

**DENİZCİLER  
DÖKÜMCÜLÜK  
SUSTAINABILITY  
REPORT  
2022-2023**



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## About the report

- We present you the sustainability report of Denizciler Dökümcülük, a leading company in the production of Nodular and Gray Iron Castings.
- This report covers our approach for a Sustainable Future.
- Our Mindset includes environmental, social, and economic dimensions and activities.

**“In our report, we will highlight our efforts to reduce environmental impact, promote social responsibility, create economic value and ensure sustainability in our activities.”**

## Message from the Board

We believe that Sustainability is something all foundries should strive for. With this mindset, we have adopted the following fundamental principles as basis for our "Environmentally Friendly, Nature-Respecting, Sustainable " Foundry Operations .

- We are committed to promoting environmental sustainability and reducing our impact on the planet.
- We are committed to implementing zero – waste policy, which also includes energy and resource efficiency policies.
- We prioritize maintaining and improving air quality in our operations and surrounding communities. Annual controls and evaluations are carried to check how we comply with air quality regulations.
- We recognize the importance of soil health and conservation. We implement practices that protect soil quality, prevent erosion, promote sustainable land use, and support soil restoration efforts where applicable.
- We understand the impact of noise to the environment. We implement measures to minimize noise emissions from our operations and equipment, especially in sensitive areas.
- We adopt and implement employee centered organizational culture and human resources management approach that embraces Diversity and Human Rights.

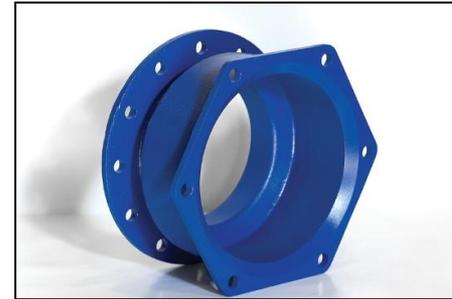
## About Denizciler

Denizciler Dökümcülük San. Ve Tic A.Ş. was established in 1978 in Izmir. With over 40 years of experience, we produce high-quality gray and ductile iron cast parts. The produced parts are mainly used in the machinery industry, water and hydraulic pumps, construction sector, and agricultural machinery. Our aim is to meet casting needs with high product quality and customer satisfaction.

Since its establishment, the company has been growing by continuous investments and improvements to meet increasing customer demands and provide high quality services.

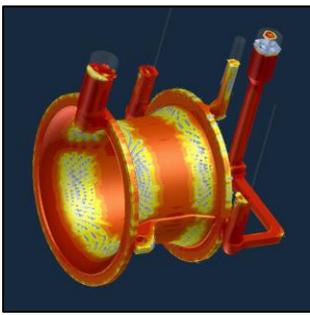
As Denizciler Dökümcülük San. Ve Tic. A.Ş., we strive to carry our production activities with sustainability principles, aiming to achieve the highest employee and customer satisfaction with quality principles. We progress with Production, Sales, Quality, Human Resources, Environment, Occupational Health and Safety, Corporate Social Responsibility, and Sustainability Policies, adding value to all business partners in the field we operate.

## Our Products

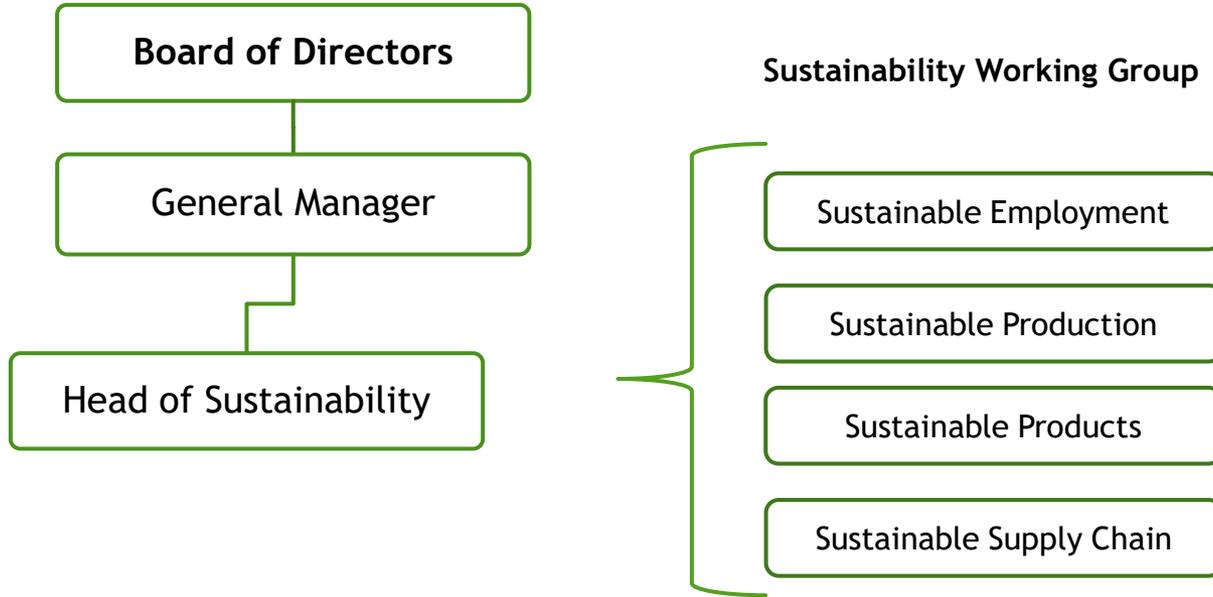


“Our casting products are mainly used in the machinery industry, water and hydraulic pumps, construction sector and agricultural machinery.”

# Our Process



## Our Team



### Sustainability Topics

- \* Energy Management
- \* Emissions Management
- \* Water Management
- \* Waste Management
- \* Raw and Other Materials Management
- \* Occupational Health and Safety
- \* Employment
- \* Equal Opportunity and Diversity
- \* Human Rights
- \* Training and Development
- \* Business Ethics (compliance and Anti Corruption)
- \* Sustainable Growth
- \* Modernization and Innovation

## Our Team

Our performance in sustainability is owned by Board of Directors level as our highest executive authority. The Board of Directors takes the sustainability principles and the environmental, social and economic impacts of the company activities into account when defining its corporate governance strategy.

Our targets for sustainability issues, which we review every year, are determined by the Head of Sustainability and renewed when necessary. Reporting to the Board of Directors, our General Manager, the Head of Sustainability outline the company's priority environmental, social and governance (ESG) topics, risks and opportunities and create the policies accordingly.

## Highlights in 2024

Casting process is an extremely energy-intensive operation.

In 2022 -2023 we have taken measures to promote sustainability in our manufacturing operations to save energy as well as minimizing other resources use.

- We invested in a new Disa Molding line to enable sustainable casting process that uses minimum amount of resources and reliably produces the highest quality castings at the first attempt, without scrap. Additionally, this machine has a smaller hydraulic unit which saves energy.



- We invested in a new Disa Monitizer CIM digital tool for constantly optimizing process parameters to reduce casting defects and scrap.

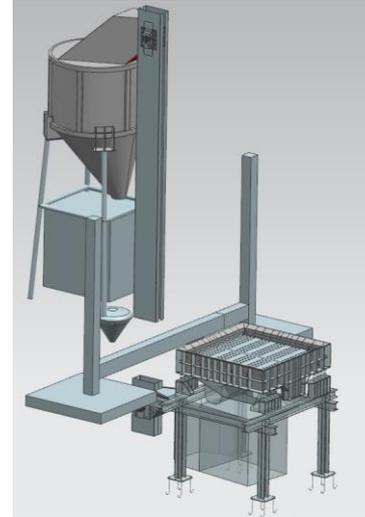


**Monitizer|CIM**

Using Monitizer® | CIM, individual foundries can collect data across multiple machines, then visualise it to understand their processes and inform improvements.

## Highlights in 2024

- We installed continuous furnace charging conveyors to minimize the heat loss from furnaces and save energy.
- We installed a new shake out and sand regeneration system for making sand process circular and sustainable.
- We invested in CNC Core making machines, CNC Vertical Machining Centers, CNC Grinding Machines to modernize core making, mold making and grinding processes to save time and energy.



## Highlights in 2024

- We invested in new offices, buildings and additionally infrastructure for improving lighting technology and insulation.
- We planted trees and invested in gardening for more eco friendly operation site.
- Due to the continued very high proportion of mobile work and the virtual execution of conferences and meetings, we have been able to keep the number of business trips and journeys to the workplaces.



“In 2024, we will continue our energy management, sustainability, automation, and efficiency activities with new investments and focus on commissioning our new projects.”

## Highlights in 2022 - 2023

KPIs	2020	2021	2022	2023	2024
Gross Production (tons)	13.299	17.971	19.384	15.575	13.608
Net Production (tons)	8.294	10.836	11.634	9.552	8.429
Scrap Recycled (tons)	8.496	10.230	10.896	8.766	7.811
Sand Waste (tons)	2.646,50	7.299,14	8.013,42	3.491,77	6.077,73
Coolant Oil (tons)	1,65	3,27	3,99	4,63	1,79
Hydraulic Oils (tons)	1,60	0,00	2,23	2,58	0,48
Contaminated Wastes (tons)	23,00	15,72	28,25	25,32	21,03
Waste Electronic components (tons)	1,29	0,46	1,44	0,28	0,23
Medical Waste (tons)	0,02	0,01	0,01	0,01	0,00
Florecent Lamp Waste (tons)	0,18	0,21	0,32	0,07	0,10
Water Consumption (m3)	24.633,00	26.238,00	27.718,00	31.795,00	31.672,00
Total Energy Consumption (kW)	19.962.501	24.567.575	24.957.410	21.370.818	18.808.806,
Hazardous Wastes (Mtons)	28,25	20,39	36,98	34,62	25,84
Non- Hazardous Wastes (Mtons)	2.880,22	7.326,40	8.013,42	4.670,69	6.533,91
Total Wastes (Mtons)	2.908,46	7.346,79	8.050,40	4.705,31	6.559,75
Customer Health and Safety Incidents	0,00	0,00	0,00	0,00	0,00
Product recalls	0,00	0,00	0,00	0,00	0,00

## Highlights in 2022 - 2023

CBAM REPORT		SEE (direct)	SEE (indirect)	SEE (total)	Unit
	Production process from which the products arise				
<b>Q4-2023Summary</b>	iron / steel products	0,043	0,842	0,885	tCO2e/t
<b>Q1-2024Summary</b>	Iron or steel products	0,050	0,677	0,728	tCO2e/t

## Corporate

To ensure a successful and sustainable production, Denizciler relies on its employees and especially women labor. We believe that gender equality is a powerful enabler for economic and corporate success.

YEAR	Women Employed	Men Employed	% of Women at Top Management	% of Women at Organization Board
2023	14	193	33%	40%

Strategy and Management

People and Culture

Environment and Animal Rights

Social Responsibility

Leadership



## Strategy and Management

Our Sustainability strategy is based on the following major principles.



## People and Culture

Denizciler Dökümcülük adopts a participatory, egalitarian, value-creating, and continuous improvement-oriented human resources management approach that embraces **Diversity and Human Rights**. The aim of the policy is to promote a corporate culture that is dynamic, aiming for sustainable success, innovative, and fosters a culture of learning together while maintaining the institution's dynamic structure.

We prioritize creating a work environment that contributes to economic, social, and environmental sustainability by keeping human focus and ethical values at the forefront in everything we do and every step we take.

Human Resources management is responsible for supporting the achievement of company goals within an effective organizational structure that enhances employee performance by creating a dynamic, open environment for development and aligning corporate goals with individual goals. Human Resources practices are shaped by the goal of creating a motivated workforce profile supported by training to facilitate multifaceted idea generation.

Denizciler is committed to upholding human rights, preventing modern slavery, promoting freedom of association and collective bargaining, respecting the rights of minorities and indigenous peoples, protecting land, forest, and water rights, and ensuring ethical practices in security arrangements.

Our company prohibits any form of modern slavery, forced labor, child labor, human trafficking, discrimination, harassment, or any violation of fundamental human rights within its operations and supply chain.

For disabled or minority group, we assign a body - man to take care of the labor at all times. All rights and benefits for minority and indigenous people are reserved. We have equal work conditions for all regardless of gender, color, ethnic group or disability level.

## People and Culture

At Denizciler Dökümcülük, **Internal Social Activities** and events are organized for company employees by the Human Resources department. The participation of the Board of Directors and all managers is important for these activities. Internal communication within the company, as well as increasing employee motivation and interdepartmental coordination are the objectives for planning and organizing these events.

Events such as New Year's Dinner, Target Celebration Dinners, International Women's Day on March 8th, Birthday celebrations, and other special occasions are organized to provide an enjoyable time for employees to come together.



## People and Culture

At Denizciler Dökümcülük we have Suggestion- Complaint System, Kaizen Projects and Reward system.



### Suggestion-Complaint

To ensure that all level of employees at Denizciler Dökümcülük and contractors or suppliers can add value to our Company.



### Kaizen System

To create an environment for employees to solve problems



### Reward System

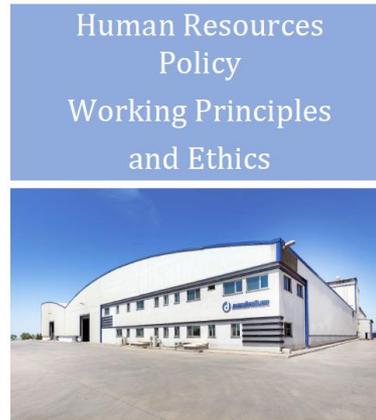
To ensure that benefits provided by the suggestion and Kaizen system can be shared with the employees



## Compliance Ethics and Integrity

“The Code of Business Ethics that regulates Denizciler Dökümcülük relationships with its customers, employees, suppliers, business partners, competitors, the environment and society cover four main topics: obligations, integrity, confidentiality and conflict of interest.”

“Denizciler Human Resources Policy Working Principles and Ethics, which is revised in January 2023, is available in the languages we operate (Turkish and English).”



# Compliance Ethics and Integrity

Denizciler Honeycomb structure



## Environment Management and Animal Rights

Over the years, Denizciler Dökümcülük has planted more than 800 trees and 10.000 flowers around the factory area. We love nature and we support natural habitat. Our environmental policy covers energy efficiency, water consumption and management, air quality, responsible chemical management, sustainable resources management and waste reduction.



**Certificate of Registration**

This certificate has been awarded to

**DENİZCİLER DÖKÜMCÜLÜK SAN. VE TIC. A.Ş.**  
ÇORAKLAR MAHALESİ 5012 SOKAK NO:39 ALIĞA ORGANİZE BÖLGESİ  
ALIĞA/İZMİR, Turkey

in recognition of the organization's Environmental Management System which complies with

**ISO 14001:2015**

The scope of activities covered by this certificate is defined below  
**Ductile and Gray Cast Iron and Pattern Production**

Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
07 April 2023	2	06 April 2026	2
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
13 March 2023	0	07 April 2020	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/legis-and-regulations>

Issued by: Mukesh Singhal - On behalf of the Schemes Manager

## Environment Management and Animal Rights

We prioritize human health, environmental rights and animal rights in our production and investment programs. We use effective environmental management practices and continuous improvement of environmental performance criteria as our policy in all activities.

We are committed to upholding high standards of animal welfare in our operations. We ensure that animal-related activities adhere to ethical practices, humane treatment, and relevant regulations.

We recognize the importance of soil health and conservation. We implement practices that, protect soil quality, prevent erosion, promote sustainable land use, and support soil restoration efforts where applicable.



## Social Responsibility

“Denizciler Dökümcülük supports a number of students studying bachelor’s degree. Our company takes responsibility for supplying materials and equipment in addition to the scholarship provided to the children of employees.”

“Denizciler Dökümcülük also takes responsibility for any social life needs near our industrial area, we support Police and Gendarme forces with material.”

“We are working for a Sustainable Future for our youth, our employees and we care about nature and social life.”



## Carbon Footprint

In Q4 - 2023 we implemented Carbon Mechanism to calculate and track our Carbon footprint.



## Circular Economy – Recycling

Circular Economy and Recycling is an integral part of our Manufacturing Process. We prioritize using Scrap Iron and Steel in our production.



### Circular Economy Benefits

- Reduced Demand on Raw Materials
- Reduced Carbon Emissions
- Aspire to lower waste
- Efficiency
- Energy Saving

“We should all care about the circular economy and support its sustainable development goals.”

## Responsibilities

Metals recycling plays a pivotal role in the transition towards a more sustainable and circular economy.

Recycling conserves resources, reduces energy consumption, and mitigates environmental impacts.

Our responsibility includes building a sustainable, environmentally friendly working environment which also cares about labor and social life.

We prioritize the environment and human health in our projects and investment programs.

The management team and executives of Denizciler Dökümcülük A.Ş. are responsible for implementing Sustainability Targets, ensuring the continuity of the environmental management system, and improving our performance in all areas to enhance the company's reputation in the public eye.

All employees of Denizciler Dökümcülük A.Ş. are responsible for protecting the environment, contributing to and improving the environmental management system with the principle of continuous improvement.

Our target is to integrate Quality, Occupational Health and Safety and Behavioral Rules Standards and Operating Principles along with Environmental standards in our overall operations.

We must implement continuous review and inspection programs including environmental monitoring, human resources and investment programs within the scope of Sustainability management.



## DENİZCİLER DÖKÜMCÜLÜK

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Aliğa - İZMİR

[www.denizcast.com](http://www.denizcast.com)

