Sustainability Report 2025

Technology Transforming the World



Gedik Advanced Casting Technologies

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The 2025 Sustainability Report covers the activities of Gedik Advanced Casting Technologies from January 1, 2025 to December 31, 2025.

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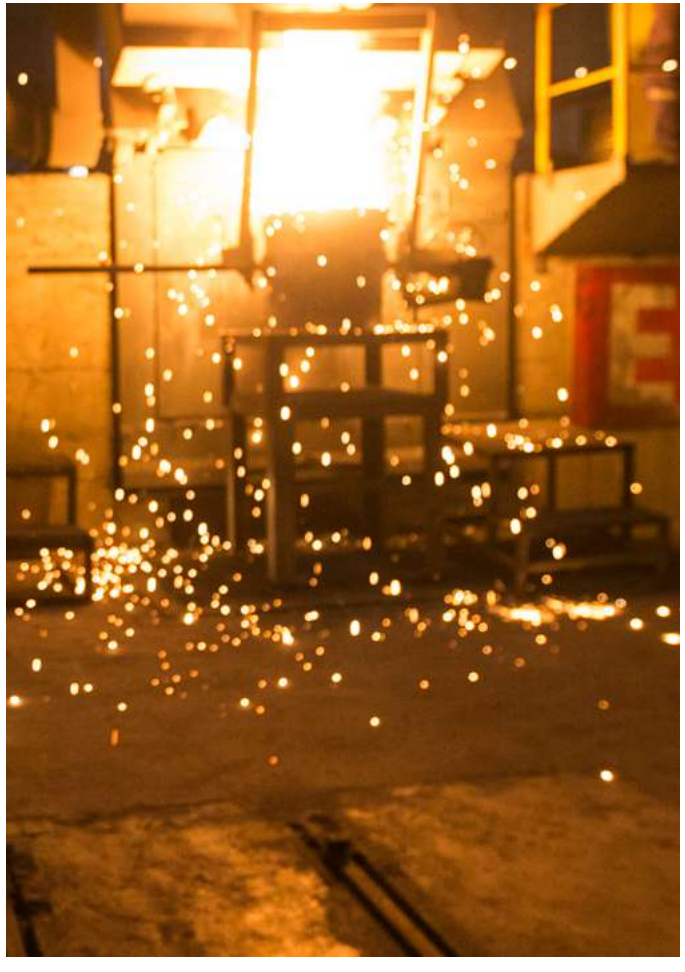
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About the Report

The 2025 Sustainability Report, prepared by Gedik Advanced Casting Technologies Industry and Trade Inc. (“Gedik Advanced Casting Technologies” or the “Company”), aims to transparently and comprehensively communicate the Company’s sustainability approach and its environmental, social and governance performance to its stakeholders.



The 2025 Sustainability Report, prepared by Gedik Advanced Casting Technologies Industry and Trade Inc. (“Gedik Advanced Casting Technologies” or the “Company”), aims to transparently and comprehensively communicate the Company’s sustainability approach and its environmental, social and governance performance to its stakeholders. Gedik Advanced Casting Technologies is an integrated casting company operating in the steel, stainless steel, ductile iron and grey cast iron sectors, with a product portfolio comprising more than fifty different casting solutions. The Company serves a wide range of sectors, primarily automotive, energy, shipbuilding, pump and valve systems, and industrial equipment, through its integrated production infrastructure encompassing casting, machining and final inspection processes, its engineering-driven approach, and its extensive manufacturing capabilities. The Company conducts its operations in line with a quality-focused production approach, Occupational Health and Safety (OHS) practices, energy and resource efficiency initiatives, environmental responsibility, technological competence and ethical business principles.

The Report covers the Company’s activities from January 1, 2025 to December 31, 2025. Within this scope, the Company’s sustainability strategy, environmental and social impacts, economic performance, risk and opportunity management practices, and performance indicators are presented. In preparing the Report, stakeholder expectations, sectoral developments and the Company’s priority topics were taken into consideration.

The Report covers Gedik Advanced Casting Technologies corporate governance practices, risk management and control mechanisms, climate change and energy management, resource use, occupational health and safety activities, equality, diversity and inclusion initiatives, employee development and training practices, community engagement activities, innovation and digital transformation initiatives, product safety and quality management, as well as practices and performance results related to supply chain management. The Report has been prepared based on the Global Reporting Initiative (GRI) Standards, with its content and disclosures structured in accordance with the relevant GRI indicators. In addition, the Company’s activities have been assessed in relation to the United Nations Sustainable Development Goals (SDGs). The reporting scope covers the operations of Gedik Advanced Casting Technologies at its headquarters in Pendik, Istanbul, and its production plants in Hendek, Sakarya. The data presented in the Report were obtained from the relevant departments, while data collection, control and reporting processes were carried out by the Company’s respective teams.

CONTACT

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Senior Management Messages

Our sustainability approach, corporate governance framework and strategic priorities are among the key elements shaping our operational decisions. In this section, we present our senior management's assessments regarding sustainable growth, operational excellence, digital transformation, resource efficiency and the creation of long-term value for stakeholders.



Gedik Advanced Casting Technologies

Message from the Chair of the Board

While the commissioning of our renewable energy investments has significantly improved our energy performance, our energy efficiency projects have further enhanced our resource efficiency.

HÜLYA GEDİK
Chair of the Board
Gedik Holding



Message from the Chair of the Board

Gedik Advanced Casting Technologies places sustainable production at the core of its operations while developing high value-added solutions for the automotive, strategic sectors and specialized industries, supported by its advanced engineering capabilities, integrated production infrastructure and manufacturing approach based on international quality standards.

Dear Stakeholders,

We are operating in a new era in which competition in industry is shaped by technology, quality, resource efficiency and sustainability performance.

Climate change, resource constraints, evolving customer expectations and global trade dynamics are reshaping the way industrial organizations operate, making long-term, sustainable growth more critical than ever.

As Gedik Holding, we regard sustainability as an integral part of our corporate governance approach across all the companies in which we operate.

In this context, Gedik Advanced Casting Technologies places sustainable production at the core of its operations while developing high value-added solutions required by strategic sectors, supported by its advanced engineering capabilities, integrated production infrastructure and manufacturing approach based on international quality standards. Quality, reliability and traceability are among our key priorities in our manufacturing activities for sectors requiring high precision, including the defense industry, automotive, energy, shipbuilding, and pump and valve systems.

With our strong engineering infrastructure and commitment to continuous improvement, we enhance our production processes while integrating our environmental and social responsibilities into all our decision-making processes.

2025 was a year in which Gedik Advanced Casting Technologies achieved significant milestones in its sustainability journey.

While the commissioning of our renewable energy investments significantly improved our energy performance, our energy efficiency projects enabled us to use resources more efficiently. At the same time, we standardized our greenhouse gas emissions in line with international standards, establishing a systematic framework for our carbon management processes; for the first time, we began comprehensively monitoring our water management and water footprint.

In line with our circular economy approach, we maintained the recovery of our waste, while further strengthening our operational efficiency through digital production systems and data-driven management practices.

We do not view sustainability as being limited to environmental performance; rather, we consider strong corporate governance, ethical business practices, the development of our employees, occupational health and safety, product quality, customer satisfaction and responsible supply chain management as complementary elements of our approach to creating long-term value.

In line with this approach, we have redefined our sustainability strategy by taking our Company's priority topics into consideration and structuring it around three key focus areas: **"Strong Corporate Infrastructure and Sustainable Governance," "Creating Value for People and Society,"** and **"Environmental Responsibility and Resource Efficiency."**

The accelerating green transition at the global level, the European Green Deal, the Carbon Border Adjustment Mechanism (CBAM) and evolving customer expectations are reshaping the way industrial organizations operate.

We view this transformation not merely as a process of ensuring compliance, but as a significant opportunity to enhance our competitiveness, foster innovation and support sustainable growth.

In the period ahead, we will continue to advance our engineering capabilities, innovative production technologies and digital transformation initiatives in line with our sustainability targets.

The report we have prepared provides a holistic overview of Gedik Advanced Casting Technologies sustainability approach, strategic priorities, and environmental, social and governance practices and performance.

I would like to thank all our colleagues, customers, suppliers, business partners and stakeholders who place their trust in us for their dedicated contributions throughout this process, and I firmly believe that together we will build a stronger, more competitive and more sustainable future.

HÜLYA GEDİK
Chair of the Board Gedik Holding

Message from the Operations Director

In the high-precision sectors in which we operate, including the defense industry, automotive, energy, shipbuilding, and pump and valve systems, the sustainability of production is made possible through effective process management, a robust quality infrastructure and a culture of continuous improvement.

ERHAN KIRIMLIKURT
Operations Director
Gedik Advanced Casting Technologies



Message from the Operations Director

In the high-precision sectors in which we operate, including the defense industry, automotive, energy, shipbuilding, and pump and valve systems, the sustainability of production is made possible through effective process management, a robust quality infrastructure and a culture of continuous improvement.

At Gedik Advanced Casting Technologies, our approach to operations management is founded on reliable production, high quality, disciplined processes and the efficient use of resources. In the high-precision sectors in which we operate, including the defense industry, automotive, energy, shipbuilding, and pump and valve systems, the sustainability of production is made possible through effective process management, a robust quality infrastructure and a culture of continuous improvement. In this context, we manage our operations through an integrated systems approach in which all aspects, from quality in production and maintenance-driven energy management to the supply chain and environmental performance, complement one another.

Our quality approach, which forms the foundation of our production processes, is supported by the ISO 9001 Quality Management System, IATF 16949 Automotive Quality Management System, ISO 14001 Environmental Management System and ISO 50001 Energy Management System standards.

Our management systems ensure that processes are carried out within a standardized framework, operational risks are effectively managed, product traceability is maintained and production is conducted in line with customer expectations.

Our approach to quality is based on a holistic framework encompassing all processes, from raw material acceptance through production and inspection to shipment.

2025 was a year in which significant practices were implemented to further strengthen our approach to operational excellence.

To enable the digital management of production processes, the ProMANAGE Smart Production Management System was commissioned, and production planning, maintenance management, quality control and shipment processes began to be managed through a real-time data infrastructure. In addition, with the implementation of the Maintenance KPI Tracking System, equipment performance is continuously monitored, maintenance activities are planned based on data, and production continuity is supported by reducing unplanned downtime.

In this context, we regard digitalization initiatives as a strategic area of development that enhances operational efficiency and strengthens decision-making processes. Resource efficiency is among the key performance indicators of our operations management. In this context, the rooftop Solar Power Plant (SPP), commissioned in 2025, marked significant progress in the use of renewable energy; operational costs and carbon emissions are managed together through initiatives aimed at reducing energy consumption. The replacement of ventilation systems with high-efficiency equipment and the implementation of time-controlled operation in the administrative building's air-conditioning systems have increased energy efficiency; these projects have directly contributed not only to our operational performance but also to our environmental performance.

We consider environmental sustainability an integral part of our operations. In this context, we regularly calculate our greenhouse gas emissions and monitor our climate performance, while measuring our water footprint to assess our impacts on water resources. In doing so, we support the recovery of resources in line with circular economy principles while also contributing to the reduction of natural resource consumption.

In waste management, we direct all our waste to recovery processes through source segregation and licensed recovery practices, in line with our Zero Waste approach.

We believe that our employees are the most important element of operational success. Developing our occupational health and safety culture, enhancing the technical knowledge and competencies of our employees, encouraging their active participation in process improvement initiatives and embedding a continuous improvement approach throughout the organization constitute the key components of our operations management approach. We believe that creating a safe, efficient and disciplined production environment is a prerequisite for sustainable success.

In the period ahead, we will continue to strengthen our production infrastructure with digital technologies, increase energy and resource efficiency, continuously improve our quality performance and expand practices aimed at reducing our environmental impacts.

I would like to thank all our colleagues, customers, suppliers and business partners who have contributed to this process, and I believe that together we will build a more efficient, stronger and more sustainable future.

ERHAN KIRIMLIKURT
Operations Director
Gedik Advanced Casting Technologies Industry and Trade Inc.

About Gedik Advanced Casting Technologies

Gedik Advanced Casting Technologies delivers high value-added casting solutions through its robust engineering infrastructure, integrated production model and management systems aligned with international standards. This section presents the Company's corporate structure, areas of operation, operational capabilities, economic performance and key developments in its sustainability journey in 2025.

Gedik Advanced Casting Technologies



Corporate Profile

Together with Gedik Thermo Valve, the plant has an integrated production structure and offers a robust operational model in which all processes, from casting and machining to final product delivery, are managed under one roof.

With its long-standing experience in the casting industry, modern production infrastructure and manufacturing approach aligned with international quality standards, Gedik Advanced Casting Technologies is one of Türkiye's leading integrated casting companies. The Company's headquarters are located in Pendik, Istanbul, while its main production plant operates on a 25,000 m² enclosed area in Hendek, Sakarya. Together with Gedik Thermo Valve, the plant has an integrated production structure and offers a robust operational model in which all processes, from casting and machining to final product delivery, are managed under one roof.

Gedik Advanced Casting Technologies manufactures products with part weights ranging from 1 kg to 2,500 kg across a broad range of materials. The Company's FBO green sand molding line and FTL Alphaset resin molding lines combine high capacity, precision manufacturing and cost efficiency, enabling the development of customized solutions tailored to the specific needs of various industries.

VISION

To create global harmony for a safe and inspiring future through our unifying strength.

MISSION

To continue our journey toward zero workplace accidents through training and collaboration, ensuring flawless operations that pose no risk to human life.

The Company serves a wide range of sectors, primarily the defense industry, automotive, shipbuilding, energy, pump and valve systems, agricultural machinery and industrial equipment. The Company has manufacturing capabilities across a diverse range of materials, including carbon steels, stainless steels, duplex stainless steels, high-chromium castings, ductile iron, grey cast iron and bronze.

Production processes are supported by advanced engineering software, while process accuracy is assured through comprehensive testing and analysis infrastructure.

Gedik Advanced Casting Technologies conducts its operations in line with its corporate governance approach, positioning the effectiveness of international management system standards and governance processes among the key elements supporting sustainability and continuous improvement. The Company strengthens its corporate capabilities in quality, environmental management, energy efficiency and operational reliability through its ISO 9001:2015 Quality Management System, ISO 14001:2015 Environmental Management System, ISO 50001 Energy Management System, IATF 16949 Automotive Quality Management System and AD 2000 W0-certified foundry approvals.



Corporate Values

Our corporate values reflect the management approach embraced across all areas of our organization and guide all business processes, from strategic decision-making to operational practices. Our value-driven approach forms the foundation of our corporate culture while supporting our sustainable growth objectives.



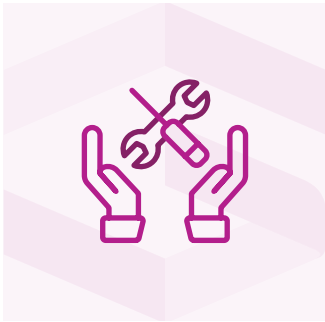
RELIABILITY

We operate with a commitment to full compliance with international standards at every stage of our products and processes, ensuring high traceability and verifiable, sustainable quality. We regard maintaining the trust of our customers and stakeholders as a fundamental principle across all our operations.



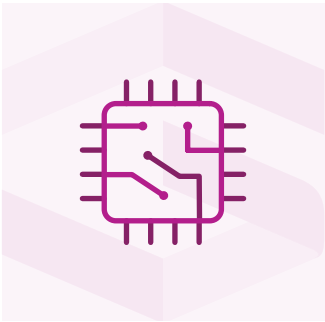
EMPLOYEE DEVELOPMENT AND OCCUPATIONAL SAFETY

Ensuring the safety, development and enhancement of our employees' competencies is among our key priorities. Through training practices that support continuous learning, we embrace a strong occupational health and safety culture as an integral part of all our activities.



ENGINEERING EXCELLENCE

By combining our advanced simulation, testing and analysis capabilities with our robust engineering infrastructure, we develop solutions that make a difference in our industry. Through our innovative approach, we continuously advance our technical excellence and operational efficiency.



TECHNOLOGICAL INNOVATION

Through continuous investments in digitalization, automation and modern casting technologies, we enhance our production processes and implement innovative practices that lead the transformation of the industry.



SUSTAINABILITY AND ENVIRONMENTAL RESPONSIBILITY

We continuously improve our production processes with a focus on increasing energy efficiency, reducing emissions and using resources effectively. We regard minimizing our environmental impacts and fulfilling our responsibilities toward future generations as an integral part of our corporate approach.



CUSTOMER FOCUS

By understanding the needs and expectations of different industries, we deliver reliable, high-performance and value-creating solutions. We regard building long-term business relationships and maintaining customer satisfaction as key indicators of sustainable success.

Products, Services and Operational Capabilities

Gedik Advanced Casting Technologies has manufacturing capabilities across a diverse range of material groups, primarily carbon steels, low-alloy steels, stainless and duplex stainless steels, ductile and grey cast iron, and bronze alloys.

With its expertise in sand casting and precision casting technologies, Gedik Advanced Casting Technologies manufactures a broad range of products tailored to the needs of various industries. The Company has manufacturing capabilities across a diverse range of material groups, primarily carbon steels, low-alloy steels, stainless and duplex stainless steels, ductile and grey cast iron, and bronze alloys.

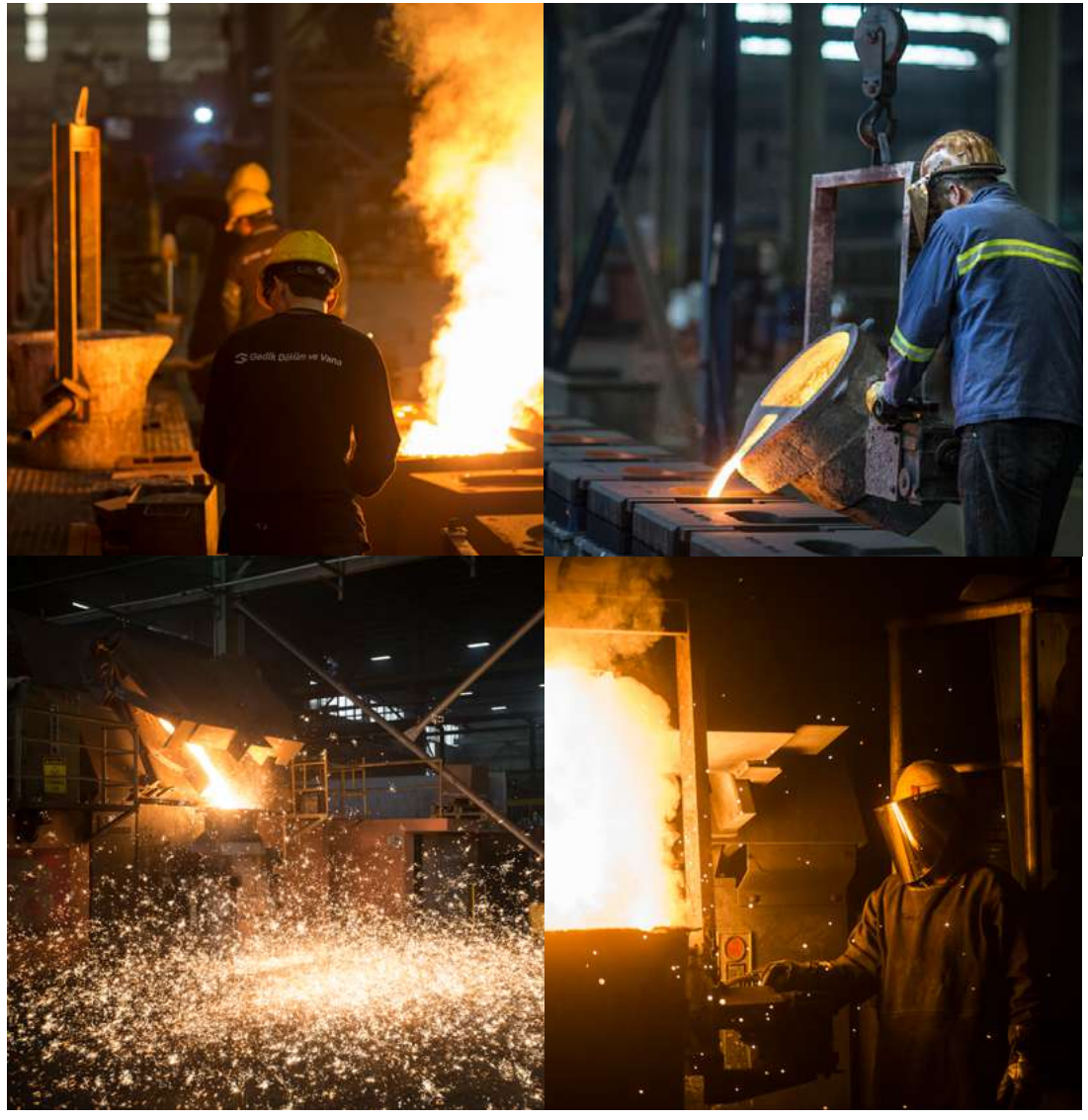
Production activities are carried out using FBO green sand molding, FTL Alphaset resin molding and precision casting processes. This infrastructure enables production across a broad range, from small and medium-sized components to high-weight products with complex geometries. Customized solutions are developed for a wide range of industries, primarily the defense industry, automotive, energy, pump and valve systems, shipbuilding, agricultural machinery and general machinery manufacturing.

Supported by a robust engineering infrastructure, the Company manages all processes through an integrated approach, from the design stage through to final product validation.

Through simulation and analysis software used in production processes, product performance can be evaluated as early as the design stage, enhancing process efficiency and quality assurance. Quality control activities are supported by chemical analyses, mechanical testing, metallographic examinations and non-destructive testing methods, including ultrasonic testing, magnetic particle testing and liquid penetrant testing.

In addition to its casting operations, Gedik Advanced Casting Technologies operates with an integrated service approach encompassing heat treatment, surface treatment, machining, quality verification and shipment processes.

By providing customers with end-to-end solutions, the Company contributes to the sustainable management of quality, traceability and operational efficiency throughout its production processes.



Economic Performance

Through its expertise in casting technologies and high value-added production capabilities, Gedik Advanced Casting Technologies creates economic value for its customers, employees, suppliers and the regions in which it operates.

Gedik Advanced Casting Technologies evaluates its economic performance in line with the principles of sustainable growth, operational efficiency, effective resource utilization and long-term value creation. Through its expertise in casting technologies and high value-added production capabilities, the Company creates economic value for its customers, employees, suppliers and the regions in which it operates.

Key factors contributing to the Company's economic performance include increasing efficiency in production processes, ensuring the effective use of raw materials and auxiliary materials, and maintaining continuity in procurement processes while balancing quality and cost.

The economic value generated by the Company is transferred to stakeholders through employee wages and benefits, supplier payments, tax obligations, investment expenditures and export activities.



The Company evaluates its financial performance together with indicators relating to production continuity, efficient resource utilization, quality performance, customer satisfaction and operational efficiency.

Continuous improvement initiatives aimed at enhancing operational efficiency, digitalization practices and efficiency-focused investments contribute to cost management and the preservation of competitiveness.

Energy costs, economic developments, changes in the supply chain and sustainability-related regulations are monitored and taken into consideration in investment and resource planning processes.

The Company aims to support sustainable growth while maintaining its financial strength and to create long-term value for its stakeholders.

34.8%

Share of export revenues in total sales revenues in 2025

Key Developments in 2025

Renewable Energy	The rooftop Solar Power Plant (SPP) was commissioned, generating 3,424,494.42 kWh of renewable electricity. Energy consumption decreased by 65.96%, resulting in approximately TRY 10.6 million in financial savings.
Energy Efficiency	Improvements to the administrative building's air-conditioning system and the ventilation systems in the production area resulted in energy savings of 401,544 kWh and approximately TRY 1.25 million in financial savings.
Climate Change	Greenhouse Gas Inventory **ISO 14064-1:2018** and **GHG Protocol** Scope 1, Scope 2 and Scope 3 emissions were calculated and reported in accordance with the relevant principles.
Water Management	Water withdrawal, water consumption, water discharge and water footprint indicators began to be monitored, enabling the systematic tracking of water management performance.
Resource Use and Circular Economy	As part of waste management practices, all waste generated was directed to recovery processes, achieving a 100% recovery rate.
Digital Transformation	**ProMANAGE Smart Production Management System, Maintenance KPI Tracking System** and **Gedik CRM** were commissioned, strengthening the digital management of production, maintenance, quality and customer relationship processes.
R&D and Innovation	As part of R&D activities conducted in collaboration with universities, **9 new products** and **9 improved products** were developed.
Supply Chain	Environmental and social criteria began to be incorporated into supplier assessment processes,**and suppliers began to be requested to provide greenhouse gas emissions data within the scope of the Carbon Border Adjustment Mechanism (CBAM).**
Economic Performance	34.8% of total sales revenues were generated from export activities, supporting the Company's competitiveness in international markets.

Corporate Governance

Our corporate governance approach is built on the principles of transparency, accountability, an ethical business culture and effective risk management. This section presents the key approaches to the Company's governance structure, ethical management practices, and risk and opportunity management.



Gedik Advanced Casting Technologies

Corporate Governance Structure

Gedik Advanced Casting Technologies governance model is structured around the principles of transparency, accountability, ethical conduct, risk-based management and sustainability, and supports the management of all operational processes with a long-term value creation approach.



Gedik Advanced Casting Technologies conducts its operations in line with Gedik Holding's corporate governance approach and strategic direction.

The Company's governance model is structured around the principles of transparency, accountability, ethical conduct, risk-based management and sustainability, and supports the management of all operational processes with a long-term value creation approach.

While strategic decision-making processes within the governance structure are carried out at the Holding level, production and technical operations are managed through structures tailored specifically to the Company.

The Company's highest governing body is the Board of Directors. The Board of Directors is responsible for determining the Company's strategy, monitoring financial and operational performance, directing the sustainability approach, assessing risks and overseeing corporate governance practices. The corporate governance structure is built on a management system that ensures the strategic priorities defined by the Board of Directors are effectively translated into operational processes. Decisions made at the Board of Directors level are implemented through operations management and functional units, while performance, risks and sustainability targets are monitored and evaluated.

Within Gedik Holding's organizational structure, human resources, finance, information technologies, legal affairs, internal audit and international sales functions operate under a centralized management model.

The Human Resources Directorate within the Holding is responsible for organizational development, employee processes, talent management and administrative processes.

The Information Technologies Directorate manages ERP/SAP systems, digital transformation projects and data management processes. The Legal function oversees contract management and regulatory compliance processes, while the Internal Audit Directorate assesses the effectiveness of the Company's internal control mechanisms.

The Company's organizational structure comprises functions including quality, procurement, production, planning, maintenance and repair, environment, occupational health and safety, logistics, ERP systems, R&D and continuous improvement.

Operational activities are coordinated by the Operations Directorate, ensuring the effective management of performance, risk and compliance processes within the respective areas of responsibility of the relevant functional managers.

Board Structure and Competencies

The Board of Directors is responsible for determining the Company's long-term strategic direction, supporting its sustainable growth approach, monitoring operational and financial performance, and assessing corporate risks.





HÜLYA GEDİK
CHAIR OF THE BOARD

Hülya GEDİK has served as Chair of the Board of Gedik Holding since 2007. With her experience in sales, marketing and export activities, she has made a significant contribution to strengthening the Gedik brand in international markets. Gedik Holding's export network, which today extends to more than 100 countries, its production operations in Azerbaijan and its growth initiatives focused on India support the Board of Directors vision for global growth.

Hülya GEDİK also serves as Chair of the Board of Trustees of Istanbul Gedik University. In this role, she contributes to the development of industry-academia collaboration, the advancement of qualified human resources and the strengthening of the sustainable development approach. She also plays active roles in international platforms such as the European Welding Association (EWA), European Welding Federation (EWF), International Institute of Welding (IIW) and Foreign Economic Relations Board (DEİK).



ERKAN AKTEN
VICE CHAIR OF THE BOARD

Within Gedik Holding's organizational structure, the Vice Chair of the Board is regarded as a role that supports strategic coordination at the senior management level.

Erkan AKTEN contributes to the effectiveness of governance mechanisms, the monitoring of corporate performance, the enhancement of organizational coordination and the advancement of sustainable growth objectives.

The knowledge and experience of the Board of Directors span areas including international trade, exports, industrial manufacturing, corporate governance, industry-academia collaboration and stakeholder relations, contributing to the monitoring of developments in the sectors in which the Company operates and supporting its long-term corporate objectives.

Business Ethics and Corporate Governance

Employees are not permitted to provide or accept any benefit or advantage that could influence decision-making processes in their relationships with customers, suppliers, public institutions or other stakeholders.

Gedik Advanced Casting Technologies conducts its operations in accordance with the principles of integrity, transparency, accountability and legal compliance. The Company's ethical management approach aims to foster a responsible and sustainable business culture based on trust in its relationships with employees, customers, suppliers, business partners and all other stakeholders.



Within the scope of its business ethics approach, the following fundamental corporate principles are upheld:

- Full compliance with national and international legislation
- Prevention of conflicts of interest
- Acting in accordance with fair competition principles
- Adopting a zero-tolerance approach to bribery and corruption
- Protection of confidential information, personal data and intellectual property rights
- Supporting a respectful working environment that upholds human rights and employee rights

The Company's ethical approach is defined through its "Corporate Ethics Policy." Under this policy, all employees are expected to act in accordance with applicable legislation, Company procedures and ethical rules.

Ethical principles are regarded not merely as a set of written rules, but as an integral part of managerial decisions, operational processes and business relationships.

Employees are expected to perform their duties with integrity, impartiality and responsibility, while managers are responsible for promoting and implementing an ethical culture.

In accordance with the Corporate Ethics Policy, all forms of bribery, improper payments, undue benefits and unethical practices are prohibited.

Employees are not permitted to provide or accept any benefit or advantage that could influence decision-making processes in their relationships with customers, suppliers, public institutions or other stakeholders.

The Company maintains its commitment to fair competition principles and conducts its activities in compliance with competition legislation.

As part of its corporate governance approach, the Company's policies and procedures are reviewed regularly with the aim of assessing operational risks, strengthening internal control mechanisms and effectively managing legal compliance processes.

Within this framework, centralized management functions such as internal audit, legal affairs, human resources and information technologies operate within Gedik Holding's organizational structure.

Protecting human rights and employee rights is among the Company's fundamental areas of responsibility.

Child labor and forced labor practices are not tolerated; freedom of association, trade union membership and related legal rights are respected.

The principle of equal opportunity is upheld in recruitment, career development, training and remuneration processes, and a zero-tolerance approach is adopted toward practices such as discrimination, harassment and intimidation.

Processes for reporting and assessing ethical issues are managed by the Ethics Committee established under the Corporate Ethics Policy.
The Ethics Committee is responsible for evaluating reports concerning alleged violations of ethical rules and conducting the necessary reviews.

The Ethics Committee operates under the authority of the Chair of the Board of Directors. In cases where employees violate the business ethics rules or Company policies and procedures, the relevant disciplinary processes are applied.

Protecting information security and data confidentiality is among the key elements of the Company's ethical management approach. The Company and its employees are responsible for maintaining the confidentiality of corporate information, customer data and information belonging to third parties obtained in the course of their activities. Practices aimed at protecting commercially sensitive information and ensuring data security constitute an important part of business processes.

Gedik Advanced Casting Technologies aims to ensure that ethical principles are embraced throughout its supply chain as well as within its own operations. Suppliers and business partners are also expected to act in accordance with the Company's ethical values, business principles and Corporate Ethics Policy.

Risk Management and Control Mechanisms

Gedik Advanced Casting Technologies risk management approach aims to proactively identify, assess and control risks that may arise in areas such as production, quality, environment, occupational health and safety, legal compliance, customer expectations and process performance.

Gedik Advanced Casting Technologies considers risk management one of the fundamental elements of its corporate governance structure and operational continuity. The Company's risk management approach aims to proactively identify, assess and control risks that may arise in areas such as production, quality, environment, occupational health and safety, legal compliance, customer expectations and process performance.

Risk management activities within the Company are carried out in accordance with the "Risk Assessment Procedure." The procedure defines methods for identifying and assessing risks and potential risks that may arise across all processes, and for planning the necessary measures and actions. Risk assessment activities also contribute to identifying potential opportunities for improvement and development.

The process of identifying risks takes into consideration matters addressed at Management Review (MR) meetings, process performance indicators, target achievement levels, field audits and findings obtained from operational activities.

Necessary actions are defined for significant matters identified as risks, and improvement initiatives are planned within the relevant processes. The risk assessment process also takes into account legal requirements, applicable standards, technological capabilities, financial and operational needs, and the expectations of relevant stakeholders.

Risk assessment activities are carried out with the participation of experienced and expert employees from different departments.

Each department records the risks and opportunities related to its own area of activity in the relevant record systems, while process-based analyses are conducted with the participation of department managers. The Company uses a probability- and impact-based assessment method to prioritize risks. Risks are scored by considering the likelihood of occurrence and the severity of their potential impact and are classified based on the results obtained. For matters identified as high and very high risk as a result of the assessment, risk mitigation activities are planned, and corrective and preventive actions are implemented where necessary.



Risk assessment results are reviewed at the relevant management levels and submitted for the approval of the Plant Manager.

Responsible persons and target completion dates are defined for the identified actions, and the effectiveness of implementation is monitored at Management Review (MR) meetings.

Risk mitigation activities are documented, and the improvement of process performance is supported through continuous improvement initiatives.

Risks are scored by considering the likelihood of occurrence and the severity of their potential impact, and are classified based on the results obtained.

RISKS AND OPPORTUNITIES

Gedik Advanced Casting Technologies assesses risks and opportunities that may affect its operations within the scope of its corporate risk management approach. Risk assessments are conducted with due consideration to financial, environmental, social and governance dimensions, while developments that may impact the Company's operations are regularly monitored.

Risk and opportunity analyses take into consideration production processes, energy use, raw material supply, legal regulations, customer expectations, climate change impacts, workforce management and corporate governance practices. The assessment results also contribute to identifying actions to be taken in the relevant processes and prioritizing resources.

Due to the energy-intensive nature of the casting industry, energy costs, energy supply security, fluctuations in raw material prices and developments in environmental regulations are among the key areas of assessment for the Company. In particular, evolving regulations within the scope of the European Green Deal and the Carbon Border Adjustment Mechanism (CBAM) create new obligations and compliance requirements for industrial companies engaged in export activities.

At the same time, energy efficiency practices, renewable energy investments, digitalization initiatives, resource efficiency projects and low-carbon production practices present significant opportunities for the Company.

Financial Risks and Opportunities	**Risks** • Exchange Rate Fluctuations • Increases in Raw Material Costs • Rising Energy Costs • Global Supply Chain Pressures	**Management Approach** • Long-Term Supply Agreements • Energy Efficiency Projects • Investment and Digitalization Initiatives • Diversification of Export Markets
Physical and Transition Risks Related to Climate Change	**Physical Risks** • Extreme Weather Events • Disruptions in Energy Supply • Increasing Energy Demand for Cooling Systems **Transition Risks** • Carbon Regulations (CBAM) • Carbon Costs • Investments in Compliance with Green Production Standards **Opportunities** • Low-Carbon Production Technologies • Renewable Energy Investments • Cost Advantages Through Energy Efficiency • Growing Demand for Green Products	**Management Approach** • Energy Management and Efficiency Projects • Renewable Energy Investments • Monitoring and Reduction of Carbon Emissions • CBAM Compliance Initiatives • Business Continuity Plans for Climate-Related Risks
Social Risks	**Risks** • Employee Engagement and Talent Management Risks • Expectations for Increasing Female Employment • Corporate Social Responsibility Expectations	**Management Approach** • Training and Development Programs • Leadership Development Initiatives • Inclusion and Equal Opportunity Initiatives
Governance Risks	**Risks** • Ethical Violations • Corruption and Misconduct Risks • Information Security and Cybersecurity Risks	**Management Approach** • Implementation of the Code of Ethics and Principles of Conduct • Confidential Reporting and Whistleblowing Mechanisms • ISO 27001 Information Security Management System Practices • Regular Internal Audits and Compliance Controls

Sustainability Approach

Sustainability is a strategic management approach that supports our corporate resilience, operational excellence and competitiveness. This section presents our sustainability strategy, governance model, stakeholder engagement and dialogue mechanisms, priority topics and sustainable growth targets.

Gedik Advanced Casting Technologies



Sustainability Strategy

Gedik Advanced Casting Technologies sustainability approach is based on the effective management of the economic, environmental and social impacts arising from its operations, consideration of stakeholder expectations and integration of a responsible production approach into its processes.

Gedik Advanced Casting Technologies considers sustainability one of the key elements of corporate resilience, operational continuity, competitive advantage and long-term value creation. The Company's sustainability approach is based on the effective management of the economic, environmental and social impacts arising from its operations, consideration of stakeholder expectations and integration of a responsible production approach into its processes. As part of the materiality analysis renewed in 2025, the views of employees, customers, suppliers, business partners and industry representatives were assessed, and the economic, environmental and social impacts of the Company's operations were analyzed.

Gedik Advanced Casting Technologies sustainability strategy is structured around three key focus areas—"Strong Corporate Infrastructure and Sustainable Governance," "Creating Value for People and Society," and "Environmental Responsibility and Resource Efficiency"—in line with the objectives of effectively managing the environmental, social and governance dimensions of its operations, strengthening operational resilience and creating long-term value. By integrating these focus areas into its business processes, the Company aims to support sustainable growth, ensure alignment with stakeholder expectations and advance its responsible production approach.



Sustainability Governance Structure

The Sustainability Committee is responsible for monitoring the implementation of the sustainability strategy, assessing material topics, reviewing action plans and tracking sustainability performance.

Sustainability is one of the Company's key management approaches supporting long-term value creation. The sustainability governance structure encompasses key processes for identifying material topics, setting targets, monitoring performance, and assessing sustainability-related risks and opportunities.

Sustainability activities are directed by the Sustainability Committee, which operates under the oversight of the Board of Directors. The Committee is responsible for monitoring the implementation of the sustainability strategy, assessing material topics, reviewing action plans and tracking sustainability performance.

The coordination of Committee activities is carried out by the Sustainability Leader. The Sustainability Leader ensures coordination among the relevant functions, monitors the progress of sustainability initiatives and regularly presents the results obtained from working groups to the Committee's agenda.

The results of the materiality analysis are integrated into sustainability governance processes. Material topics are incorporated into the Company's decision-making processes by linking them with the sustainability strategy, risk management practices and performance monitoring mechanisms.

COMMITTEE STRUCTURE AND SUB-WORKING GROUPS

The Sustainability Committee carries out its activities through four sub-working groups.

SUSTAINABLE PRODUCT INITIATIVES

Covers R&D, innovation, product quality, eco-design practices and sustainable product development activities.

ENVIRONMENTAL MANAGEMENT INITIATIVES

Covers activities related to raw material efficiency, water management, waste management, emissions reduction, circular economy practices and natural resource use.

ENERGY MANAGEMENT INITIATIVES

Covers activities related to energy efficiency, improvement of energy performance, carbon management and renewable energy practices.

SOCIAL VALUE INITIATIVES

Covers occupational health and safety, employee development, talent management, employee experience and community engagement activities.

Performance indicators, risks, opportunities and areas for improvement related to the activities carried out by the working groups are assessed, and the results are reported to the Sustainability Committee through the Sustainability Leader. Priorities and areas for improvement identified through the Committee's assessments are shared with senior management, and the relevant actions are monitored.

Stakeholder Engagement and Dialogue Mechanisms

Our stakeholder engagement approach is guided by the principles of transparency, accessibility, mutual trust and continuous improvement.

Gedik Advanced Casting Technologies takes stakeholder views and expectations into consideration in managing the economic, environmental and social impacts arising from its operations. In this context, regular communication and engagement processes are maintained with employees, customers, suppliers, public institutions, financial institutions, educational institutions, industry representatives, local communities and civil society organizations. Our stakeholder engagement approach is guided by the principles of transparency, accessibility, mutual trust and continuous improvement. Feedback received from stakeholders is taken into consideration in efforts to improve product and service quality, enhance operational processes, assess risks and opportunities, increase employee engagement and satisfaction, and improve sustainability performance. Gedik Advanced Casting Technologies maintains engagement with its stakeholders through various communication and participation mechanisms.

STAKEHOLDER GROUPS

Employees	Training programs, internal communication practices, performance evaluation processes, employee feedback mechanisms, occupational health and safety committees and meetings
Customers	Customer visits, technical meetings, quality assessments, customer satisfaction initiatives, audits and support processes
Suppliers	Supplier assessment processes, audits, meetings, technical discussions and collaboration activities
Public Institutions and Regulatory Authorities	Regulatory compliance processes, official notifications, audits, permitting processes and sectoral consultation mechanisms
Industry Organizations and Professional Associations	Industry platforms, professional associations, technical committees, trade fairs and industry events
Educational Institutions and Academic Stakeholders	University-industry collaborations, R&D activities, internship programs and technical training activities
Financial Stakeholders	Meetings, reporting and assessment processes conducted with banks, financial institutions and insurance companies
Local Communities and Civil Society Organizations	Social responsibility initiatives, local stakeholder meetings, community engagement activities and institutional communication initiatives

Feedback received from stakeholders is evaluated by the relevant departments, and matters requiring action are incorporated into action plans and monitored within the relevant processes.

SECTOR REPRESENTATION AND STAKEHOLDER ENGAGEMENT

Throughout 2025, Gedik Advanced Casting Technologies closely monitored sectoral developments through its engagement with customers, industry representatives, defense industry organizations, academic institutions and international stakeholders, while strengthening collaborations and developing relationships that support its sustainable growth objectives.



International Collaboration with EBRO Armaturen

In 2025, a new model of collaboration was initiated with Germany-based EBRO Armaturen Gebr. Bröer GmbH, and sample casting processes were carried out in accordance with the planned schedule. Throughout the process, technical assessments were conducted in line with customer expectations and production preparations were completed.



Collaboration with Defense Industry Stakeholders

During a plant visit conducted by STM, a defense industry organization, existing projects were reviewed, new collaboration opportunities were explored and technical assessments of production processes were carried out. During the meetings, assessments focused on quality, production capabilities and project requirements, while discussions were held on strengthening the Company's position within the defense industry supply chain.



Strengthened Relations with the Automotive Sector

As part of the Company's engagement with stakeholders operating in the automotive sector, technical assessment meetings were held with BMC Otomotiv, Birinci Otomotiv, MAPA Otomotiv and other industry representatives. During these meetings, project opportunities for cast components, quality expectations, cost analyses and sample development processes were discussed. In addition, discussions with BMC Otomotiv continued to explore potential collaborations and new project opportunities.

SECTOR REPRESENTATION AND STAKEHOLDER ENGAGEMENT

Throughout 2025, Gedik Advanced Casting Technologies closely monitored sectoral developments through its engagement with customers, industry representatives, defense industry organizations, academic institutions and international stakeholders, while strengthening collaborations and developing relationships that support its sustainable growth objectives.



New Business Development and Customer Engagement

Throughout 2025, numerous technical meetings and site visits were conducted to acquire new customers and strengthen relationships with existing customers. In this context, a confidentiality agreement was signed with Teknotrans and project preparation processes were initiated. Discussions were also held with Jantsa, Doğuş Vana, Mavi Aşınmaz, Polat, Üstünel Pompa, Tayfur Su Sistemleri, Kaya Safety and representatives from various sectors regarding new project opportunities. As a result of these engagements, sample studies were initiated, cost analyses were conducted and long-term collaboration opportunities were evaluated.

Throughout the year, numerous site visits, technical meetings and project assessment activities were conducted to understand stakeholder expectations, assess technical requirements, develop new project opportunities and strengthen long-term business partnerships.



Engagement with Academia and Young Talent

To support university-industry collaboration, students from Istanbul Gedik University were hosted at the production plants. Through technical site visits, students were provided with insights into casting technologies and production processes, while raising awareness of the competencies required by the industry.



Sectoral Knowledge Sharing and Collaborative Development Platforms

Gedik Advanced Casting Technologies brought together industry representatives, customers and business partners at the “Industry Agenda with Gedik” events organized within Gedik Holding. During these events, current developments in casting technologies, production processes, Industry 4.0 applications, artificial intelligence, aviation and international trade, as well as the transformation of industry, were shared with stakeholders.

Memberships and Collaborations

Gedik Advanced Casting Technologies maintains relationships with institutions and organizations to enhance technical knowledge sharing, strengthen sectoral collaborations, increase export capacity, promote innovative practices in industry and support a sustainable production approach.

Gedik Advanced Casting Technologies actively participates in national industry organizations, business associations and export-oriented platforms to support sustainable growth in the casting, defense, automotive, valve and industrial manufacturing sectors in which it operates, closely monitor sectoral developments and create long-term value together with its stakeholders.

The Company maintains relationships with institutions and organizations to enhance technical knowledge sharing, strengthen sectoral collaborations, increase export capacity, promote innovative practices in industry and support a sustainable production approach.



The principal organizations of which Gedik Advanced Casting Technologies was a member during the reporting period are listed below.

- Turkish Foundry Association (TÜDÖKSAD)
- Defence and Aerospace Industry Manufacturers Association (SASAD)
- Istanbul Chamber of Commerce (ITO)
- Sakarya Chamber of Commerce and Industry (SATSO)
- Istanbul Ferrous and Non-Ferrous Metals Exporters' Association (IDDMIB)

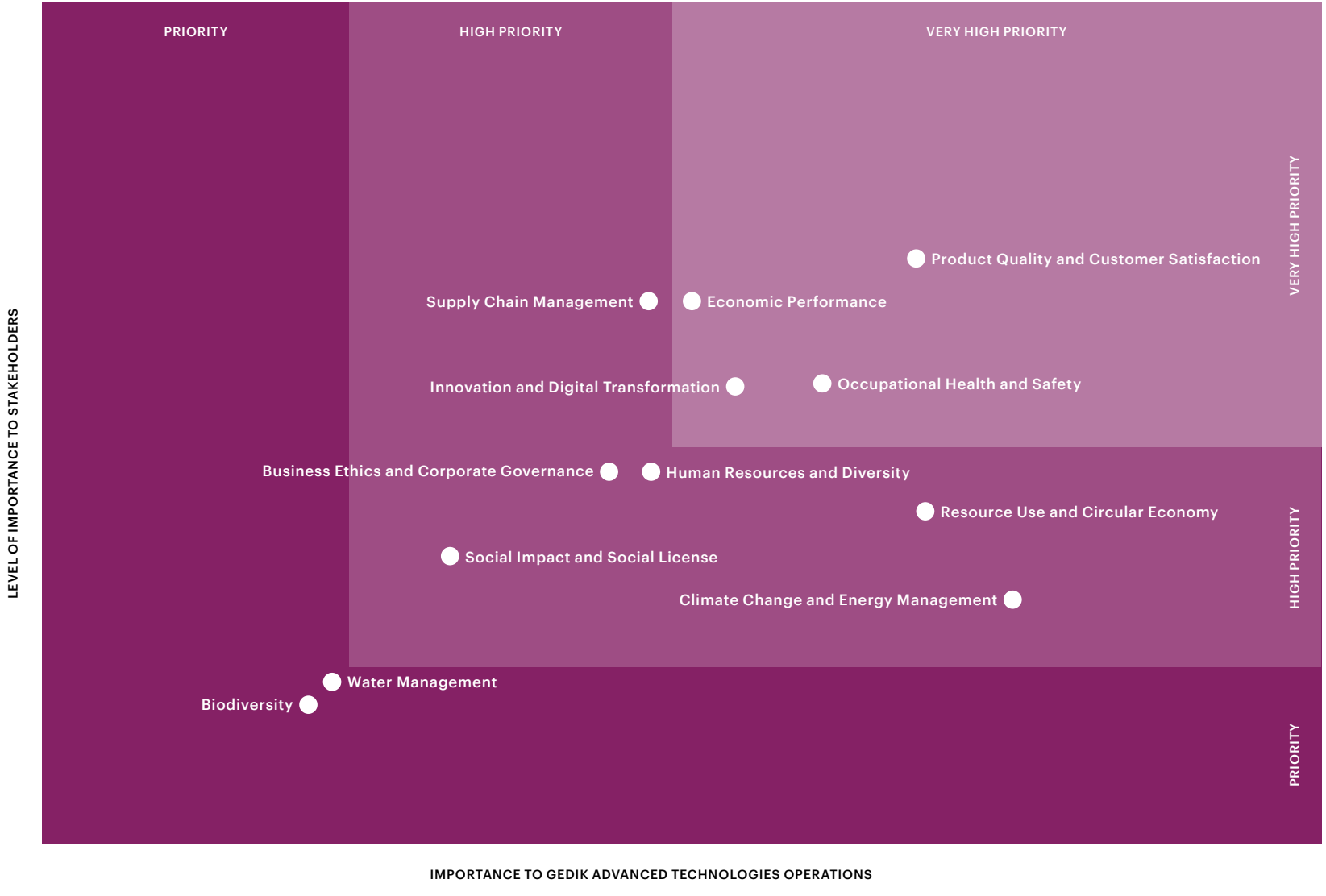
Materiality Analysis

The analysis results are used as a key input in shaping the Company's sustainability strategy, targets and performance management activities.

Gedik Advanced Casting Technologies reassessed its sustainability priorities in 2025 in line with current stakeholder expectations, its business strategy, and the economic, environmental and social impacts of its operations.

In this context, stakeholder engagement survey activities were conducted with internal stakeholders comprising employees and managers, as well as external stakeholders including customers, suppliers, service providers and university–research institutions; the views and feedback obtained were taken into consideration in determining the Company's sustainability priorities.

The Materiality Matrix developed based on the assessments conducted classifies sustainability topics according to their significance for Gedik Advanced Casting Technologies operations and the level of importance assigned by stakeholders. The analysis results are used as a key input in shaping the Company's sustainability strategy, targets and performance management activities.



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Innovation and Digital Transformation

TARGETS

Increasing operational efficiency through process improvements, automation investments (FTL line, automatic runner separation system, etc.) and advanced quality control practices; reducing scrap rates, rework activities and resource consumption

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Innovation and Digital Transformation

TARGETS

Establishing an R&D center, completing new product designs and cost optimization, and systematically implementing projects aimed at increasing efficiency through lightweighting

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Innovation and Digital Transformation

TARGETS

Strengthening the sustainable product portfolio by increasing energy efficiency in casting lines, expanding closed-loop material management practices, and increasing the use of recycled and low-carbon alloys

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Innovation and Digital Transformation

TARGETS

Expanding the use of Environmental Product Declarations (EPDs) and similar life cycle transparency practices for casting products and enhancing the verifiability of sustainability performance

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short/Medium/Long Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Innovation and Digital Transformation

TARGETS

Expanding the use of digital platforms to enhance accessibility to order management, production tracking and after-sales support processes

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Innovation and Digital Transformation

TARGETS

Implementing and ensuring the effective use of the ProMANAGE system to monitor OEE (Overall Equipment Effectiveness) in order to track and improve production performance

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Innovation and Digital Transformation

TARGETS

Integrating digital feedback and action modules into the QDMS (Quality Document Management System) infrastructure to effectively monitor and manage customer complaints and suggestions

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short Term

RELEVANT SDG



MATERIAL TOPIC
Social Impact and Social License

TARGETS

Expanding shift-based workshops, information sessions and on-site awareness programs to increase participation in diversity and inclusion practices

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Social Impact and Social License

TARGETS

Strengthening regional employment opportunities, technical training opportunities and vocational development infrastructure for the casting industry through local development initiatives

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Social Impact and Social License

TARGETS

Strengthening supply chain performance, regional added value and a sustainable supply chain structure by increasing the share of procurement from local suppliers

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Social Impact and Social License

TARGETS

Increasing the social investment budget for projects focused on vocational training, occupational health and safety, youth employment and social benefit

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Social Impact and Social License

TARGETS

Enhancing the technical capabilities of local suppliers in quality assurance, technical testing, process management and certification; supporting origin-based certification and traceability practices

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Social Impact and Social License

TARGETS

Preparing emergency response plans for casting and valve manufacturing operations and strengthening organizational response capacity through regular drills and training

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Social Impact and Social License

TARGETS

Assessing non-financial risks in accordance with international standards to strengthen operational resilience

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Biodiversity

TARGETS

Maintaining full compliance with environmental legislation across all plants through emissions monitoring, waste management and regular internal audits, and preventing environmental non-compliance

MATERIALITY LEVEL
Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Biodiversity

TARGETS

Strengthening environmental awareness by increasing chemical management training hours for furnace operations, maintenance activities and production processes

MATERIALITY LEVEL
Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Biodiversity

TARGETS

Increasing investments in energy efficiency, wastewater treatment, recovery and filtration within the scope of the Environmental Management System; continuously improving energy, water and emissions performance

MATERIALITY LEVEL
Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Biodiversity

TARGETS

Supporting biodiversity at production sites through landscaping practices using native species and activities aimed at conserving natural habitats in rural areas

MATERIALITY LEVEL
Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Biodiversity

TARGETS

Controlling particulate emissions at source in molding, sand preparation and machining operations; reducing emissions by improving bag filters, local exhaust ventilation systems and maintenance practices

MATERIALITY LEVEL
Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Occupational Health and Safety

TARGETS

Strengthening the occupational health and safety culture to reduce workplace accidents in casting and assembly operations; institutionalizing incident reporting systems and shift-based safety practices

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Occupational Health and Safety

TARGETS

Reducing lost-time workplace accident frequency rates through targeted training, maintenance activities and work permit system practices, and ensuring full compliance of all personnel with OHS procedures

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Occupational Health and Safety

TARGETS

Reducing exposure to metal fumes, dust, heat and noise through engineering controls; minimizing occupational disease risks and maintaining ergonomic working conditions

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Occupational Health and Safety

TARGETS

Increasing occupational health and safety training hours per employee and expanding practical OHS modules through structured training programs

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Occupational Health and Safety

TARGETS

Strengthening the ISO 45001-compliant Occupational Health and Safety Management System by enhancing the effectiveness of risk assessments, incident monitoring and periodic health surveillance

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Occupational Health and Safety

TARGETS

Improving air quality and employee safety by enhancing ventilation systems in sandblasting lines and implementing engineering controls in critical work areas

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Product Quality and Customer Satisfaction

TARGETS

Improving product quality, enhancing PPM (Parts Per Million) performance for automotive customers, increasing on-time delivery performance and strengthening technical support processes to improve customer satisfaction

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Product Quality and Customer Satisfaction

TARGETS

Reducing PPM levels in production processes in line with the zero-defect target and strengthening customer confidence in automotive operations

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Product Quality and Customer Satisfaction

TARGETS

Enhancing process reliability, strengthening traceability infrastructure and ensuring systematic compliance with quality management system requirements

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Product Quality and Customer Satisfaction

TARGETS

Regularly assessing and improving supplier performance to reduce quality deviations and delivery delays in critical supply processes

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Product Quality and Customer Satisfaction

TARGETS

Expanding the use of low-environmental-impact alloys, recycled metals and responsible sourcing practices in production processes

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Product Quality and Customer Satisfaction

TARGETS

Ensuring compliance with sustainability certification requirements for casting products and enhancing competitiveness in international markets

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Product Quality and Customer Satisfaction

TARGETS

Developing transparent and reliable reporting practices for product performance, sustainability indicators and technical specifications

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short/Medium/Long Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Product Quality and Customer Satisfaction

TARGETS

Conducting awareness initiatives on recycling, material segregation and low-impact production practices

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Climate Change and Energy Management

TARGETS

Gradually reducing carbon emission intensity by increasing energy efficiency in melting and heat treatment furnaces

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Climate Change and Energy Management

TARGETS

Reducing energy consumption through insulation improvements, optimization of idle times and the use of energy-efficient auxiliary equipment

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Climate Change and Energy Management

TARGETS

Reducing unit energy consumption through waste heat recovery practices and advanced process control systems

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Climate Change and Energy Management

TARGETS
Increasing the use of electricity sourced from renewable energy to reduce fossil fuel-based energy consumption

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Climate Change and Energy Management

TARGETS
Increasing renewable energy generation through the effective utilization of rooftop solar power plant capacity

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Climate Change and Energy Management

TARGETS
Reducing the carbon footprint of products by increasing the use of low-carbon alloys and recycled metals

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Climate Change and Energy Management

TARGETS
Reducing carbon emissions per unit of production and per production area by improving process energy efficiency

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Climate Change and Energy Management

TARGETS

Improving emissions performance through combustion control, fuel optimization and air pollution reduction technologies

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Climate Change and Energy Management

TARGETS

Reducing process-related energy consumption through the effective use of energy management systems and digital performance monitoring tools (e.g., OEE, ProMANAGE)

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Climate Change and Energy Management

TARGETS

Maintaining full compliance with environmental legislation and preventing non-compliance through regular risk assessments and improvement activities

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Resource Use and Circular Economy

TARGETS

Strengthening material circularity and resource efficiency in production processes by increasing the use of recycled metals and alloys

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Resource Use and Circular Economy

TARGETS

Ensuring full compliance with REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals) requirements through the use of certified and safe chemicals; reducing environmental and occupational health and safety risks

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Resource Use and Circular Economy

TARGETS

Reducing chemical consumption by expanding sand reclamation, binder optimization and closed-loop waste management practices

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Resource Use and Circular Economy

TARGETS

Utilizing public incentives for new equipment investments to optimize raw material costs and support capacity expansion

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Resource Use and Circular Economy

TARGETS

Increasing investments in sand and binder reclamation systems to reduce casting waste and enhance material circularity

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Resource Use and Circular Economy

TARGETS

Improving recovery performance for casting waste such as green sand, resin-bonded sand, coated sand, metal chips and slag; developing plant-specific approaches for the management of particulate matter and wastewater by-products

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Resource Use and Circular Economy

TARGETS

Reducing the use of plastic packaging in production and logistics processes, increasing the use of recyclable materials, and reducing the return/damage rates of packaged products

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Resource Use and Circular Economy

TARGETS

Expanding the scope of Life Cycle Assessment (LCA) practices for casting products in line with eco-design principles, enabling more transparent monitoring of environmental impacts and increasing the use of recycled content in products

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Resource Use and Circular Economy

TARGETS

Ensuring effective management of casting-related waste such as scrap, ceramics and sand through licensed recovery and disposal plants; increasing overall processing and reuse rates

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Water Management

TARGETS

Reducing total water consumption in casting processes through closed-loop water systems, rainwater harvesting practices and process water recovery

MATERIALITY LEVEL
Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Water Management

TARGETS

Increasing the reuse of treated water in cooling, washing and sand preparation processes; reducing water consumption per unit of production and increasing the water recovery rate

MATERIALITY LEVEL
Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Water Management

TARGETS

Enhancing treatment technologies to reduce oil, suspended solids and metal content in process wastewater; strengthening environmental compliance performance

MATERIALITY LEVEL
Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Water Management

TARGETS

Developing water recovery infrastructure in parallel with increased production capacity and expanding circular systems that support water reuse through fully closed-loop treatment

MATERIALITY LEVEL
Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Supply Chain Management

TARGETS

Developing collaborations with suppliers, research institutions and equipment manufacturers to strengthen sustainable supply chain processes in the casting industry

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Supply Chain Management

TARGETS

Monitoring suppliers environmental, social and ethical performance through regular audits and assessment processes; expanding the network of certified suppliers in line with responsible sourcing principles

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Supply Chain Management

TARGETS

Monitoring the performance of subcontractors and secondary suppliers through regular audit mechanisms; reducing quality deviations and delivery delays

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short Term

RELEVANT SDG



MATERIAL TOPIC
Business Ethics and Corporate Governance

TARGETS

Strengthening ethical awareness by integrating business ethics policies into employee recruitment and onboarding processes, supplier contracts, and contractor management practices

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Business Ethics and Corporate Governance

TARGETS

Expanding role-based anti-corruption training for production, procurement and sales teams and increasing ethical awareness

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Business Ethics and Corporate Governance

TARGETS

Establishing and sustainably operating a confidential digital ethics reporting hotline for employees, suppliers and customers

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Business Ethics and Corporate Governance

TARGETS

Integrating stakeholder dialogue mechanisms into the corporate strategy to strengthen stakeholder engagement on environmental, operational and social issues

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Business Ethics and Corporate Governance

TARGETS

Establishing a transparent feedback management system that enables environmental and social grievances to be managed digitally

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Business Ethics and Corporate Governance

TARGETS

Publishing and regularly updating a comprehensive sustainability report covering energy, emissions, water, raw materials, and occupational health and safety indicators

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Business Ethics and Corporate Governance

TARGETS

Regularly sharing employee engagement and customer satisfaction survey results to identify areas for improvement and monitor performance development

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Business Ethics and Corporate Governance

TARGETS

Increasing participation in sustainable development networks to support circular material use, energy efficiency and alternative supplier development practices, and strengthening supply chain resilience

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Business Ethics and Corporate Governance

TARGETS

Strengthening collaborations with national and international business partners to advance low-emission casting technologies, sustainable binder systems, and closed-loop recycling practices

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Business Ethics and Corporate Governance

TARGETS

Developing Life Cycle Assessment (LCA) methodologies for investment casting components and implementing pilot applications in collaboration with industry stakeholders

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Business Ethics and Corporate Governance

TARGETS

Increasing membership in industry associations and supporting active participation in quality and environmental committees to strengthen sectoral collaboration and compliance mechanisms

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Business Ethics and Corporate Governance

TARGETS

Regularly publishing sustainability reports covering ESG indicators specific to casting and valve manufacturing operations

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Business Ethics and Corporate Governance

TARGETS

Strengthening customer relationships and corporate stakeholder engagement through technical visits, trade fair participation and digital communication practices

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Economic Performance

TARGETS

Expanding the adoption of low-carbon technologies, closed-loop production systems and recycling practices in line with green transformation targets

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Economic Performance

TARGETS

Increasing certified production capacity and expanding market share in casting and valve product groups to enhance competitiveness in the European market

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Economic Performance

TARGETS

Diversifying export destinations and the customer portfolio to strengthen presence in global markets

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Economic Performance

TARGETS

Supporting economic sustainability and maintaining global competitiveness by diversifying operations across international markets

MATERIALITY LEVEL
Very High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Human Resources and Diversity

TARGETS

Enhancing human rights training with role-based modules and increasing awareness across all employee groups

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Human Resources and Diversity

TARGETS

Strengthening workforce diversity by increasing the participation of women, young people and other represented groups across production and management levels

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Human Resources and Diversity

TARGETS

Maintaining balanced employee turnover rates to support workforce continuity and organizational stability in critical positions

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Human Resources and Diversity

TARGETS

Developing technical competencies in casting, molding and quality control; supporting employees' professional development through internal and external training programs

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



Sustainability Targets and Contribution to the UN Sustainable Development Goals

MATERIAL TOPIC
Human Resources and Diversity

TARGETS

Increasing employee satisfaction through occupational health, ergonomics, shift arrangements and career development practices

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG



MATERIAL TOPIC
Human Resources and Diversity

TARGETS

Strengthening employee engagement through the suggestion system, active participation in continuous improvement projects, and annual training plans based on competency analyses

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Short/Medium Term

RELEVANT SDG



MATERIAL TOPIC
Human Resources and Diversity

TARGETS

Increasing the representation of women at management levels through targeted recruitment, promotion and leadership development practices

MATERIALITY LEVEL
High Priority

TARGET PERIOD
Medium/Long Term

RELEVANT SDG





Environmental Performance

Our environmental performance approach focuses on continuously improving our environmental impacts in line with the principles of combating climate change, energy and water efficiency, efficient use of resources and the circular economy. This section presents our practices and performance related to climate and energy management, greenhouse gas emissions, resource and waste management, water management and biodiversity conservation.



Gedik Advanced Casting Technologies

Climate Change and Energy Management

Gedik Advanced Casting Technologies approach to climate change is based on reducing energy consumption at source, improving the efficiency of production processes, expanding the use of low-carbon technologies and regularly monitoring emissions performance.

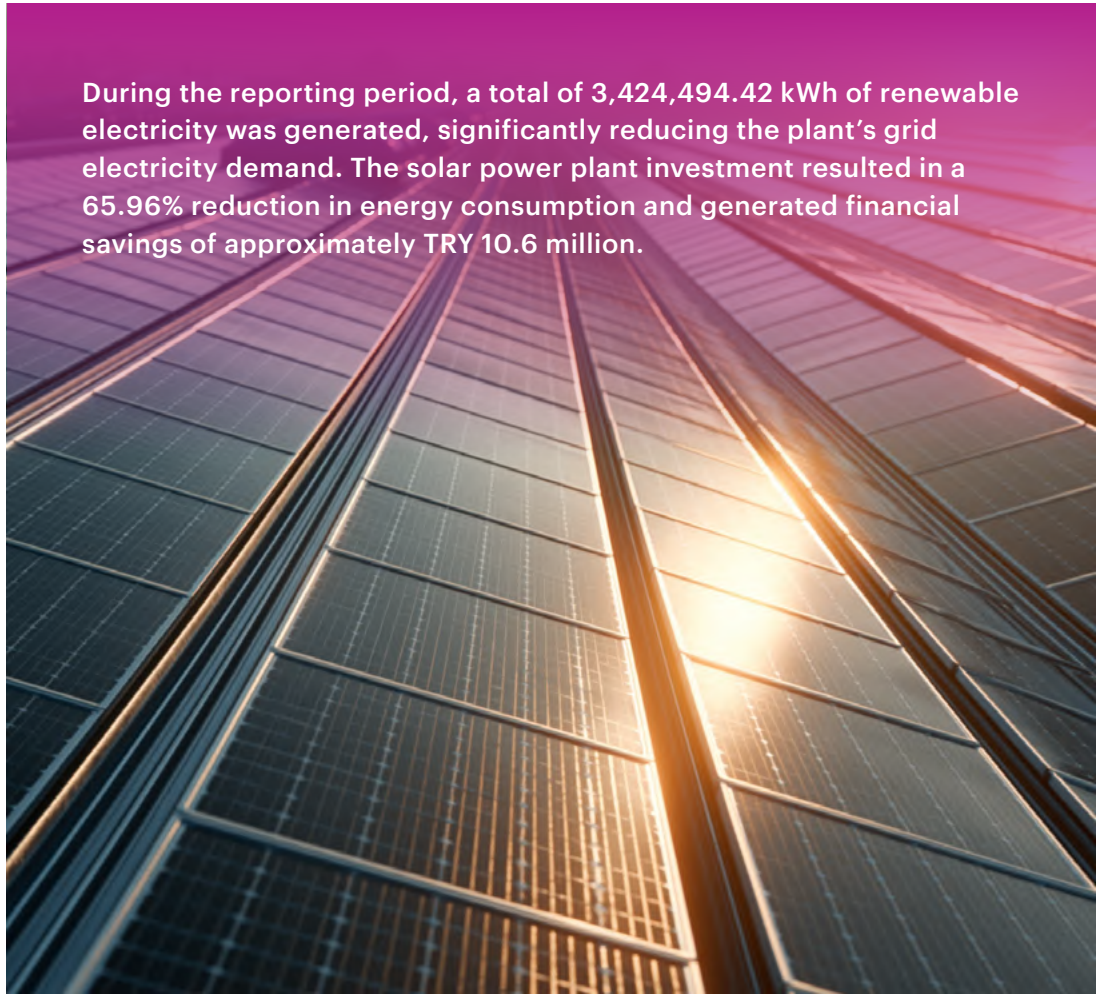


Climate change is one of the key sustainability issues that must be managed due to the energy-intensive nature of the casting industry. In this context, Gedik Advanced Casting Technologies considers improving energy efficiency, reducing greenhouse gas emissions and expanding the use of renewable energy among its key priorities for enhancing environmental performance.

The Company's approach to climate change is based on reducing energy consumption at source, improving the efficiency of production processes, expanding the use of low-carbon technologies and regularly monitoring emissions performance. Energy and emissions management processes are supported by the ISO 50001 Energy Management System, ISO 14001 Environmental Management System, ISO 14064-1:2018 Standard and the GHG Protocol, which together provide a framework for the Company's practices and operational processes.

Energy performance is managed by assessing consumption data together with process improvement initiatives, equipment modernization, renewable energy investments and digital management applications. Energy consumption in production and support processes is regularly monitored, areas for improvement are identified, and investments aimed at increasing energy efficiency are prioritized.

To manage climate change-related risks and reduce value chain greenhouse gas emissions, the Company implements practices aimed at increasing the transparency of emissions data across its supply chain.



In line with CBAM requirements, greenhouse gas emissions data are requested from suppliers, and Scope 1, Scope 2 and, where relevant, Scope 3 emissions data are expected to be shared.

ENERGY EFFICIENCY INITIATIVES

The energy efficiency initiatives implemented during the reporting period have been among the key outcomes of the Company's low-carbon production approach.

The rooftop solar power plant commissioned in 2025 represents one of the Company's key investments in renewable energy transformation. Operated jointly with Gedik Termo Vana, the plant became operational in January 2025 and began contributing to meeting the Company's energy needs from renewable sources.



In addition to the solar power plant investment, operational improvement projects aimed at increasing energy efficiency have also been implemented.

- By introducing time-controlled operation in the administrative building's air-conditioning systems, energy consumption was optimized, resulting in **annual energy savings of 166,320 kWh**.
- Following the replacement of the ventilation systems in the production area with high-efficiency equipment, higher airflow was achieved with lower power consumption, resulting in **annual energy savings of 235,224 kWh**.
- Digital monitoring systems are utilized to improve resource efficiency and effectively manage operational processes. The **ProMANAGE Smart Manufacturing Management System**, commissioned during the reporting period, enables real-time monitoring of production planning, maintenance, quality control and dispatch processes, while process performance is managed based on data. In addition, equipment performance is regularly monitored through the **Maintenance KPI Tracking System**, enhancing the effectiveness of maintenance activities and supporting production continuity and operational efficiency.

As a result of these initiatives, a total of 401,544 kWh of energy savings was achieved during the reporting period, generating financial savings of approximately TRY 11.8 million.

GREENHOUSE GAS EMISSIONS MANAGEMENT

Gedik Advanced Casting Technologies regularly monitors greenhouse gas emissions arising from its operations and carries out emissions management activities as part of its efforts to combat climate change.

The Company's greenhouse gas inventory is prepared in accordance with the ISO 14064-1:2018 standard and the GHG Protocol (Greenhouse Gas Protocol), and Scope 1, Scope 2 and Scope 3 emissions are calculated and reported in line with the operational control approach. Scope 3 emissions cover the main emission categories arising from the supply chain and other indirect activities.

The Company regularly monitors its emissions performance through energy efficiency indicators and greenhouse gas inventory studies, while climate change-related risks and opportunities are assessed as an integral part of its corporate risk management approach.

EMISSIONS MANAGEMENT

Indicators	Unit	2025	Rate (%)
Greenhouse Gas Emissions – Scope 1	tonnes CO_2e	1,221.22	15
Greenhouse Gas Emissions – Scope 2	tonnes CO_2e	1,616.74	20
Greenhouse Gas Emissions – Scope 3	tonnes CO_2e	5,348.38	65
Total Emissions	tonnes CO_2e	8,186.34	100

Resource Use and Circular Economy

Gedik Advanced Casting Technologies carries out its waste management practices in accordance with applicable environmental legislation, the Zero Waste approach and the requirements of the ISO 14001 Environmental Management System, while continuously improving its processes in line with operational needs and a continuous improvement approach.

Gedik Advanced Casting Technologies addresses resource use with a focus on reducing environmental impacts, preventing raw material losses, transforming waste into economic value and strengthening a circular production culture. The Company's approach is based on reducing waste generation at source, increasing opportunities for reuse within processes, maintaining recovery rates and managing waste in compliance with applicable legislation. The Company carries out its waste management practices in accordance with applicable environmental legislation, the Zero Waste approach and the requirements of the ISO 14001 Environmental Management System, while continuously improving its processes in line with operational needs and a continuous improvement approach.

In 2025, a 100% recovery rate was achieved. This performance demonstrates that Gedik Advanced Casting Technologies has systematically integrated its resource efficiency and circular economy approach into its operational processes.

100%
2025 Recovery Rate

ISO 14001
Environmental Management System Certificate

The Company holds a Zero Waste Certificate, and in accordance with the Waste Management Plan for plant operations, waste is systematically segregated at source, temporarily stored under appropriate conditions, transferred to licensed companies, and monitored throughout the recovery process. Within the scope of the resource efficiency approach, raw material use, energy consumption, waste generation and greenhouse gas emissions are regularly monitored; relevant management systems, particularly the ISO 14001 Environmental Management System, and environmental performance indicators are taken into account in performance assessments.



WASTE MANAGEMENT

Indicators	Unit	2025
Hazardous Waste	tonnes	38.82
Non-Hazardous Waste	tonnes	2,819.54
Total Waste	tonnes	2,858.36
Waste Sent for Recovery	tonnes	2,858.36
Recovery Rate	%	100%

Water Management

Water management activities are supported within the framework of the ISO 14001 Environmental Management System, integrating the principles of conserving natural resources, reducing environmental impacts and continuous improvement into operational processes.

Water is one of the key natural resources used in the production activities of Gedik Advanced Casting Technologies. Efficient use of water resources, regular monitoring of consumption and minimizing environmental impacts are among the key priorities of the Company's environmental management approach. In this context, water management activities are supported within the framework of the **ISO 14001 Environmental Management System**, integrating the principles of conserving natural resources, reducing environmental impacts and continuous improvement into operational processes. Performance indicators related to water and energy consumption are regularly monitored, while initiatives aimed at improving resource efficiency are supported through the systematic approach provided by the ISO 50001 Energy Management System.

During the reporting period, initiatives were launched to improve water efficiency, including monitoring water consumption, improving water-use practices and increasing employee awareness.

Within the Company, water is primarily used in cooling systems, auxiliary production activities and cleaning processes. Water used in production processes circulates within a closed-loop cooling system and is reused without undergoing any chemical or physical transformation.

Domestic wastewater generated as a result of operations is conveyed to the central wastewater treatment plant through the Organized Industrial Zone sewerage infrastructure. No direct discharge is made to the receiving environment, and wastewater management is carried out in accordance with applicable environmental legislation and legal requirements. During the reporting period, no non-compliance was identified within the scope of water quality permits, standards or environmental regulations. To manage impacts on water resources more effectively, the Company regularly monitors its water footprint indicators in accordance with the ISO 14046 Water Footprint Standard. Water footprint calculations cover the blue water footprint and the domestic and industrial grey water footprint components, and the results are used to assess water management performance and identify areas for improvement.



WATER FOOTPRINT INDICATORS

Indicators	Unit	2025
Blue Water Footprint	m³/year	18,379.87
Domestic Grey Water Footprint	m³/year	407.59
Industrial Grey Water Footprint	m³/year	17,278.00

WATER WITHDRAWAL AND DISCHARGE

Indicators	Unit	2025
Total Water Withdrawal	m³/year	18,378.87
Total Water Discharge	m³/year	17,685.59
Water Consumption[1]	m³/year	693.28

WATER WITHDRAWAL SOURCES

Indicators	Unit	2025
Well Water	m³/year	17,926.00
Municipal / Surface Water	m³/year	434.00
Third-Party Water Purchases	m³/year	18.87

Water footprint indicators are regularly monitored in accordance with the ISO 14046 Water Footprint Standard. Water footprint calculations cover the blue water footprint and the domestic and industrial grey water footprint components, and the results are used to assess water management performance and identify areas for improvement.

[1] Water consumption represents the difference between total water withdrawal and total water discharge.

Biodiversity and Ecosystem Protection

The priority management approach for biodiversity focuses on reducing indirect environmental impacts arising from operations and continuously improving existing environmental performance.

Gedik Advanced Casting Technologies conducts its operations with an approach focused on conserving biodiversity, protecting ecosystems and reducing environmental impacts.

Potential impacts arising from production activities are assessed within the scope of the environmental management system. Key priorities include the efficient use of natural resources, controlling emissions, proper waste management and ensuring full compliance with legal requirements. During the reporting period, the Company's operations had no significant direct impact on protected areas, sensitive ecosystems with high biodiversity value or endangered species. Therefore, the priority management approach for biodiversity focuses on reducing indirect environmental impacts arising from operations and continuously improving existing environmental performance.

Environmental impacts are managed within the scope of the ISO 14001 Environmental Management System. Environmental aspects and impacts are regularly assessed, while performance indicators related to energy use, emissions, waste management and natural resource consumption are monitored. Environmental processes, including raw material management, air emissions monitoring, zero waste practices, chemical management and greenhouse gas emissions monitoring, are managed through a systematic framework.



Renewable energy and energy efficiency investments implemented in 2025 contributed to more efficient management of natural resource use and improved environmental performance. The solar power plant commissioned during the year aims to increase the use of renewable energy, while energy efficiency-focused equipment modernization and process improvements have reduced energy consumption. These initiatives support the reduction of greenhouse gas emissions, the mitigation of environmental pressures on natural resources and the minimization of the environmental impacts of production activities.

Social Performance

In line with our people-oriented approach, we prioritize practices that support the development, health, safety and well-being of our employees while creating value for society. This section presents our human resources management, diversity and inclusion approach, occupational health and safety practices, and social contribution activities.



Gedik Advanced Casting Technologies

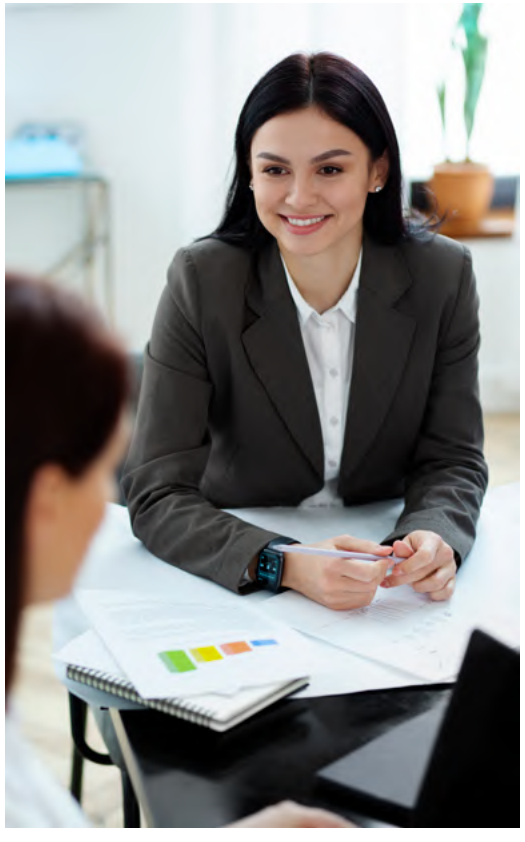
Human Resources and Diversity

The human resources practices of Gedik Advanced Casting Technologies are carried out in accordance with the principles defined under the Human Resources Policy, while employee satisfaction, performance development, career planning and training activities are regularly monitored.

EQUALITY, DIVERSITY AND INCLUSION

Creating a safe and inclusive working environment where employee rights are respected is one of the fundamental elements of the human resources approach of Gedik Advanced Casting Technologies. The Company conducts all human resources practices in line with the principles of equal opportunity, fair working conditions and respect for human rights.

In recruitment, compensation, performance evaluation, career development and promotion processes, employees' competencies and performance are taken as the basis, and discriminatory practices based on gender, age, marital status, disability, ethnic origin, belief or other personal characteristics are not permitted. The Company's human resources practices are carried out in accordance with the principles defined under the **Human Resources Policy**, while employee satisfaction, performance development, career planning and training activities are regularly monitored. The Company prioritizes providing its employees with a safe, respectful and supportive working environment and aims to promote a human rights-based working culture throughout the organization.



In this context, a zero-tolerance approach is adopted toward all forms of forced labor, child labor, discrimination, harassment, ill-treatment and violations of employee rights. This approach has been further reinforced through the **Social Compliance Policy** introduced in 2025 and a stronger governance structure. At Gedik Advanced Casting Technologies, an ethical business culture is considered an integral part of the corporate governance approach.

In line with the Corporate Ethics Policy, the principles of integrity, transparency, accountability and fair conduct are observed across all operations.

Employees may communicate their opinions, suggestions and concerns regarding ethical principles or workplace practices through secure communication channels, and all reports are handled in accordance with the principles of confidentiality, impartiality and fair assessment.

The Company aims to strengthen a culture of trust through mechanisms that enable the effective assessment of reports concerning ethical violations and employee rights.

The Company respects employees freedom of association, participation in trade union activities and collective bargaining rights, and conducts all employment-related practices in compliance with national legislation and international labor standards. Protecting employee rights and strengthening the principle of equal treatment are among the key priorities of human resources management.

The Company's recruitment and career management processes are conducted in line with an equal opportunity approach.

Throughout all stages, from identifying personnel needs to recruitment, candidates' knowledge, experience and competencies are taken into consideration, and assessments are conducted based on objective criteria.

In addition, employees' training needs are regularly assessed to support their career development, and professional development initiatives are implemented as part of annual training plans.

Orientation programs for newly hired employees support their adaptation to the Company and its business processes, while performance evaluation practices contribute to identifying employees' development areas and supporting their career planning.

In line with the diversity and inclusion approach, the participation of employees from different age groups, educational backgrounds and areas of experience in the workforce is supported, while efforts continue to promote equal opportunities, particularly in technical and managerial positions.

As of the end of 2025, Gedik Advanced Casting Technologies employs a total of 118 employees. Women account for 16.9% of the workforce, while men account for 83.1%.

Women employees hold both white-collar and blue-collar positions, and the Company maintains a human resources approach that supports equal opportunities across different roles and areas of responsibility. Blue-collar employees working in production processes account for 70% of women employees.

The Company also encourages the visibility and representation of women in leadership. Through her participation in national and international platforms addressing women's leadership, entrepreneurship and the role of women in business, Chairwoman Hülya GEDİK contributes to strengthening a culture of equality, inclusion and representation.

At events such as the **"Women's Leadership and Women in Anatolia"** panel held in 2025, experiences and best practices regarding women's representation in business were shared with stakeholders.





TALENT DEVELOPMENT, TRAINING AND CAREER MANAGEMENT

Gedik Advanced Casting Technologies believes that a strong and competent workforce built on knowledge forms the foundation of sustainable growth.

Accordingly, developing employees' technical expertise, strengthening their professional competencies and supporting their career development are among the key elements of the Company's human resources management approach.

Human resources processes, from recruitment to career planning, are managed in line with the Company's human resources approach and are supported by relevant policies, procedures and practices, particularly the Human Resources Procedure.

Training needs are regularly assessed, and annual training plans are developed based on needs identified with the contribution of department managers.

Technical, corporate and personal development training programs are systematically planned to help employees develop competencies aligned with their roles and support their career development.

Training programs that support career development are incorporated into annual training plans, while training effectiveness is assessed and the results are documented.

Orientation training is provided to accelerate the integration of newly hired employees into the Company. Employees who change roles are also provided with adaptation and development programs aligned with the requirements of their new positions.

On-the-job training based on a master-apprentice model is also used in production processes to ensure the continuity of technical knowledge transfer.

In 2025, employees received a total of 70 hours of professional development training, primarily covering technical expertise, quality management, production processes and operational efficiency. In addition, Vocational Qualifications Authority (MYK) certification and qualification processes continued to be supported to enhance employees professional competencies.

Developing employee competencies is critically important in casting operations that require technical expertise. In an organization where 52.1% of employees have a high school education or higher, these competencies are continuously supported through training and professional development programs.

In the coming period, the Company aims to focus on increasing training hours per employee, expanding technical expertise programs, making performance and career evaluation processes more systematic, and strengthening talent management practices.



EMPLOYEE SATISFACTION AND ENGAGEMENT

Gedik Advanced Casting Technologies considers employee satisfaction and engagement to be among the key indicators of sustainable business success.

The Company aims to provide employees with a safe, fair, inclusive and development-oriented working environment.

The employee experience is addressed holistically through compensation, fringe benefits, social support, career development, occupational health and safety, ethical reporting mechanisms and social dialogue practices.

Employees opinions and expectations are regularly monitored across the Company, while feedback mechanisms are used to support employee participation in decision-making processes.

Findings from assessments conducted by the Human Resources department are translated into action plans aimed at improving working conditions and the employee experience.

As of 2025, all employees of Gedik Advanced Casting Technologies benefit from statutory entitlements under the social security system, complemented by a comprehensive benefits system designed to support employee well-being.



The main social benefits provided by the Company include the following:

- Supplementary Health Insurance
- Childbirth Allowance
- Bereavement Allowance
- Marriage Allowance
- Military Service Allowance
- Child Allowance
- Education Allowance
- In-Kind Benefits
- Holiday Allowance
- Annual Leave Allowance
- Fuel Allowance
- Social Assistance Payments
- Accident-Free Work Incentive Bonus

In addition to practices that support employees' physical and psychological well-being, the Company prioritizes fostering a strong environment for social dialogue.

In line with the Social Compliance Policy and Corporate Ethics Policy, employees' freedom of association, trade union rights and collective bargaining processes are respected, and employee representation mechanisms are supported.

As of 2025, 77.96% of employees are covered by a collective bargaining agreement, demonstrating the effectiveness of employee representation mechanisms and a strong culture of social dialogue.

The Company adopts a zero-tolerance approach to discrimination, mobbing, harassment, forced labor and child labor, and employees can provide feedback through ethical reporting and grievance mechanisms.

As part of its objectives for the coming period, the Company aims to assess employee satisfaction, strengthen employee development processes, promote an inclusive corporate culture and further develop practices that support a sustainable workforce.

Occupational Health and Safety

Gedik Advanced Casting Technologies occupational health and safety approach is supported by relevant management systems, policies, procedures and practices, particularly the Occupational Health and Safety Management System Policy.

Gedik Advanced Casting Technologies considers occupational health and safety (OHS) to be one of the fundamental elements of employee well-being, operational continuity and a sustainable production culture. In a production environment involving occupational risks such as high temperatures, molten metal, heavy equipment use, molding and grinding operations, dust, metal fumes, chemical exposure, mechanical hazards and high noise levels inherent in casting operations, protecting employee health and maintaining safe working conditions are among the Company's priority management areas.

The Company's occupational health and safety approach is supported by relevant management systems, policies, procedures and practices, particularly the **Occupational Health and Safety Management System Policy**. Within the scope of the policy, the Company's occupational safety culture is defined as an integral part of its corporate culture. Key practices include creating safe working environments, reducing risks, raising awareness among employees and relevant stakeholders, observing OHS criteria in equipment and workplace selection, establishing engineering controls and safety processes, providing appropriate personal protective equipment, conducting ergonomic assessments and carrying out periodic health examinations.



LEGAL COMPLIANCE AND MANAGEMENT SYSTEM FRAMEWORK

Gedik Advanced Casting Technologies conducts its occupational health and safety activities in accordance with applicable laws, regulations and other legislative requirements, particularly Occupational Health and Safety Law No. 6331, while continuously improving its occupational health and safety management system in line with the ISO 45001 standard.

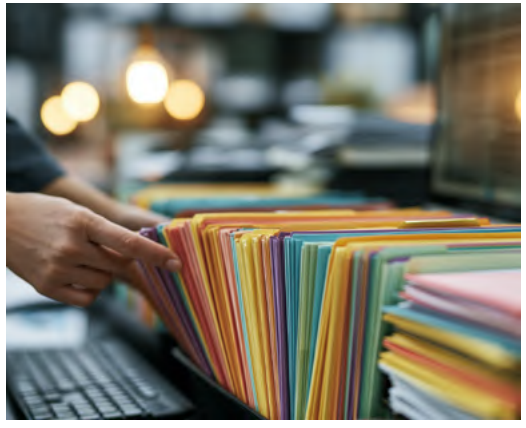
In addition to ensuring legal compliance, the Company supports its occupational health and safety culture through workplace inspections, risk assessments, OHS Committee activities, employee training, on-site information and warning practices, as well as corrective and preventive actions. The "Continuous Process Improvement" approach set out in the Quality Policy also supports these efforts. **Continuous Process Improvement** and **Continuous Training** principles are among the fundamental management principles that contribute to the development of a safe production culture.

HAZARD IDENTIFICATION, RISK ASSESSMENT AND PREVENTIVE CONTROLS

The identification of occupational hazards and the control of risks are carried out systematically within the scope of the Risk Assessment Procedure. The primary purpose of the procedure is to assess the adequacy of existing or planned controls and to reduce risks to an acceptable level before harm occurs.

Risks are identified by taking into account workplace inspections, management review meetings, target and process performance indicators, stakeholder views, employee feedback and operational needs. During the risk assessment process, a scoring approach based on likelihood and severity is applied, and risks are classified as **very high, high or insignificant.** Risk reduction activities are planned for very high and high risks, responsibilities and deadlines are assigned, and actions taken are monitored through management review processes. Risk assessment records are reviewed at least once a year, and improvement activities are documented, supporting the traceability of the risk management system. Key risks specific to casting processes include molten metal splashes, hot surfaces, lifting and handling equipment, heavy transport operations, chemicals, dust and metal fumes, mechanical injuries and working at height. Measures applied to address these risks include the use of personal protective equipment, workplace inspections, on-site warnings, equipment compliance checks, employee training and technical improvement activities.





INTERNAL AUDIT AND CONTINUOUS IMPROVEMENT

Internal audit and process audit mechanisms are used to monitor OHS performance and identify areas for improvement. Within the scope of the **Internal Audit Procedure**, quality, environmental and occupational health and safety management system audits are planned periodically. Additional audits may be conducted based on past audit findings, quality, environmental and OHS issues, non-conformities, new product/process launches and increases in the number of corrective actions. Process audits are conducted systematically, covering occupational accident statistics, use of personal protective equipment, process risk analyses, control plans and the effective implementation of relevant documentation. Corrective actions are initiated for non-conformities identified during audits, root cause analyses are performed, and the closure status of actions is monitored.

EMPLOYEE PARTICIPATION AND COMMUNICATION CHANNELS

The Company considers employee participation to be a critical element in ensuring the effectiveness of the OHS management system. OHS information boards are displayed in various areas of the factory and on machinery and equipment, while employees are also provided with information through screens located in the cafeteria and at the entrances to the administrative building. An open communication environment is supported, enabling employees to directly contact the OHS specialist, ask questions and obtain information on occupational health and safety matters.

As of 2025, the Company has a near-miss reporting system in place. The Company considers the systematic recording of near-miss events and hazard notifications to be an important element of a preventive OHS culture and continues its awareness and communication activities to encourage employees to report unsafe conditions.



OHS COMMITTEE AND EMPLOYEE REPRESENTATION

As of 2025, the OHS Committee consists of 15 members, including one employee representative. Due to the Company's classification as a very hazardous workplace, the OHS Committee meets monthly. Committee meetings address workplace observations, risk assessments, accident and non-conformity reports, training needs, corrective actions and feedback received from employees.

OCCUPATIONAL HEALTH SERVICES AND SUPPORTING EMPLOYEE HEALTH

Employees access to healthcare services is supported through pre-employment medical examinations, periodic health screenings, infirmary services and cooperation with a Joint Health and Safety Unit (OSGB). Pre-employment health screenings and periodic examinations are conducted regularly, while on-site medical examination services are provided at the infirmary for half a day, two days a week. In addition to basic healthcare services, employees visiting the infirmary and personnel requiring assistance in the workplace are provided with verbal information and guidance. Voluntary initiatives supporting employee health also include awareness activities on smoking cessation.

The Company supports equal access to health and safety practices for all employees, including women and disadvantaged groups, and attaches importance to providing the necessary accommodations in work areas.



OHS TRAINING AND COMPETENCY DEVELOPMENT

To support a safe working culture, occupational health and safety training covering all employees was conducted in 2025. During the reporting period, 118 employees participated in OHS training, with a total training duration of 1,888 person-hours.

Training focuses on fundamental OHS rules, the use of personal protective equipment, workplace safety, safe use of work equipment, risk awareness, precautions to be taken following accidents, and strengthening a safe behavior culture. A Class A occupational safety specialist and an occupational physician are responsible for supporting the implementation of OHS processes within the Company.

ACCIDENT MANAGEMENT AND CORRECTIVE ACTIONS

As part of accident and incident management, return-to-work training is provided, behaviors or conditions that contributed to accidents are assessed, relevant employees are informed, workplace protection and equipment arrangements are implemented, and necessary technical measures are taken. Accidents and OHS performance indicators are monitored through digital and physical records, while relevant information is shared with stakeholders through corporate communication channels where necessary.

OHS PERFORMANCE INDICATORS

Indicators	Unit	2025
Incident Rate (IR)	rate	59.28
Lost Day Rate (LDR)	rate	556.59
Fatal Occupational Accidents	number/ year	0

In 2025, approximately TRY 1.4 million was spent on OHS practices at Gedik Advanced Casting Technologies. These expenditures supported investments in personal protective equipment, workplace safety equipment, digital information and communication practices, technical improvements, and employee training and awareness activities.



EMERGENCY, DISASTER MANAGEMENT AND RESILIENCE PRACTICES

Gedik Advanced Casting Technologies implements a comprehensive Emergency and Business Continuity Management System to protect employee health and safety, minimize environmental impacts, and safeguard operational continuity. Action plans have been developed for potential risk scenarios across the plant, including fire, earthquake, flood, explosion, chemical spills, uncontrolled emissions and discharges, cyberattacks, pandemics, critical equipment failures and supply chain disruptions, and these plans are regularly reviewed.

The emergency management approach is structured around risk assessments, clearly defined roles and responsibilities, communication mechanisms, evacuation procedures, first-aid practices and measures to ensure environmental protection.

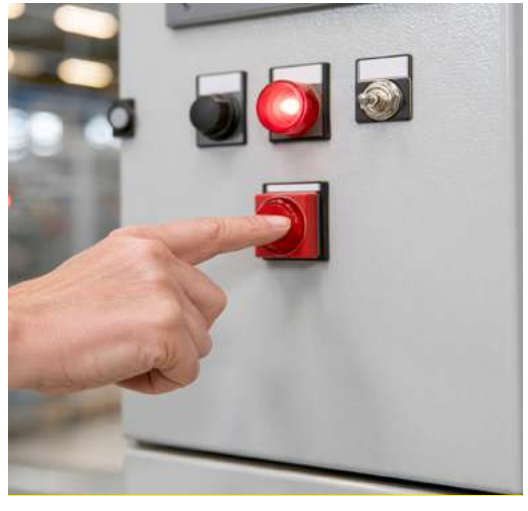
To strengthen emergency response capacity, firefighting, rescue, protection and first-aid teams have been established, and the necessary equipment and infrastructure are maintained on site. To enhance operational resilience, the Company maintains redundancy systems for critical equipment, develops alternative production lines and production capacity solutions, and has backup generators and compressor infrastructure in place to address potential power disruptions.

Information systems are regularly backed up, and critical data are securely stored at different locations.

In addition, business continuity plans are implemented to protect customer service continuity in extraordinary circumstances such as natural disasters, pandemics and supply chain disruptions.

The effectiveness of emergency plans is regularly tested through drills and simulations, and improvement actions are carried out based on the results obtained.

Plans are updated in line with new investments, process changes, emerging risks, audit findings and outcomes evaluated during Management Review (MR) meetings.



Social Impact and Social License

Throughout 2025, Gedik Advanced Casting Technologies contributed to the development of the industrial ecosystem through its activities, supported the dissemination of technical knowledge and focused on creating shared value with industry stakeholders.

Gedik Advanced Casting Technologies supports sustainable social value creation through knowledge sharing, technical development, training collaborations, strengthening local production capacity and building long-term relationships with stakeholders. Through its activities in 2025, the Company contributed to the development of the industrial ecosystem, supported the dissemination of technical knowledge and focused on creating shared value with industry stakeholders.





INDUSTRY AND TECHNOLOGY COLLABORATIONS

In 2025, the Company continued to strengthen its technical competencies and production capabilities through collaborations with national and international stakeholders. As part of the collaboration initiated with EBRO Armaturen Gebr. Bröer GmbH, headquartered in Germany, orders for new models were received, sample casting processes were carried out and technical development activities were undertaken. In addition, areas of collaboration with BMC Otomotiv were explored for the development and supply of casting components for the automotive industry. The Company also initiated preliminary audit activities by signing a mutual non-disclosure agreement with Teknotrans. Through meetings with companies from different sectors, particularly Birinci Otomotiv, new collaboration and project opportunities were evaluated. Customer and stakeholder visits conducted throughout the year included technical assessments with organizations operating in the automotive, valve, energy and industrial sectors, with a focus on developing long-term collaborations.



DEVELOPMENT OF LOCAL PRODUCTION AND TECHNICAL COMPETENCIES

Gedik Advanced Casting Technologies continued its digital transformation initiatives to enhance efficiency and improve quality performance across its production processes.

In this context, advanced simulation software was used to improve casting processes, supporting both new product introduction and existing product development activities.

Analyses conducted prior to production aim to reduce potential defect risks, enable more efficient use of resources and improve process performance.

In 2025, Gedik Advanced Casting Technologies continued to strengthen its technical competencies and production capabilities through collaborations developed with national and international stakeholders.



CONTRIBUTION TO THE DEFENSE INDUSTRY AND STRATEGIC SECTORS

During a visit to the Hendek plants by STM, one of the leading organizations in the defense industry, existing projects and potential new collaboration opportunities were evaluated, and Gedik Advanced Casting Technologies production infrastructure was reviewed on site.

During the visit, projects involving equipment manufactured under the TAİS (MİLGEM) programs and ongoing production activities were discussed, and knowledge was shared to support the development of domestic production capabilities in the defense industry.

Gedik Advanced Casting Technologies considers supporting young people's development in technical fields and transferring industrial and technological knowledge to future generations among its priority areas.



EDUCATION AND KNOWLEDGE SHARING

The Company considers supporting young people's development in technical fields and transferring industrial and technological knowledge to future generations among its key priorities. In this context, students from the Mechatronics Program of Istanbul Gedik University Vocational School visited the Company's production plants, where they gained first-hand insights into production processes, casting technologies and industrial practices. Through technical visits, the Company contributed to students' professional development while supporting knowledge transfer from industry to younger generations.

As part of the "Gedik and Industry Agenda" events held in Ankara and İzmir, topics including welding, valves, casting, aerospace technologies, artificial intelligence applications and Industry 4.0 were discussed, facilitating knowledge and experience sharing among industry representatives. The events contributed to the development of a culture of collaborative learning and cooperation focused on industrial transformation.



CREATING VALUE WITH INTERNATIONAL STAKEHOLDERS

The Company continued to strengthen knowledge and experience sharing by developing collaborations with international stakeholders. During meetings with Oman Pumps in Oman, existing and potential projects were evaluated, and certification and project development processes were discussed.

In addition, representatives of industrial and educational institutions from Azerbaijan were hosted at the Hendek plants, where information on casting, valve and pipe manufacturing technologies was shared and potential areas of collaboration were explored.

Through its technical expertise, innovative production approach and strong stakeholder relationships, Gedik Advanced Casting Technologies continues to contribute to industrial development, support local production capacity and create sustainable social value.



SUPPORTING CULTURE AND THE ARTS

With the aim of supporting social development through cultural production, the role of culture and arts activities in societal development was highlighted at events organized as part of the 30th anniversary of the Gedik Education Foundation. The Gedik Philharmonic Orchestra concerts aimed to enhance accessibility to the arts.

Product Responsibility and Value Chain Management

Our sustainable value creation approach is built on developing safe and high-quality products, achieving operational excellence supported by innovation and digitalization, and ensuring responsible supply chain management. This section presents our product quality and customer-focused practices, innovative production approach, and sustainable management practices adopted across the value chain.



Gedik Advanced Casting Technologies

Product Safety and Quality Management

In the casting industry, the mechanical durability, material compatibility, dimensional accuracy, traceability and compliance of products with customer specifications directly affect customer safety, operational continuity and resource efficiency.



Gedik Advanced Casting Technologies considers product safety and quality management to be among the fundamental elements of its sustainable production approach. In the casting industry, the mechanical durability, material compatibility, dimensional accuracy, traceability and compliance of products with customer specifications directly affect customer safety, operational continuity and resource efficiency.

QUALITY MANAGEMENT APPROACH

The Company's quality approach is guided by the principles defined in its **Quality Policy:** "right first time and at the required quality," "continuous process improvement," "customer satisfaction," "protecting natural resources," and "continuous training." Under the ISO 9001 and IATF 16949 quality management systems framework, production and service processes are supported to ensure compliance with applicable quality standards.

Management System Certifications

ISO 9001
Quality Management System

ISO 14001
Environmental Management System

ISO 50001
Energy Management System

IATF 16949
Automotive Quality Management System

PRODUCT CONTROL, TESTING AND VERIFICATION PROCESSES

To ensure product conformity and reliability, quality control activities are carried out in accordance with relevant quality management system practices and operational processes, particularly the Quality Control Procedure.

Final inspection processes are applied in sand casting and precision casting production; products are evaluated in terms of physical conformity, dimensional accuracy, material structure, hardness and mechanical properties.

For grey and ductile iron cast products, test specimens are prepared from each batch and subjected to testing. Test results are recorded and shared in line with customer requirements.

Products that do not meet the minimum values specified in technical specifications are segregated from the production flow and managed in accordance with the applicable non-conforming product management processes.

TRACEABILITY AND PROCESS CONTROL

Traceability is a key element of the Company's product safety approach. Production records are monitored through the IFS system, with an automatic batch number generated for each record. For products with known batch numbers and part codes, the "from casting to raw material" approach enables traceability across all production stages, including batch records, process information and quality control records.

MANAGEMENT OF NON-CONFORMING PRODUCTS

Depending on their condition, non-conforming products are returned to the supplier, reprocessed, repaired or segregated as scrap. In the event of a non-conformity in products delivered to customers, complaints are recorded through the Customer Complaints Tracking Form, assessed by the relevant quality and production departments, and necessary corrective actions are initiated.

NEW PRODUCT INTRODUCTION AND PROCESS SAFETY

New product introduction is a critical process for managing product safety and customer requirements from an early stage. New product requests are managed through feasibility assessment, project team formation, collection of design inputs, process design, APQP, DFMEA, PFMEA, prototype production, pre-series production and product release stages.

This structure, in which R&D, production, quality control, quality assurance, purchasing, sales and planning departments work collaboratively, enables new products to be verified in terms of technical, quality and process capability before entering serial production.

The product safety and quality approach is also supported by resource efficiency and circular economy practices.

Customer Satisfaction

Gedik Advanced Casting Technologies customer relations approach is built on accurately understanding customer expectations, meeting product requirements throughout pre-delivery, delivery and post-delivery processes, systematically monitoring customer feedback, and implementing necessary improvement actions.

Gedik Advanced Casting Technologies considers customer satisfaction to be one of the fundamental elements of its quality management and continuous improvement approach.

The Company's customer relations approach is built on accurately understanding customer expectations, meeting product requirements throughout pre-delivery, delivery and post-delivery processes, systematically monitoring customer feedback, and implementing necessary improvement actions. Customer relations processes are carried out in coordination with the sales, quality control, production and engineering departments.

Customer requests and expectations are monitored through customer satisfaction surveys, customer request tables, complaint reports, visit reports, meeting records and customer audits. The results obtained are evaluated during Management Review (MR) meetings. Based on customer feedback, applicable and effective corrective actions are identified, responsibilities are assigned, and their effectiveness is monitored in subsequent periods.



In the customer satisfaction assessment conducted in 2025, Gedik Advanced Casting Technologies achieved an overall customer satisfaction score of 93%.

COMPLAINT AND FEEDBACK MANAGEMENT

For notifications received by the Sales or Quality departments, details such as the description of the defect, quantity, date of occurrence, product marking, order or invoice information, amount and visual evidence are requested, and the information received is recorded by the Quality department.

On the day a complaint is registered, it is communicated to the relevant departments, responsible units are assigned, and the action process is initiated. During the investigation of complaints, the relevant departments determine the necessary actions and reports are prepared where required. For supplier-related non-conformities, a supplier non-conformity notification is issued and corrective action is requested.

Completed complaint records are closed and retained for monitoring, while open records continue to be tracked. Complaints and requests are reviewed at weekly quality meetings by department managers and senior management and monitored by product group, originating department and date of occurrence.

If any non-conformity is identified in products delivered to customers or a product is returned, the relevant notifications are recorded by the Quality Control department. Returned products and non-conformities are reviewed by the relevant quality and production departments to identify root causes, and the necessary corrective and preventive actions are planned and implemented.

CUSTOMER COMMUNICATION AND VISITS

The Company monitors customer satisfaction through regular customer communication and on-site feedback. Customer visits, meetings, customer audits and feedback on order performance are key components of customer relationship management. The Company ensures that customer visits are conducted in a controlled, safe and orderly manner. Practices such as requiring visitors to use personal protective equipment upon entering production areas, communicating safety rules and ensuring that visitors are accompanied at all times support both the customer experience and plant safety. Delivery performance is also monitored as an important component of customer satisfaction. Daily delivery reports are regularly shared with the relevant departments, order dates are monitored through the ERP system, and delivery-related issues are tracked through system-generated alerts.

In 2025, the Gedik CRM system was implemented to support more effective, traceable and data-driven management of customer relationship processes. Through the system, customer visits, quotation processes, support requests, customer complaints, sales territory data and customer feedback are monitored within a centralized structure, enabling all customer-facing processes to be systematically recorded.

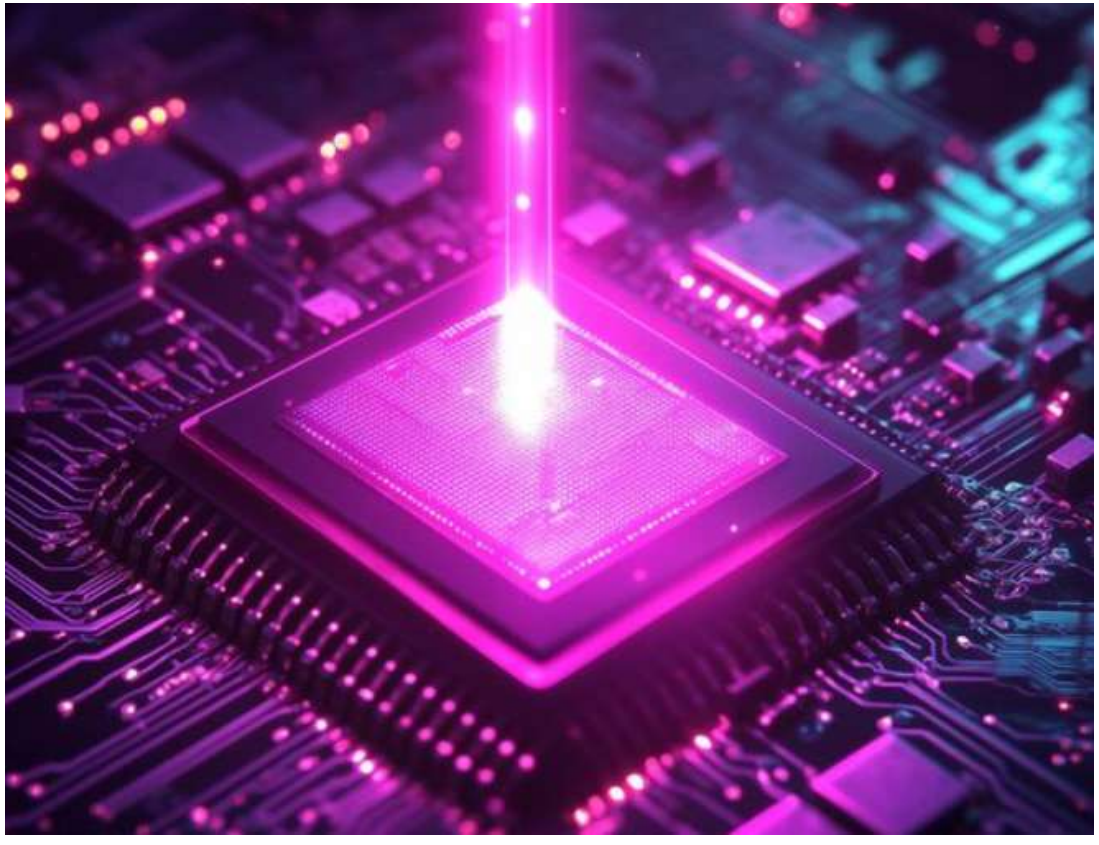
Innovation and Digital Transformation

Gedik Advanced Casting Technologies carries out R&D activities, product and process development projects, university-industry collaborations and digital transformation initiatives through an integrated approach to improve production processes, enhance product performance and support operational excellence.

Gedik Advanced Casting Technologies considers innovation to be one of the key drivers of sustainable growth, enhanced competitiveness and the development of value-added solutions tailored to customer needs. The Company carries out R&D activities, product and process development projects, university-industry collaborations and digital transformation initiatives through an integrated approach to improve production processes, enhance product performance and support operational excellence.

9
Number of New Products Developed through R&D

R&D AND PRODUCT DEVELOPMENT INDICATORS	
Indicators	**2025**
R&D Employees	7
Number of New Products	9
Number of Improved Products	9



In 2025, R&D activities were carried out by a seven-member expert team, focusing on the development of new products and the improvement of existing products in line with customer needs and technical requirements.

Employees technical knowledge and field experience are also among the key inputs contributing to innovation processes. Improvement areas identified in production and operational processes are evaluated by the relevant teams and integrated into product development activities.

PRODUCT AND PROCESS INNOVATION

In 2025, R&D projects were implemented to improve the technical performance of existing products. In particular, improvement initiatives for the spherical valve product group enhanced product performance, durability and process efficiency.

Casting simulations, engineering analyses and performance verification activities are used in product development processes to optimize design and production, thereby enabling the development of reliable, high-performance products that meet customer expectations.

Strategic collaborations with leading companies in the automotive industry are ongoing, contributing to the enhancement of the Company's engineering and production capabilities through initiatives focused on the development of high-quality cast components.

UNIVERSITY-INDUSTRY COLLABORATIONS

Gedik Advanced Casting Technologies supports university-industry collaborations to strengthen its innovation capacity.

University-industry collaborations carried out in 2025 focused on product development, material technologies, valve design, mechanical analysis and the improvement of casting processes, contributing to the development of the Company's technical capabilities, strengthening its R&D capacity and supporting value-added product development activities.



PARTNER INSTITUTION

Indicators	Project / Area of Study	Scope
Istanbul Gedik University	Spherical Valve Product Development Project	R&D and academic consultancy activities were carried out to support product development and improve casting and machining processes for three-piece, full-bore spherical valves in the PN16 pressure class.
Sakarya University	Composite Materials and Valve Design Studies	Material development, performance evaluation, casting materials and process research were conducted to support the use of composite materials in valve components.
Sakarya University of Applied Sciences	Mechanical Systems and Engineering Analyses	Engineering analyses, design verification and technical development studies were conducted for valve components and mechanical systems.
Uludağ University	Casting Technologies and Production Processes	Academic knowledge-sharing and collaboration activities were carried out in the fields of casting technologies, production processes and sector-specific technical applications.
Sakarya University (2209-B Program)	Material and Surface Improvement Projects	Projects aimed at supporting students in industry-oriented material development, casting technologies, surface improvement, corrosion resistance and the enhancement of mechanical properties have been supported.

DIGITAL PRODUCTION AND SMART SYSTEMS

Gedik Advanced Casting Technologies utilizes digital engineering and data-driven management practices in its production processes.

The Company actively uses **Novacast casting simulation software** to improve casting processes and support the introduction of new products. Through simulation technology, process analyses are conducted prior to production to anticipate potential casting defects and determine optimum production conditions. This practice has reduced trial production, optimized raw material and energy use, improved product quality and contributed to reducing environmental impacts.

To enable end-to-end digital management of production processes, the **ProMANAGE Smart Production Management System** has been implemented in cooperation with Doruk Automation. Through the system, production planning, maintenance, quality control and dispatch processes are managed digitally in compliance with the ISO 16949 Automotive Quality Management System Standard and ISA-95 Enterprise-Control System Integration standards. Real-time data monitoring and instant feedback mechanisms aim to improve machine efficiency, reduce downtime and strengthen operational decision-making processes. In addition, the **Maintenance KPI Tracking System** has been implemented to enhance efficiency and sustainability across maintenance and production processes.



DIGITAL INFRASTRUCTURE AND PROCESS MANAGEMENT

Production, planning, inventory management and operational processes are managed through digital systems across the Company. The IFS ERP system enables the integrated management of production and resource planning processes, while the in-house Efor System supports the integrated execution of operational and support processes.

The **"Gedik Lean Up"** digital learning platform has been implemented to support employee development. Through the platform, employees can access professional and personal development training anytime and independently of location.



DIGITAL TECHNOLOGIES AND DATA-DRIVEN APPLICATIONS

As part of its digital transformation initiatives, the Company actively uses web-based software development technologies, database management systems, APIs and web service-based integration infrastructures. Integrations with SAP, IFS and similar enterprise systems enable financial, operational and production processes to be managed digitally.

In addition, digital platforms are used to enhance measurement and user interaction, including customer relationship management, task management, reporting and dashboard systems, mobile and web applications, and QR/NFC-based solutions.

The Company also aims to expand the use of artificial intelligence-enabled applications and considers next-generation technologies such as data analytics, chatbot applications and RAG (Retrieval-Augmented Generation) architectures to be key components of its digital transformation roadmap.



DIGITAL CUSTOMER AND USER EXPERIENCE APPLICATIONS

In 2025, various digital applications were implemented to improve the user experience. Within this scope, user interface enhancements were made to the corporate intranet and various documents were updated.

A **Digital Welcome Screen application** was implemented to improve the visitor experience for guests visiting the plant. Through the **Gedik CRM system**, which is used to manage customer relationships more effectively, customer visits, quotation processes, support requests, customer complaints, sales territory data and feedback are monitored within a centralized structure.



INFORMATION SECURITY AND DATA MANAGEMENT

The Company supports its digital transformation initiatives with an information security-oriented approach. The confidentiality, integrity and availability of corporate and personal data are treated as fundamental principles, while risks related to information assets are regularly assessed and necessary technical and administrative measures are implemented.

Cybersecurity practices, centralized logging systems, data security solutions and infrastructures compliant with the Turkish Personal Data Protection Law (KVKK) are among the key components of the Company's digital management framework. While efforts to enhance information security awareness continue, the continuity and reliability of systems are regularly reviewed.

Supply Chain Management

Gedik Advanced Casting Technologies supply chain approach is shaped by the principles of quality, reliability, traceability, environmental responsibility, ethical business practices and social compliance.

Gedik Advanced Casting Technologies considers its supply chain to be an important part of its approach to quality, sustainability, business continuity and mutual value creation. The Company's supply chain approach is shaped by the principles of quality, reliability, traceability, environmental responsibility, ethical business practices and social compliance.

As part of purchasing activities, suppliers' technical capabilities, quality performance, occupational health and safety practices, environmental impacts and ethical compliance are assessed together.

During the reporting period, 225 new suppliers were added to the system, while the business relationship with one supplier was terminated.

As of 2025, Gedik Advanced Casting Technologies active supplier network comprises 311 local suppliers.



SUPPLIER SELECTION AND EVALUATION PROCESS

Supplier selection and evaluation processes are carried out in accordance with the Purchasing and Supplier Evaluation Procedure, together with relevant purchasing practices, evaluation criteria and internal control mechanisms.

Within this process, suppliers' ability to meet the requirements for purchased products and services is assessed based on technical, operational and quality criteria.

More comprehensive evaluation processes are applied to raw materials, auxiliary materials, semi-finished products and critical service providers that have an impact on production and product quality.

Critical and non-critical suppliers are monitored under separate categories and audited at different evaluation frequencies.

Critical suppliers are subject to performance assessments twice a year, while non-critical suppliers are assessed at least once a year. Supplier evaluations take into account the following criteria:

- Environmental and social compliance criteria
- Quality management system practices
- Compliance with technical specifications and quality requirements
- Product and process quality
- Continuous improvement performance
- Delivery performance
- Capacity adequacy

Based on the results of performance assessments, suppliers are classified through a rating system. Improvement processes are implemented for suppliers with insufficient performance, and where necessary, suppliers may be removed from the approved supplier list.

ENVIRONMENTAL AND SOCIAL COMPLIANCE APPROACH

The Company considers the management of environmental and social impacts across its supply chain to be an integral part of its sustainability approach.

Social compliance declarations are obtained from suppliers, and compliance with ethical, legal and social responsibility criteria is regularly assessed. Within supplier selection and evaluation processes;

- Compliance with Legal Requirements
- Occupational Health and Safety Practices
- Respect for Human Rights
- Prevention of Child Labour
- Prevention of Forced Labour
- Prevention of Discrimination
- Protection of Women Employees and Equal Opportunities
- Ethical Business Practices
- Anti-Bribery and Anti-Corruption
- Compliance with Environmental Obligations

Social compliance assessments for approved suppliers are renewed twice a year.

In 2025, no supplier relationships were terminated due to environmental or social reasons.



CLIMATE CHANGE AND EMISSIONS MANAGEMENT

Due to the raw material- and energy-intensive nature of the casting industry, managing environmental impacts arising from the supply chain is considered a critical priority. The Company assesses key environmental risks within its supply chain, including high carbon emissions, energy-intensive production processes, natural resource consumption and environmental impacts associated with raw material sourcing.

To effectively manage these risks and monitor value chain emissions, Gedik Advanced Casting Technologies requests greenhouse gas emissions data from its suppliers in line with its obligations under the Carbon Border Adjustment Mechanism (CBAM). Suppliers are expected to provide information on Scope 1, Scope 2 and, where relevant, Scope 3 greenhouse gas emissions.

QUALITY, TRACEABILITY AND RISK MANAGEMENT

Gedik Advanced Casting Technologies assesses and regularly monitors supply chain risks across quality, delivery performance, cost, operational continuity and sustainability dimensions.

For critical products and services, technical specifications, material certificates, test reports, calibration certificates, accreditation records and process validation documents are requested and verified.

Supplier audits, quality control activities and performance assessments support the reliability and continuity of the supply chain while ensuring product safety, traceability and compliance with customer expectations.

LOCAL SOURCING AND ECONOMIC CONTRIBUTION

Gedik Advanced Casting Technologies places importance on supporting local economic development across its supply chain.

Long-term partnerships with local suppliers strengthen supply continuity, with a 100% local procurement share, while also contributing to regional economic value creation.

Long-term partnerships with local suppliers strengthen supply continuity while also contributing to regional economic value creation.

100%

Share of Local Procurement in the Purchasing Budget



Appendices

This section presents indicators, data tables and supplementary information relating to our sustainability performance. The data provided contains information that supports and serves as a reference for the explanations included in the report.



Gedik Advanced Casting Technologies

Environmental Performance Indicators

EMISSIONS MANAGEMENT			
Indicators	**Unit**	**2025**	**Rate (%)**
Greenhouse Gas Emissions – Scope 1	tonnes CO_2e	1,221.22	15%
Greenhouse Gas Emissions – Scope 2	tonnes CO_2e	1,616.74	20%
Greenhouse Gas Emissions – Scope 3	tonnes CO_2e	5,348.38	65%
Total Emissions	tonnes CO_2e	8,186.34	100%

WASTE MANAGEMENT		
Indicators	**Unit**	**2025**
Hazardous Waste	tonnes	38.82
Non-Hazardous Waste	tonnes	2,819.54
Total Waste	tonnes	2,858.36
Waste Sent for Recovery	tonnes	2,858.36
Recovery Rate	%	100%

WASTE CATEGORY			
Indicators	**Waste Type**	**Unit**	**2025**
Hazardous Waste	Waste Flue Dust	tonnes	18.52
	Contaminated Waste	tonnes	7.50
	Liquid Waste	tonnes	7.44
	Waste Grinding Media	tonnes	2.46
	Waste Oil	tonnes	1.64
	Waste Filter	tonnes	1.00
	Waste Fluorescent Lamps	tonnes	0.16
Non-Hazardous Waste	Waste Foundry Moulds and Patterns	tonnes	2,804.48
	Waste Paper	tonnes	9.60
	Waste Slag	tonnes	4.96
	Waste Plastic	tonnes	0.50
	Waste Metal	tonnes	0.10
	Waste Foundry Moulds and Patterns	tonnes	2,804.48
	Waste Paper	tonnes	9.60
By Disposal Method	Reuse	tonnes	7.50
	Recycling	tonnes	10.10
	Recovery (including energy recovery)	tonnes	2,840.76

Environmental Performance Indicators

WATER FOOTPRINT INDICATORS		
Indicators	**Unit**	**2025**
Blue Water Footprint	m³/year	18,379.87
Domestic Grey Water Footprint	m³/year	407.59
Industrial Grey Water Footprint	m³/year	17,278

WATER WITHDRAWAL AND DISCHARGE		
Indicators	**Unit**	**2025**
Total Water Withdrawal	m³/year	18,378.87
Total Water Discharge	m³/year	17,685.59
Water Consumption[2]	m³/year	693.28

WATER WITHDRAWAL SOURCES		
Indicators	**Unit**	**2025**
Well Water	m³/year	17,926
Municipal / Surface Water	m³/year	434.00
Third-Party Water Purchases	m³/year	18.87

[2] Water consumption represents the difference between total water withdrawal and total water discharge.

Social Performance Indicators

OHS TRAINING INDICATORS	
Indicators	2025
Number of Employees Receiving Training	188
Total OHS Training Hours (person-hours)	1,888
Average Training Hours per Employee (hours)	16

OHS COMMITTEE STRUCTURE	
Indicators	2025
Total Number of OHS Committee Members	15
Number of Employee Representatives	1

OHS PERFORMANCE INDICATORS			
Indicators	Group	Unit	2025
Incident Rate (IR)	Company	rate	59.28
Incident Rate (IR)	Subcontractors	rate	-
Lost Day Rate (LDR)	Company	rate	556.59
Lost Day Rate (LDR)	Subcontractors	rate	-
Fatal Occupational Accidents	Company	number/year	0
Fatal Occupational Accidents	Subcontractors	number/year	0

EMPLOYEE DISTRIBUTION BY EMPLOYMENT TYPE		
Indicators	Unit	2025
White-Collar – Female	person	6
White-Collar – Male	person	18
Blue-Collar – Female	person	14
Blue-Collar – Male	person	80
Total Number of Employees	person	118

EMPLOYEE DISTRIBUTION BY CONTRACT TYPE		
Indicators	Unit	2025
Permanent – Female	person	20
Permanent – Male	person	98
Fixed-Term – Female	person	0
Fixed-Term – Male	person	0
Total	person	118

Social Performance Indicators

EMPLOYEE DISTRIBUTION BY GENDER		
Indicators	**Unit**	**2025**
Female	person	20
Male	person	98
Total	person	118

EMPLOYEE DISTRIBUTION BY AGE GROUP			
Indicators	**Female**	**Male**	**Total**
18–30 Years	6	17	23
31–40 Years	6	24	30
41–50 Years	7	38	45
51–60 Years	1	17	18
Over 60 Years	0	2	2
Total	20	98	118

OTHER EMPLOYEE GROUPS		
Indicators	**Unit**	**2025**
Foreign Employees	person	0
Employees with Disabilities	person	3
Interns	person	1
Subcontractors	person	0
Total	person	4

EMPLOYEE DISTRIBUTION BY MANAGEMENT CATEGORY			
Indicators	**Female**	**Male**	**Total**
Senior Management	0	1	1
Middle Management	5	17	22
Other Employees	15	80	95
Total	20	98	118

EDUCATION LEVEL			
Indicators	**Female**	**Male**	**Total**
Primary School	6	36	42
Middle School	3	11	14
High School	3	26	29
Vocational School	2	6	8
University	6	15	21
Master's Degree	0	4	4
Doctorate	0	0	0

Social Performance Indicators

RECRUITMENT AND EMPLOYEE TURNOVER – BY EMPLOYMENT TYPE		
Indicators	**Unit**	**2025**
White-Collar Employees Hired	person	8
Blue-Collar Employees Hired	person	7
Total Employees Hired	person	15
White-Collar Employees Leaving	person	12
Blue-Collar Employees Leaving	person	18
Total Employees Leaving	person	30

RECRUITMENT AND EMPLOYEE TURNOVER – BY GENDER		
Indicators	**Unit**	**2025**
Male – Hired	person	14
Male – Left	person	23
Female – Hired	person	1
Female – Left	person	7

RECRUITMENT AND EMPLOYEE TURNOVER – BY AGE GROUP			
Indicators	**Unit**	**Hired**	**Left**
18–30 Years	person	6	6
31–40 Years	person	4	9
41–50 Years	person	4	10
51–60 Years	person	1	5
Over 60 Years	person	0	0
Total	person	15	30

COLLECTIVE BARGAINING AGREEMENT COVERAGE		
Indicators	**Unit**	**2025**
Number of Employees Covered by Collective Bargaining Agreements	person	92
Percentage of Employees Covered by Collective Bargaining Agreements	%	77.96

TRAINING ACTIVITIES		
Indicators	**Unit**	**2025**
Vocational Development Training	hours	70

Governance Performance Indicators

R&D AND PRODUCT DEVELOPMENT INDICATORS	
Indicators	**2025**
R&D Employees	7
Number of New Products	9
Number of Improved Products	9

SUPPLIER NETWORK		
Indicators	**Unit**	**2025**
Number of Local Suppliers	number	311
Percentage of Local Suppliers	%	100
Number of Newly Engaged Suppliers / Subcontractors	number	225
Number of Suppliers / Subcontractors with Terminated Business Relationships	number	1

GRI Content Index

Statement of Use	Gedik Advanced Casting Technologies Industry and Trade Inc. has reported in accordance with the GRI Standards for the reporting period from 1 January to 31 December 2025.
GRI 1 Used	GRI 1: Foundation 2021

GRI STANDARD	DISCLOSURE	RELATED REPORT SECTION	PAGE
GENERAL DISCLOSURES			
GRI 2: General Disclosures 2021	GRI 2: 1. THE ORGANIZATION AND ITS REPORTING PRACTICES		
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	2-2 Entities included in the organization's sustainability reporting	About the Report	3
	2-3 Reporting period, frequency and contact point	About the Report	3
	2-4 Restatements of information	About the Report	3
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	GRI 2: 2. ACTIVITIES AND WORKERS		
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	2-7 Employees	Corporate Profile, Human Resources and Diversity	10, 57
	2-8 Workers who are not employees	Social Performance Indicators	76
	GRI 2: 3. GOVERNANCE		
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GRI Content Index

GRI STANDARD	DISCLOSURE	RELATED REPORT SECTION	PAGE
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GRI 2: General Disclosures 2021	2-12 Role of the highest governance body in overseeing the management of impacts	Board Structure and Competencies	17
	2-13 Delegation of responsibility for managing impacts	Board Structure and Competencies	17
	2-14 Role of the highest governance body in sustainability reporting	Sustainability Governance Structure	23
	2-15 Conflicts of interest	Business Ethics and Corporate Governance	18
	2-16 Communication of critical concerns	Board Structure and Competencies, Business Ethics and Corporate Governance	17, 18
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	2-18 Evaluation of the performance of the highest governance body	Corporate Governance Structure, Board Structure and Competencies	16, 17
	2-19 Remuneration policies	Human Resources and Diversity	57
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	GRI 2: 4. STRATEGY, POLICIES AND PRACTICES		
	2-22 Statement on sustainable development strategy	Sustainability Strategy	22
	2-23 Policy commitments	-	-
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