



SUSTAINABILITY REPORT 2023

VANELLI





We would like to share with you the excitement we feel for our first sustainability report detailing our environmental, social and economic impacts.

As Vanelli Textile, a pioneer in the industry, we have made sustainability our main responsibility. Sustainability is among the main factors that shape our business strategies.

We have expanded our targets day by day and constantly improved our roadmap by keeping the well-being of the planet, the environment and people in mind. We have focused on a sustainable future by carrying out all our operational processes with the effort to achieve a better tomorrow than yesterday.

As Vanelli, we will continue to create sustainable value for the future with the strength we derive from the trust our stakeholders place in us.

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— Introduction

— About The Report

As Vanelli Textile, we are delighted to publish our first sustainability report prepared with an integrated perspective.

In our report, we present to our stakeholders our integrated management system, strategies, practices, targets, and progress in environmental, social, governance and financial aspects in 2023.

Our report includes the requirements of the United Nations Global Compact (UNGC) as well as our contributions to the "2030 Agenda and the Sustainable Development Goals" released by the UN.

Our sustainability report was prepared in accordance with the "Core" option of the Global Reporting Initiative (GRI) Standards, and the reporting period was designated as 01/01/2023-31/12/2023.

The reporting interval was determined as one year and the activities in Vanelli Textile's production facilities located in Bursa Organized Industrial Zone were covered in the report.



United Nations
Global Compact



**Chairman of the
Board of Directors**
Erol Türkün

Management's Message

GRI 2-23

As Vanelli Tekstil, we are pleased to share with you our sustainability report prepared with a transparent perspective. In this report, I would like to detail the progress we have made and the strategies we have implemented in environmental, social, managerial and financial areas throughout 2023, while clearly addressing the challenges we face along with our future goals.

2023 was a challenging year for all of us. Global economic volatility, inflation and supply chain challenges added to the pressure. As financial growth slowed, we continued to invest in our sustainability initiatives and remained unwavering in our commitment to always do what is best for all our stakeholders and the environment. Every challenge we have faced has taught us important lessons. We have made significant progress in managing our resources more efficiently, controlling raw material purchases and inventory management, and transitioning to lean production. Our investments in R&D and innovation have been reciprocated by our customers, and we are proud to see this innovative approach come to fruition. Once again, Vanelli proved that it is a company that is both creative and respectful to the environment and responsible production.

We continued our efforts in line with our goals of saving energy use and reducing carbon emissions. Thanks to our teams focusing on carbon reduction and sustainability issues among our different departments, we increased our company awareness and started to transfer this awareness to our stakeholders in our supply chain. In addition, we continue our digitalization efforts for supply chain transparency, which we started in 2022. As Vanelli Tekstil, we know that we have a long way to go in the field of sustainability, and we will never be satisfied with the current situation and will continue to work to achieve better.

While we are developing, the world is becoming more informed and deeper in this process and as a company, we try to follow these developments closely. We have full confidence in our team and our products, and our commitment to future growth and development is stronger than ever.

In this process, we are developing with our customers and our collaborative work with you contributes us more and more every day. We plan our future with all your comments. On behalf of my team, I would like to thank you for your support and encouragement on this journey.

— HIGHLIGHTS IN 2023

GRI 2-18



FEMALE EMPLOYEE RATIO



NEW CUSTOMERS



MEMBERSHIP APPLICATION



RESULT OF AUDIT



SEDEX MEMBER



100% BCI COTTON USE

— HIGHLIGHTS IN 2023



SUSTAINABLE CHEMICAL
MANAGEMENT



EDUCATION PER CAPITA



STAFF TURNOVER RATE



ELECTRICITY
SAVINGS RATE



NATURAL GAS
SAVINGS RAT



— HIGHLIGHTS IN 2023

We are taking steps towards an environmentally friendly future with the awareness of our responsibility towards the environment.

As part of these efforts, the Environment Newspaper is a platform that addresses innovations, sustainable production methods and environmentally friendly practices in the textile industry. Our aim is to strive for a greener and fairer world by acting together with our stakeholders.

With our Environment Newspaper, which we publish regularly every month, we share the stories of our products that we manufacture with sustainability awareness, as well as sustainability projects and innovations in our sector.

For an environmentally conscious, sustainable future!



United Nations Global Compact

Vanelli completed its membership procedures to the United Nations Global Compact in 2023. In this way, we have taken our place among the 504 Turkish companies that are members of the United Nations Global Compact.

The Global Compact, which companies voluntarily adopt within the framework of social responsibility awareness, consists of 10 principles on human rights, working conditions, environment and corruption.

Vanelli demonstrates its sensitivity to social and environmental issues on a global scale with the United Nations Global Compact, of which it is a member in line with its awareness of environmental and other issues

amfori @ BSCI

We successfully underwent BSCI social compliance audits, which encourage businesses to comply with certain standards to protect the rights, occupational health and safety, working hours and wages of employees in the supply chain.

Sedex

On the other hand, we obtained SEDEX certification, the standard for assessing compliance in supply chain management and social responsibility.

— HIGHLIGHTS IN 2023



— HIGHLIGHTS IN 2023



In 2022 and 2023, all of the electricity we consumed in production and office environment was provided from I-Rec Certified renewable energy. In 2024, work will be initiated to install solar panels on the roof of the administrative building. With the GES system to be installed after the selection of suitable land, we aim to contribute to our country by producing renewable energy that exceeds our own consumption.

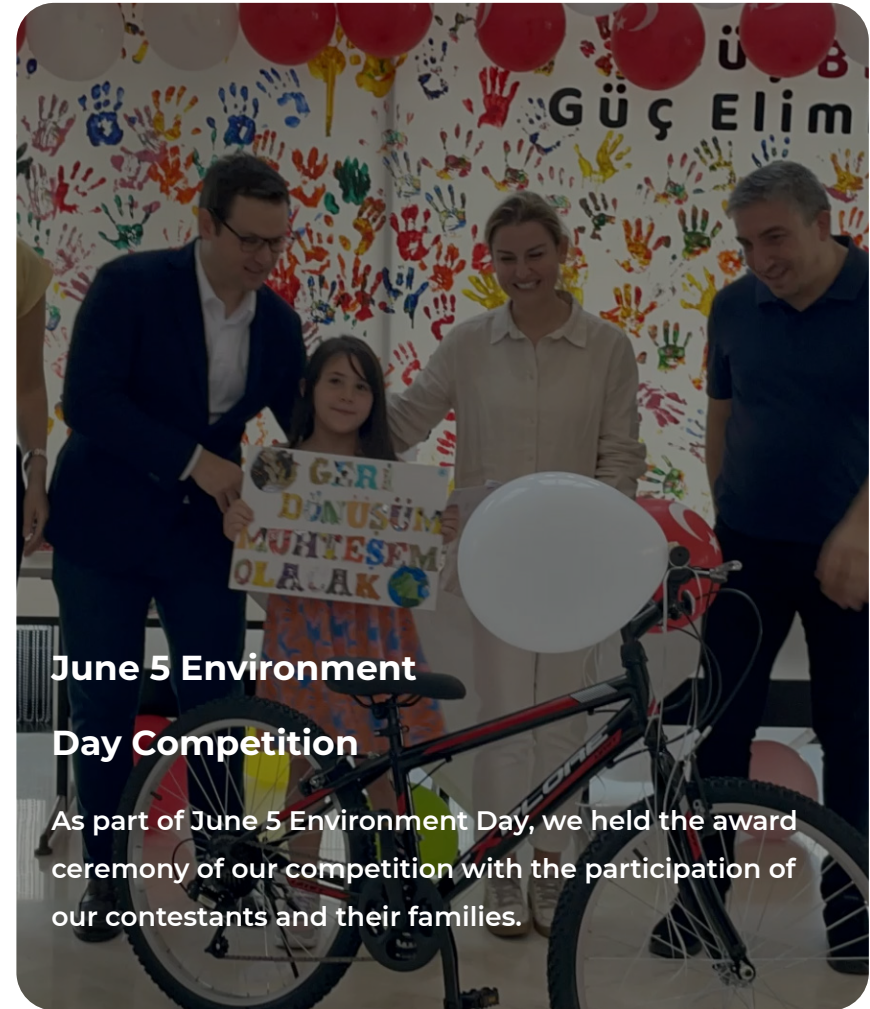
— OUR AWARDS and ACHIEVEMENTS



Environmentally Responsible Industrial Facility Competition

In the Environmentally Responsible Industrial Facility Competition organized by BOSB, we received an award following the evaluation made according to the sustainability requirements in environmental factors such as Waste Management, Chemical Management, Wastewater Management, Air and Soil Pollution.

— OUR AWARDS and ACHIEVEMENTS





We work to maintain our high standards and to meet our customers' expectations.

— OUR SUSTAINABILITY FOCAL POINTS

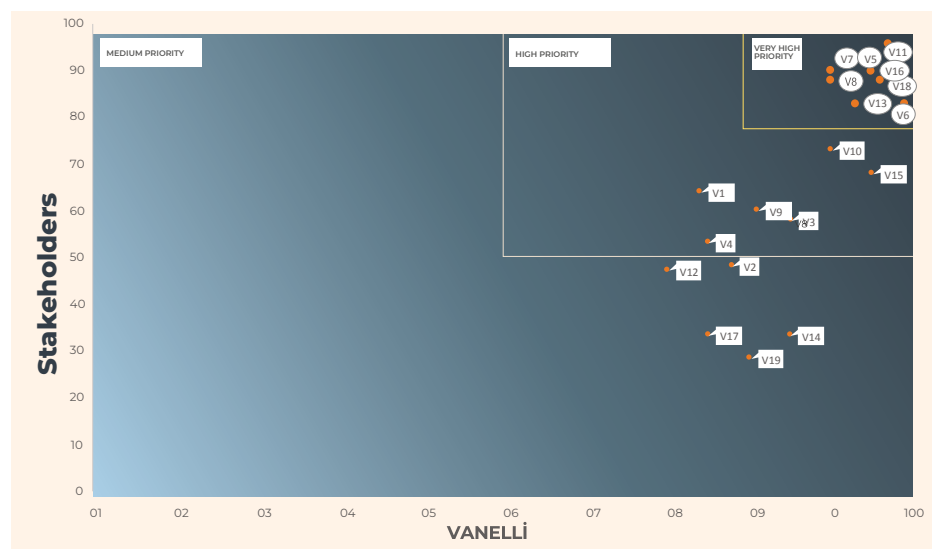
Materiality	GRI Code	Topics	SUSTAINABLE DEVELOPMENT GOALS	01 PEOPLE	02 ENERGY	03 GOOD HEALTH AND WELL-BEING	04 QUALITY EDUCATION	05 GENDER EQUALITY	06 CLEAN WATER AND SANITATION	07 AFFORDABLE AND CLEAN ENERGY	08 DECENT WORK AND ECONOMIC GROWTH	09 INDUSTRIAL INNOVATION AND INFRASTRUCTURE	10 REDUCED INEQUALITIES	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	13 CLIMATE ACTION	14 LIFE BELOW WATER	15 LIFE ON LAND	16 PEACE, JUSTICE AND STRONG INSTITUTIONS	17 PARTNERSHIPS FOR THE GOALS	
	GRI 306	Waste Management	United Nations Global Compact			✓											✓				
	GRI 401, 405	Gender and Equal Opportunity	United Nations Global Compact					✓			✓		✓								
	GRI 404	Employee Development and Satisfaction	United Nations Global Compact				✓	✓			✓		✓								
	GRI 201	Digital Transformation	United Nations Global Compact									✓		✓	✓						
	GRI 302	Energy Management	United Nations Global Compact							✓	✓			✓	✓						
	GRI 205	Ethical Values, Compliance with Laws	United Nations Global Compact					✓			✓		✓						✓	✓	
	GRI 302	Climate Change and the Environment	United Nations Global Compact						✓	✓	✓	✓		✓	✓	✓	✓	✓			
	GRI 201	Business Continuity	United Nations Global Compact								✓			✓					✓		
	GRI 403	Occupational Health and Safety	United Nations Global Compact											✓	✓						
	GRI 302	Management of Chemicals	United Nations Global Compact						✓					✓	✓	✓	✓	✓			
	GRI 416 417	Customer Satisfaction	United Nations Global Compact								✓				✓				✓		
	GRI 308, 414	Sectorial Collaborations	United Nations Global Compact								✓				✓						
	GRI 303	Water Efficiency	United Nations Global Compact						✓					✓	✓		✓				
	GRI 201-4	Design, Product Development	United Nations Global Compact								✓	✓			✓						
	GRI 204, 308, 414	Sustainable Supply Chain Management	United Nations Global Compact								✓			✓	✓				✓		
	GRI 203	Social Responsibility	United Nations Global Compact	✓	✓	✓	✓	✓					✓								
	GRI 416, 417	Social Compliance	United Nations Global Compact								✓	✓		✓	✓				✓		
	GRI 416, 417	Product Quality and Safety	United Nations Global Compact								✓	✓			✓						
	GRI 418	Data Security	United Nations Global Compact																		

Medium-priority topics High-priority topics Very high-priority topics

Economy Environment Social

— MATERIALITY ASSESSMENT ANALYSIS

In determining our priorities for sustainability reporting, we used a two-way materiality assessment analysis. With this assessment method, both the impact of Vanelli's activities on environmental and social capitals and the impact of these capitals on Vanelli's activities were determined in a two-way manner. As a result of the assessment, the topics are given below according to their priority categories.



VERY HIGH PRIORITY

V5 Energy Management
 V6 Ethical Values, Compliance with Laws
 V7 Climate Change and Environment
 V8 Business Continuity
 V11 Customer Satisfaction
 V13 Social Compliance
 V16 Design, Product Development
 V18 Product Quality and Safety

HIGH PRIORITY

V1 Waste Management
 V3 Employee Development and Satisfaction
 V4 Digital Transformation
 V9 Occupational Health and Safety
 V10 Chemicals Management
 V15 Sustainable Supply Chain Management

MEDIUM PRIORITY

V2 Gender and Equal Opportunity
 V12 Sectoral Collaborations
 V14 Water Efficiency
 V17 Social Responsibility
 V19 Data Security

—DESIGNING THE FUTURE

Our Sustainable Development-Oriented Business Approach

Observing the needs of society and future generations in the name of sustainability, VANELLI attaches importance to management with a sustainable strategy in an ever-changing competitive environment.

As VANELLI, we adopt and implement the principle of determining and managing our strategic goals and presenting them with a systematic approach within the scope of management systems. Our strategic planning model is detailed below.

INTERNAL ENVIRONMENTAL ANALYSIS

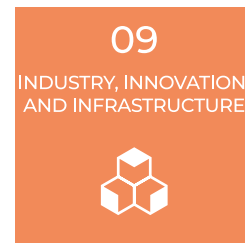
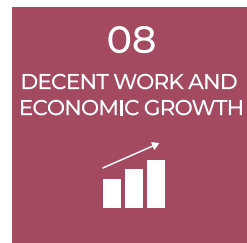
It is the basis for determining the strategies to be followed and the targets to be realized by Vanelli. It includes the identification and evaluation of STRENGTHS and WEAKNESSES by examining the conditions and trends that may affect the current situation and future, arising from the internal environment and that can be controlled.

EXTERNAL ENVIRONMENTAL ANALYSIS

The elements that make up the external environment (population, demographic structure, geographical area, urban development, sociocultural life, economic, social, political, cultural, environmental, technological and competitive factors, etc.) are subject to conditions beyond Vanelli's control and have different trends, directly or indirectly affecting its fields of activity.

— Our Sustainable
Development-Oriented
Business Approach

SUSTAINABILITY FOCAL POINTS



United Nations
Global Compact

Principle 3 - 4 - 5 - 6 - 8 - 7 - 9

— STAKEHOLDER MANAGEMENT

By identifying the views and expectations of our stakeholders through stakeholder analysis, we identify the factors that may hinder the organization's activities and develop strategies to eliminate these factors. At the same time, by incorporating stakeholder feedback into the strategic planning process, we aim to ensure that the plan is owned by stakeholders and increases the chance of its implementation.

While developing collaborations in line with the win-win principle, we support our corporate development thanks to the knowledge and experience gained in this process. Vanelli has been Türkiye's first Design Center since 2016 and continues to contribute to the industry with innovative technologies. We also encourage the production of new knowledge by supporting the academic careers of R&D and Design engineers and aim to produce creative, quality products that can meet the needs of the world.



Vanelli continuously increases the number of innovative product projects by enhancing the competencies of its R&D & Design Center employees. In response to evolving technology and industry demands, the company launches an average of 15 new projects each year and focuses on the production of value-added, sustainable products (e.g. acoustic fabrics and sustainability projects).

In addition, the Vanelli Design Center prepares regular annual activity reports. Within the scope of R&D collaborations, GRS and Lenzing certified projects have been transformed into scientific studies by cooperating with suppliers of sustainable raw materials, and these studies have been submitted to national and international refereed journals.

NGO & Institutional Collaborations:

Adopting the principle of acting in accordance with the changing dynamics of the world, Vanelli prioritizes innovation and value creation in every field, and aims to internalize this approach in the best way possible for all employees. With this understanding, the "Project Idea Workshop" was launched with the participation of Vanelli employees in order to add value to our country and the company and to help creative and innovative ideas come to light. The innovative ideas and projects that emerge as a result of the Project Idea Workshop are comprehensively evaluated and successful ones are rewarded.

As Vanelli, we have collaborated with various unions and NGOs on training and project issues. In this context, we carried out the UTİB - (Techxtile) BOSİAD- (Generation Z Project - Vocational High Schools Field Introduction project. On the other hand, we took important steps in terms of focusing on ecological transformation by participating in the "Ecological Textiles Development of International Competitiveness Project" together with UIB and the Ministry of Trade. Under the same cooperation, we created our infrastructure for corporate carbon footprint and net zero carbon target.

Joint projects were developed with Bursa Uludağ University, Pamukkale University, Finland Aalto University and Mimar Sinan Fine Arts University.

Within the scope of sustainability efforts, the "Education and Industry Hand in Hand" project was realized. Within the scope of this project,

Waste Reuse: This project, carried out jointly with educational institutions, is also an upcycling project. Instead of disposing of the textile wastes generated during production, new areas of use have been created to be reused.

Contribution to Education/Skilled Labor Support: Instead of purchasing the materials required for practical trainings, economic savings were achieved by utilizing waste materials. In addition, by providing materials to students with limited opportunities, support was provided for qualified education and qualified labor force.

Different Products/Raising Awareness: Waste materials triggered creativity by meeting new ideas, transformed into products such as cushions, table linens and bags at the vocational high school, and turned into works of art with the combination of fabric and paint at the University of Fine Arts. In this way, awareness of the concept of sustainability was raised in the society.

Supplier Collaborations

Within the scope of sustainability efforts, we also carried out collaborations with domestic and foreign suppliers. We started our portal membership with the VANELLİ brand with Lenzing product certification. We developed flame retardant yarn projects with our Trevira supplier, which is the industry leader and also a Gold Member, and we obtained certification for our products.



Collaborations for Employees

At Vanelli, many sustainable cooperation projects are carried out for employees, one of the most important elements of the value chain. As an example of these projects, we have a solution partnership to present the customized design products made by our students who receive special education at Nilüfer Business School with their handicrafts during the award processes (gifts, farewell organizations) we carry out within our company.

On the other hand, we also cooperate with a private hospital to protect and improve the health of our employees. In this context, we bring our colleagues together with a Dietician and an Expert Psychologist on a weekly basis.

— RISK MANAGEMENT

Risks and opportunities arising from relevant parties and processes or external processes related to Vanelli Textile's activities have been identified and action plans have been created.

In accordance with our Integrated Management System, we implement the necessary preventive measures to improve quality, increase and maintain energy efficiency and energy performance with a risk-oriented process management approach. In this direction, we determine the ways and methods to reduce all kinds of hazards and health risks arising from working conditions in the workspaces by raising awareness before the realization of the risk, to reduce them to a level that does not affect human health, to determine occupational accidents, all kinds of occupational disease health risks, to decide what the hazards in the workplace may be as a result of risk assessment, to quickly evaluate the probability of accidents and the size / magnitude of possible accidents and the measures taken / to be taken.

Risk and Opportunity Management

Our Risk and Opportunity Management carried out during the Organizational Context, Relevant Parties and Quality Management System installation/update phase. We perform SWOT (Strengths, Weaknesses, Opportunities and Threats) analysis method for the risks and opportunities in this process. As a result of SWOT analysis, risks and opportunities regarding the establishment of Quality Management System processes and compliance with company objectives are determined and risks and opportunities are monitored with the Business Plan and Target Monitoring Charts method, and we ensure the integrity of purpose and effectiveness management between the context of our organization and the processes of our Management System. On the other hand, we review and update our context and related Risk-Opportunities through Management Review meetings at certain intervals.

Our Risk and Opportunity Management for Management System processes;

Our Risk and Opportunity Management related to the Management System processes is carried out using the Risk Analysis and Activity Plan and Opportunity Analysis and Activity Plan referred to in the process map related to the authorization and coordination of each process owner.

The process is shaped by the process owners evaluating the emerging risks and opportunities and entering and updating the relevant plan. On the other hand, it is ensured that the Risk - Opportunities related to the processes are reviewed and updated at appropriate intervals and at Management Review meetings.

Our Risk and Opportunity Management for Environmental Management System processes;

Risk and opportunity management related to Environmental Management System processes is carried out by using the Risk Analysis and Action Plan and Opportunity Analysis and Action Plan referred to in the process map related to the authority and coordination of each process owner. As a result of the assessment, process owners evaluate the environmental risks and opportunities that arise and take action for high risks. Identified risks and opportunities are reviewed periodically and kept up to date. The studies carried out are evaluated at Management Review meetings.

Our Risk and Opportunity Management for Energy Management System processes;

Risk identification studies related to energy management are carried out in all processes affecting energy performance. In this context, by using SWOT analysis, each hazard is handled separately and possible risks are identified. An identified hazard may have at least one and more than one risk. In the determination of hazards and risks; the effects that may occur under the main topics such as disruptions in the Energy Management System, the methods, tools and equipment used, and the implementation of instructions, etc. are taken into consideration. On the other hand, after all possible risks are identified, additional measures are developed by determining the measures to be applied in order to prevent risks and not to cause nonconformities in terms of the Energy Management System.

— SUSTAINABLE DESIGN

In 2023, we procured 10% of the yarn purchased, which is the main raw material of our production, from recycled yarn.

We adopt a holistic approach across the product lifecycle and value chain, incorporating sustainability into every stage of the design process. We attach great importance to the efficiency of resource use, production systems and processes to minimize environmental impacts.

We produce more sustainable products by prioritizing natural and recyclable materials, reducing the use of natural resources and eliminating unnecessary parts in our designs.

We simplify our processes and combine similar processes by focusing on system optimization. We put design at the center of our sustainability approach with the goal of long-term sustainability, self-sufficiency and minimum waste generation.





We aim to enrich people's lives by developing high quality products. Our products reflect our commitment to color, quality, simplicity and innovation, while continuously improving the aesthetic, technological and functional properties of textiles.

Together with 30 designers and engineers in our design studio in Bursa, we create products with high visual quality, functionality and added value.

Drawing on many years of experience and closely following fashion trends, we strive to meet customer demands in the best possible way. With our open approach to design and collaboration, we are constantly innovating and focusing on development.

— SUSTAINABLE PRODUCTION

Based on the principle of sustainable production, we maintain an environmentally, socially and economically balanced and long-term production process.

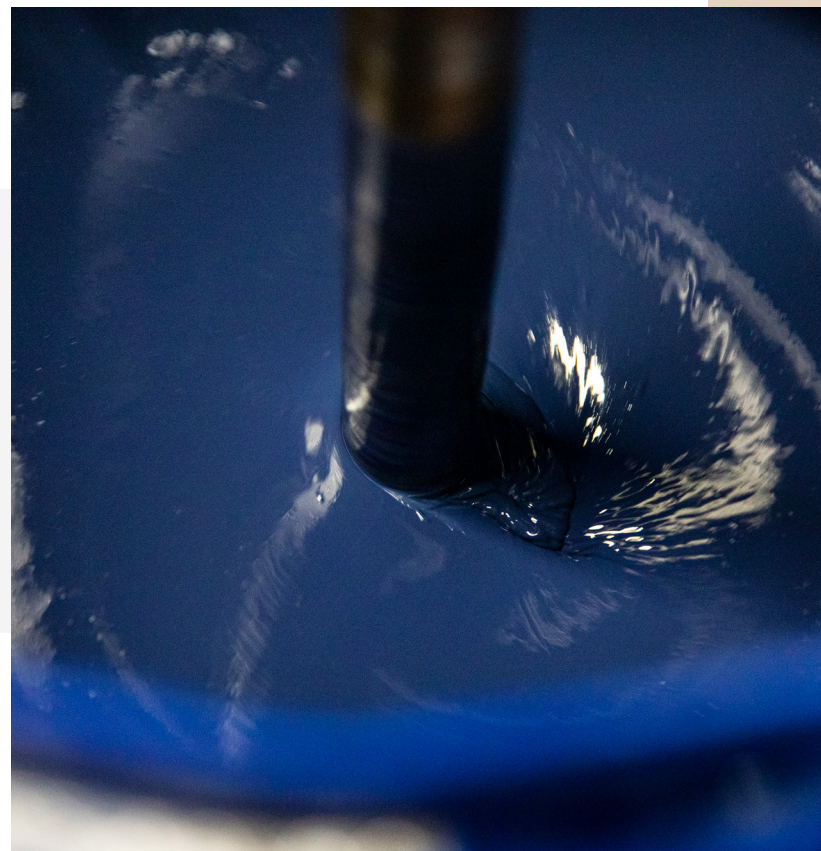
In this context, we strive to prevent the generation of any waste that may occur during the production phase, while at the same time increasing the efficiency of our resources, preventing environmental degradation, improving the quality of our products and promoting a sustainable structure.



— SUSTAINABLE PRODUCTION

We have a capacity of 175,000 kg/month with a total of 10 yarn dyeing machines. With our state-of-the-art dyeing machine park, we can dye at capacities from 2 kg to 400 kg. Our company can dye cotton, linen, polyester, fr polyester, acrylic and their blends. Dyeing processes are managed by state-of-the-art automation systems and all chemicals and dyes are automatically dosed into the dyeing machines.

175.000kg/ay Capacity of
Dyeing



162 Weaving Looms

400.000m Weaving Capacity

We process the yarn into finished fabric. With 162 weaving looms and high-tech weaving machines with a weaving capacity of 400,000 m, we have one of the most advanced factories in the world.

From yarn to fabric, we have an unrivaled production competence. We love what we do, creating interior experiences through fabrics. By creating our own yarns and colors, we can offer an extensive yarn library.





A monthly printing capacity of 200,000 to 250,000 meters with our large printing machines, our operation can apply digital printing on polyester with devore (burning), disperse pigment, reactive and foil printing and various techniques for wide and narrow width fabrics.

With a monthly capacity of 100,000 meters, our digitalization continues with digital pigment printing and 5 transfer sublimation printing on mixed backgrounds on fabrics from 330 centimeters to 150 centimeters.

We have various printing surfaces from light fabrics to heavy drapery fabrics and upholstery fabrics with cotton, linen, polyester, fr, trevira cs and recycled fabrics.

250.000mt Printing
Capacity

With our monthly capacity of 2,000,000 meters, we can finish all kinds of fabrics from 150 centimeters to 340 centimeters. In addition to these machines, we can finish all kinds of fabrics with our Küsters wide width fabric washing machines.

With our advanced machines, we can do many different finishes such as cutting, brushing, coating, hot ironing, calender, sanforizing, crush, biancalani, stonewash and plissé. We can also apply stain resistant, flame retardant, anti-microbial and many other coatings.

2.000.000 mt

We can finish all kinds of fabrics
from 150-340 centimeters.



— LEAN 24

As Vanelli, our priority is to ensure customer satisfaction within a sustainable framework. We are aware that this satisfaction can only be achieved by analyzing customer needs and expectations correctly. For this purpose, we launched the Lean 24 project in August 2023, which is a stock leaning initiative for faster service to our customers.

Lean 24 has become a company transformation project in which all departments take the initiative, including the supply chain, inventory management, product design, sales, quality, planning, pricing and the digital system.

Within the scope of Lean 24, the stocks in our inventory were reviewed and re-categorized. In this context, on the basis of the total main code yarn in our stock, 32% of it was classified as actively usable, 42% as to be eliminated from the stock and 26% as other. On the basis of yarn color, 26% of it was classified as actively usable, 27% as to be eliminated on the basis of color and 47% as other. In addition, 46% of the unused yarns in the stock were used up in the first 6 months with this project. Our aim is to eliminate the waste stock within 5 years.

With a sustainable stock, we will reach our sustainable stock target by offering the right product at the right price to the customer and managing the after-sales service well.

The Lean 24 project has become an indispensable element of the company culture as a living organism of Vanelli.

— SUSTAINABLE PROCUREMENT MANAGEMENT

Vanelli Textile aims to reduce environmental and social impacts and promote sustainability principles throughout its supply chain. Within the scope of sustainable supply management, we take into account sustainability criteria in supplier selection, evaluation, training and performance monitoring processes.

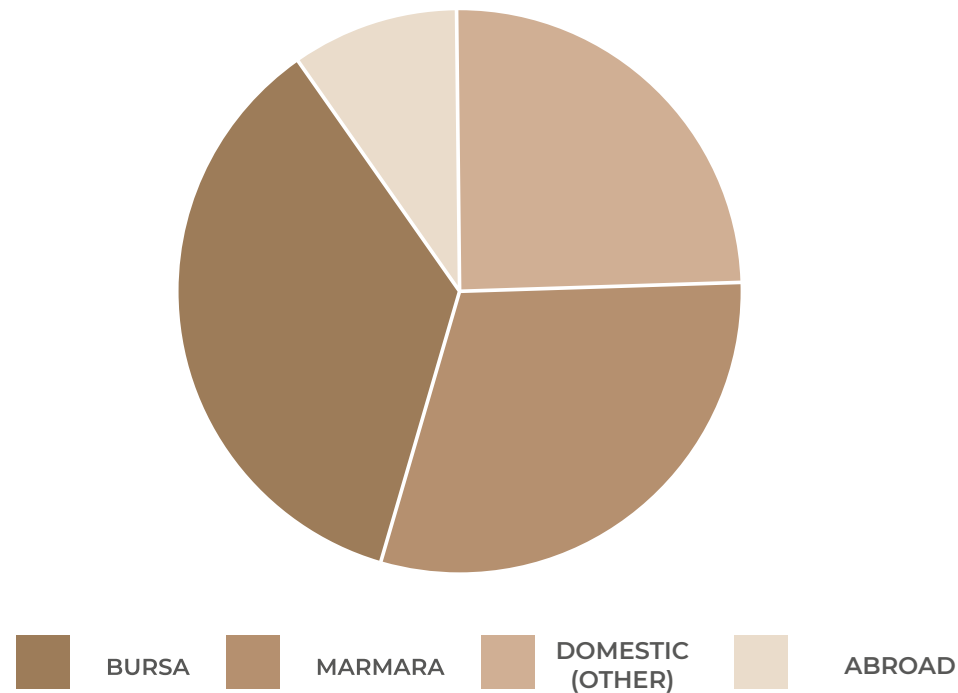
We aim to create a sustainable value chain by cooperating with suppliers within the framework of Amfori BSCI code of conduct. We also attach importance to supporting local development in the regions where we operate. We encourage the efficient and sustainable use of local resources, support local businesses and contribute to job creation efforts.

In this way, we support sustainable and inclusive economic growth by collaborating with local suppliers. We care about the economic, social and environmental development and improvement of communities.

— SUSTAINABLE PROCUREMENT MANAGEMENT

In our relations with our suppliers, we determine the principle of creating mutual benefit by regulating our obligations in accordance with the law and ensuring the development of our suppliers as well as our own development process.

SUPPLIER LOCATIONS



Vanelli Procurement Management Principles

Environmental Performance

We encourage our suppliers to reduce their environmental impact when sourcing materials and services. This includes energy efficiency, water use, waste management and carbon footprint.

Social Responsibility

We verify compliance with social responsibility principles such as labor rights, occupational safety and respect for human rights in the supply chain. We advocate for fair working conditions and the fight against child labor.

Economic Development

We encourage our suppliers to contribute to economic development. This means investing in local economies, supporting small businesses and adopting fair trade practices.

— DIGITAL TRANSFORMATION

Recognizing digital transformation as a priority, we aim to increase efficiency, improve customer experience and gain competitive advantage by using technology at every stage of our business processes. In this context, we create customer-focused digital platforms, invest in innovative technologies in areas such as smart supply chain management and digitalization in production, and strengthen our sustainability-oriented approaches.

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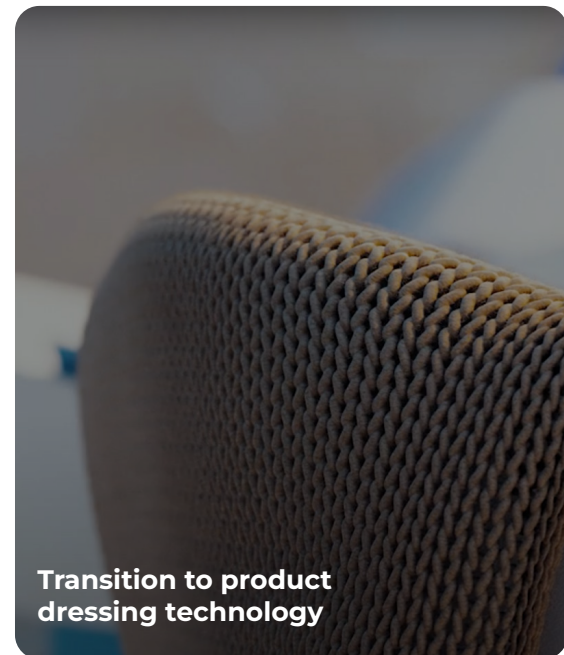
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If you don't have password please **request password** from our sales team.

Operation of the entire order network through the Vanelli Virtual Showroom and ERP portal



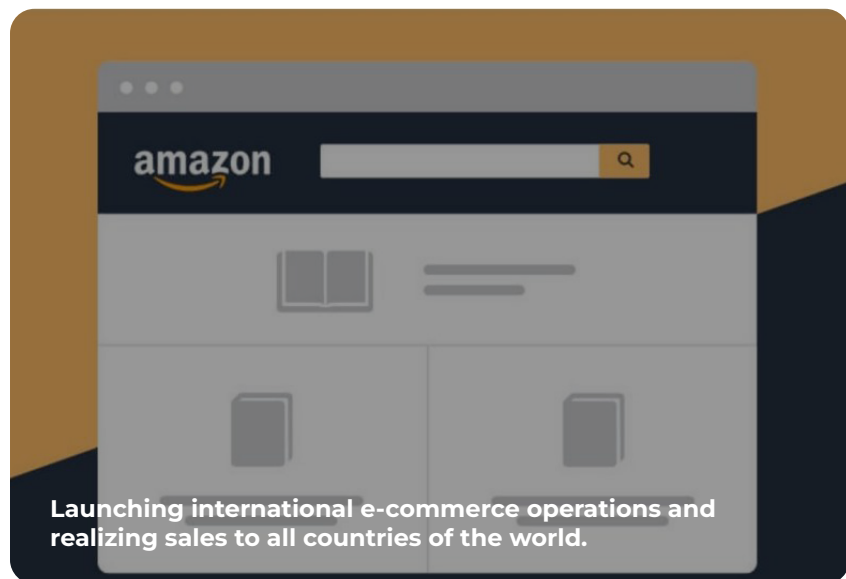
Switching to 3D product presentation



Transition to product dressing technology



Development of product presentation and virtual exhibitions with Vanelli VR and Virtual Reality technology

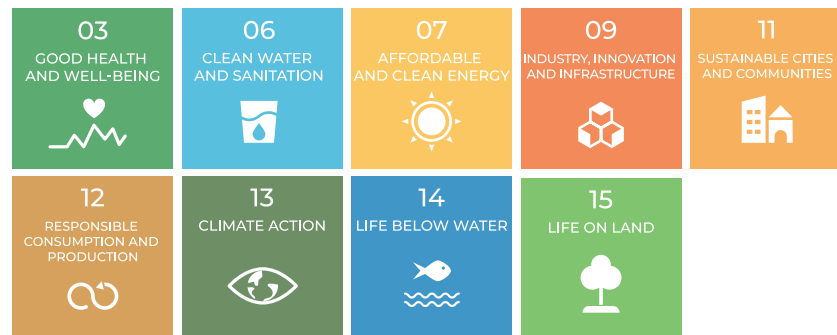


Launching international e-commerce operations and realizing sales to all countries of the world.



— Our Environment
Friendly Business
Approach

SUSTAINABILITY FOCAL POINTS



United Nations
Global Compact

Principle 6 - 8 - 7 - 9

— OUR NET ZERO STRATEGY

In today's world, where the transition to a carbon neutral world is envisioned for a sustainable future, we have created our net zero strategy with a focus on the risks associated with climate change. As a company, we are committed to reducing our carbon footprint and achieving our net zero emission targets. By 2050, we plan to reduce greenhouse gas emissions resulting from our company's activities to net zero.

Our Net Zero Targets

%35

For our scope-1 and scope-2 emissions, we commit to an annual reduction of 4.2% compared to 2022, for a total reduction of 35% by 2032.

%22

For our scope-3 emissions, we commit to an annual reduction of 2.5% compared to 2022, for a total reduction of 22.5% by 2032.

Use of Sustainable Materials

We reduce our environmental impact by increasing the use of sustainable materials in production processes and reducing harmful chemicals with recycled materials. We ensure energy efficiency by considering environmental, social and economic impacts in design and aim to achieve the right design the first time by reducing the number of samples with digital, artificial intelligence-supported programmes.

Waste Management and Recycling

We endeavour to reduce the amount of waste and increase the recycling rate. We improve waste management, encourage reuse and recycling, and use environmentally friendly packaging. We cooperate with business partners and educational institutions to recycle our textile waste. In order to comply with sustainability standards, we increase the supply of sustainable raw materials and reduce greenhouse gas emissions by turning to certified suppliers.

Energy Efficiency

We continuously evaluate our facilities and equipment to improve our energy efficiency. We encourage the use of efficient technologies and promote energy-efficient practices.

Carbon-Free Energy Use

We prefer renewable energy sources in our facilities and operations. We continue to minimise our energy consumption by using solar, wind and hydroelectric energy. As of 2022, we have been using I-REC certified renewable energy and we aim to switch to a continuous renewable energy source by switching to GES system by 2025.

Innovation and R&D

We continuously invest in R&D to develop innovative solutions focused on sustainability. We aim to reduce our environmental impact and achieve our net zero targets with innovative technologies.

— OUR ENERGY MANAGEMENT POLICY



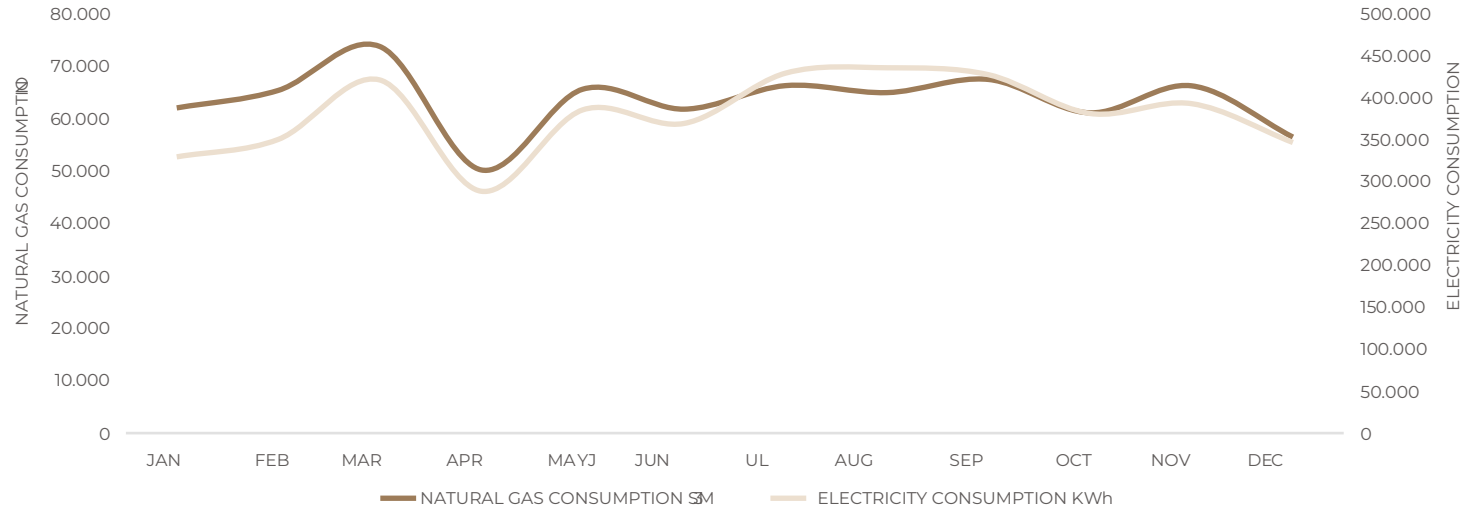
We place our energy management policy at the centre of our sustainability efforts. Our main strategies include developing our energy management system in accordance with international standards, setting strategies and targets, regularly reviewing and presenting this information to our stakeholders.

In order to reduce our environmental impact while expanding our operations, we continuously improve environmental management principles in energy management and strive to achieve our carbon neutral targets. We aim to use energy efficiently, reduce greenhouse gas emissions and increase the use of renewable energy.

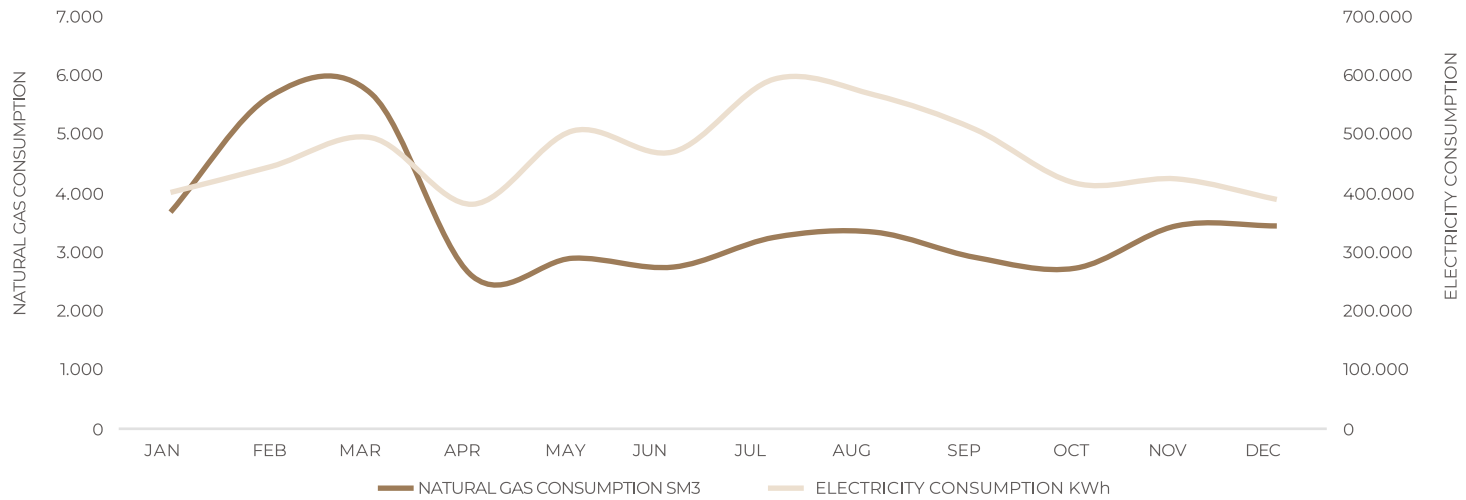
We are aware that natural resources are limited and we aim to leave a better future for the environment, society and future generations by offering more sustainable solutions both today and in the future.



— OUR ENERGY MANAGEMENT POLICY



Dyeing plant electricity/natural gas consumption



Weaving plant electricity/natural gas consumption

[Click here for Vanelli's Energy Consumption Details.](#)

— OUR ENERGY MANAGEMENT POLICY

We aim to use resources efficiently and reduce energy costs by managing our energy consumption with a systematic approach. In this context, we aim to ensure the implementation and continuity of the energy management system, which aims to continuously improve energy performance and efficiency, with an effective, inclusive and integrated energy management approach.

In addition to meeting legal requirements, our energy management policy ensures that we set measurable targets to increase energy efficiency and periodically monitor these targets. We take care to consume energy efficiently by reducing our energy use and support projects to reduce the amount of energy use in unit production.

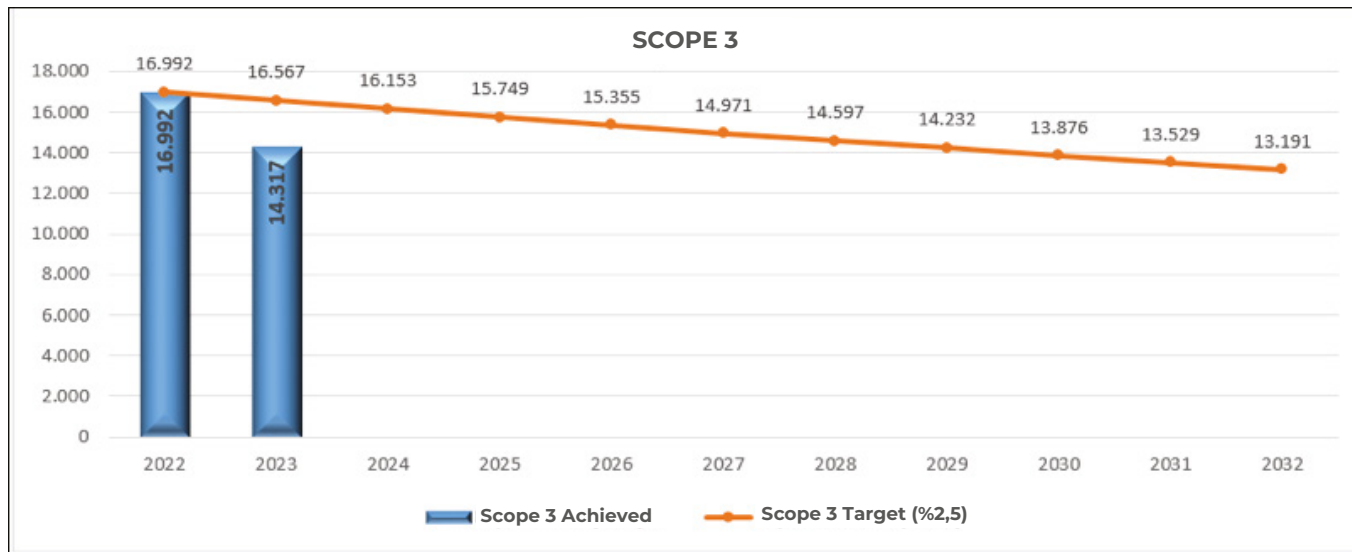
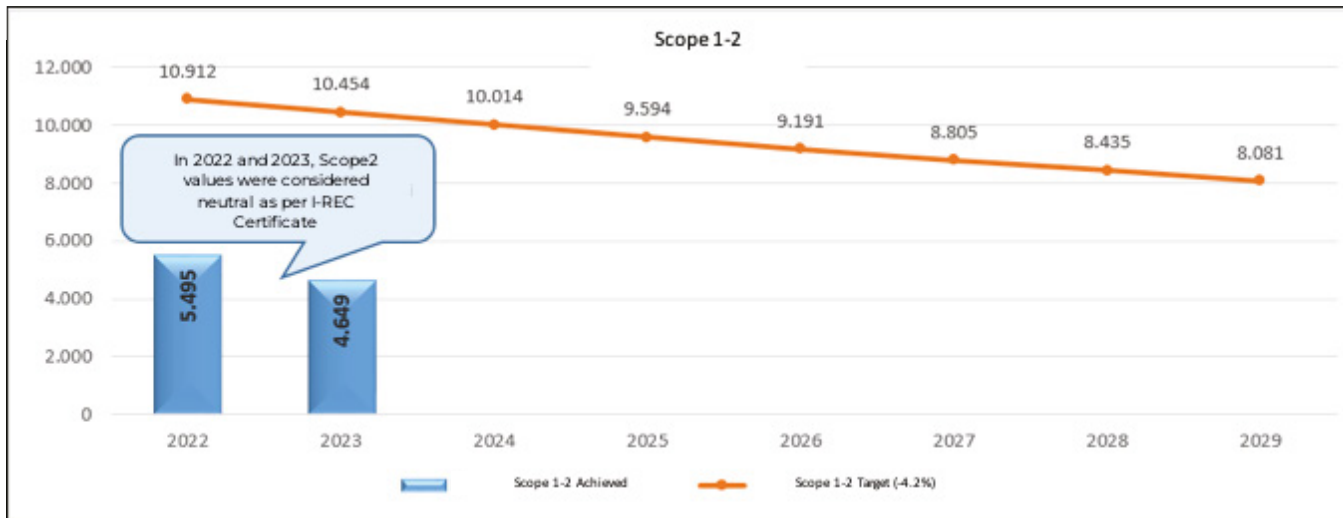
In this direction, we continue our efforts by meeting the necessary budget, human and technology needs. We regularly monitor, report and share our energy performance with all our stakeholders. We consider energy efficiency in product designs and provide the necessary resources and information to achieve our targets. We regularly update our energy management policy according to technological and sectoral developments.

No	Integrated Management System KPI Targets	Unit	2023 Target	Achieved in 2023
3	Weaving - Reducing Electricity Consumption	(kWh/mt)	2,8	2,91
4	Luwa1 - Reducing Electricity Consumption	kw.avr/day	2000	1926
5	Luwa2 - Reducing Electricity Consumption	kw.avr/day	930	845,75
6	Luwa3 - Reducing Electricity Consumption	kw.avr/day	840	775
7	Kops twisting cooling system-reducing electricity consumption	kw.avr/day	576	92
8	Entire compressor-reducing electricity consumption	kw.avr/day	3300	2992
9	Weaving_4/Chiller - Reducing Electricity Consumption	(kWh/mt)	0,02	0,013
10	Apparel - Reducing Electricity Consumption	(kWh)	4950	4069
11	Yarn Dyeing - Reducing Electricity Consumption	(kWh/kg)	1,2	1,184
12	Yarn Dyeing - Reducing Natural Gas Consumption	(kWh/kg)	4,9	4,086
13	Yarn Dyeing - Reducing Water Consumption - Industrial	(m3/kg)	0,075	0,078
14	Yarn Dyeing -Right production in the first run (% RFT)	%	84,00%	0,84
15	Finishing - Reducing Electricity Consumption	(kWh/mt)	0,135	0,145
16	Finishing - Reducing Natural Gas Consumption	(kWh/mt)	1,5	1,559
17	Finishing (WASHING) - Reducing Water Consumption - Industrial	(m3/mt)	0,015	0,0153
18	Finishing - Right production in the first run	%	98,00%	0,99
19	Dye - Reducing Electricity Consumption	(kWh/kg)	0,35	0,381
20	Dye - Reducing Natural Gas Consumption	(kWh/Kg)	7,986	7,623
21	Dye - Reducing Water Consumption - Industrial	(m3/kg)	0,151	0,125
22	Dye - Right production in the first run (% of RFT)	%	72,80%	0,76
23	Print - Reducing Electricity Consumption	(kWh/mt)	0,228	0,218
24	Printing - Reducing Natural Gas Consumption	(kWh/mt)	2,35	2,763
25	Printing - Reducing Water Consumption - Industrial	(m3/mt)	0,025	0,058
26	Printing - Right production in the first run	%	98,84%	0,97
27	Packaging - Reducing Nylon Consumption (Main Building)	(kg/mt)	0,003	0,0026

— GREENHOUSE GAS EMISSIONS

The textile sector provides semi-finished products to many sectors such as ready-to-wear clothing, home textiles, decoration, packaging and automotive. Due to the wide scope of our sector and our supply chain, it has a significant impact on many environmental parameters, especially greenhouse gas emissions.

In textile production, greenhouse gas emissions are primarily caused by processes such as the supply of energy required for production processes, production of materials used, transportation activities and waste management.



— WATER USE

Water is an indispensable resource for all living things and is of vital importance. Sustainable use of water, protection of ecosystems, ensuring food security and leaving clean water to future generations is our most important responsibility.

Water is a basic component in the textile industry and is used in almost every stage of production processes. In this context, as one of the sectors where water is used the most, the textile industry should follow its water footprint and give due importance to water use and saving.

In our water footprint report, we have comprehensively evaluated our water consumption models, impacts and improvement opportunities. In the report, our total water consumption and environmental impacts are analysed in detail.

Blue water
Footprint
232.458
m³/year

Gray water
Footprint
145.166
m³/day

Central
Blue water
Footprint
16.382
m³/year

Branch
Blue water
Footprint
206.847
m³/year

Central
Gray water
Footprint
53.309
m³/day

Branch
Gray water
Footprint
91.857
m³/day

As Vanelli Textile, we continue our sustainability journey with our responsible resource management by reducing our water footprint with the awareness that water is a critical resource.

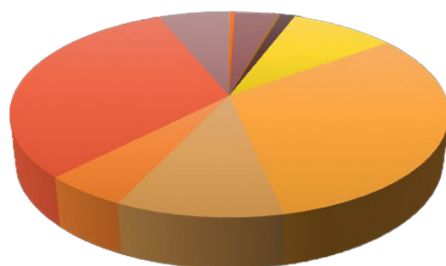
— WASTE MANAGEMENT

We implement waste management with an environmentally sensitive and sustainable approach. In this context, we carry out continuous improvement activities to minimize the amount of waste in our production processes. By encouraging recycling and reuse, we ensure that waste is managed without harming nature. In order to minimize waste generation, we work on developing innovative and environmentally friendly products starting from the design stage.

Compared to the years 2022 and 2023, we achieved a reduction of 8.6% in the amount of hazardous waste and 6.7% in the amount of non-hazardous waste, despite a 5% increase in our total production amount.

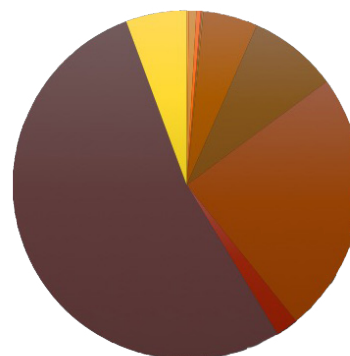
DYEING PLANT

- Other batteries and accumulators
- Hydraulic oils
- Dye or varnish remover waste
- Laboratory chemicals
- Waste containing oil
- Fluorescent lamps
- Plastic bobbin with thread
- Digital paper
- Medical Waste
- Dye wastes
- Contaminated Packaging
- Oil and concentrations
- Waste printing toners
- Plastic bobbin
- Paper
- Nylon



MAIN BUILDING

- Medical Waste
- Contaminated Packaging
- Organic Solvents and sludge
- Contaminated cloth, yarn wastes
- Laboratory chemicals
- Fluorescent Lamps
- Electrical Equipment
- Plastic bobbin
- Plastic Bobbin with thread
- Paper Bobbin
- Nylon
- Toppings, Trimmings
- Pallet

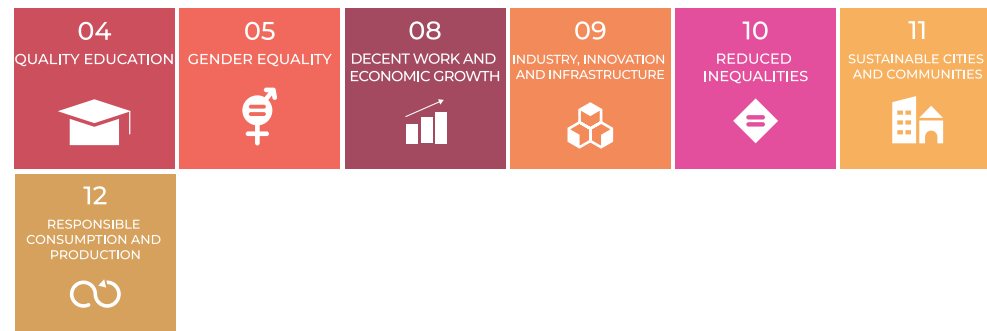


	2022 (Tons)	2023 (Tons)	% Rate
Production Quantity	8863.19	9306.29	5% (+)
Amount of Hazardous Waste	16,715	15,279	8.6% (-)
Amount of Non-Hazardous Waste	501,706	467,956	6.7% (-)



— Our Sharing Business Approach

SUSTAINABILITY FOCAL POINTS



United Nations
Global Compact

Principle 1 - 3 - 4 - 5 - 6 - 7 - 8 - 9

— OUR HUMAN RESOURCES POLICY

We recognize that our employees are the greatest value of our workforce by adopting a fair, ethical and transparent approach in all processes from recruitment to retirement. Vanelli Textile's human resources policy provides a framework to ensure our employees' job satisfaction, personal development and contribution to the company's goals.

Our Human Resources Policy is to make the company an efficient, dynamic, values-based organization where teamwork is believed in, where employees feel happy and safe, to create human resources that can be used in line with its goals and values and carry its success into the future, and to establish systems and ensure their permanence.



OUR STRATEGIES

Being mindful of conveying all necessary information to our employees and sharing knowledge

Interviewing all candidates who can provide the work outputs expected from the position in the recruitment process

Creating the efficient and productive workforce we need by striving to meet work-life requirements

Reflecting our thoughts and values in our activities

Pioneering innovative, patient and fair work



GENERAL EMPLOYMENT

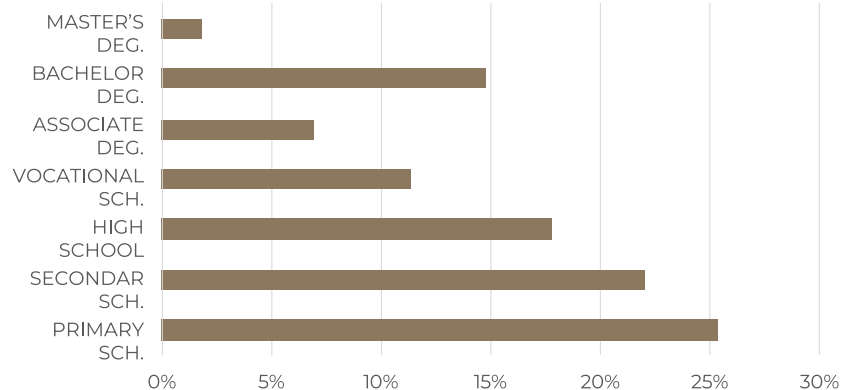
In parallel with our field of activity and business volume, we strive to increase our employment, strengthen our staff with our new recruits, and contribute to our sector with trained labor force.

The ratio of female employment to male employment in our company for 2023 is 47% and we continue our efforts to empower women in business life

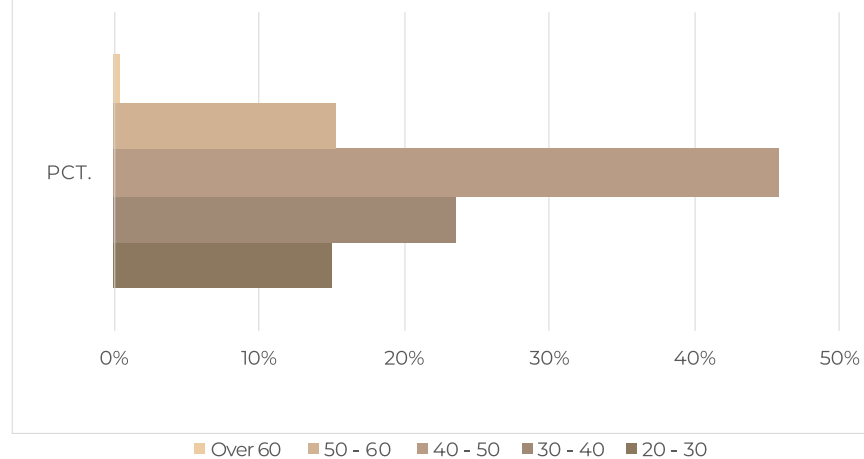
%47

The ratio of female employment to male employment

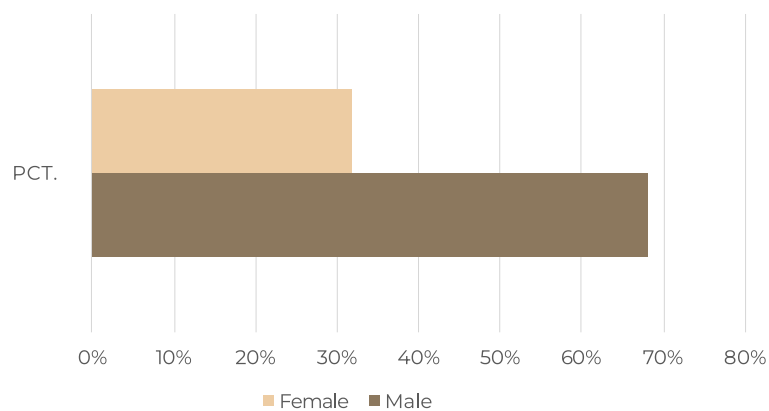
PERCENTAGE OF EMPLOYEES BY EDUCATION LEVEL



EMPLOYEE PROFILE BY AGE GROUP



PCT. OF FEMALE AND MALE EMPLOYEES



— EMPLOYEE DEVELOPMENT AND SATISFACTION

We care about the happiness and development of our employees. We aim to maximise the potential of our employees and ensure their success by creating a working environment supported by a culture of cooperation and continuous learning.

We offer equal opportunities to all our employees to ensure fair employment and working conditions. We build trust by following a transparent and fair policy on remuneration and fringe benefits. We prioritise transparency and fairness in determining working hours.

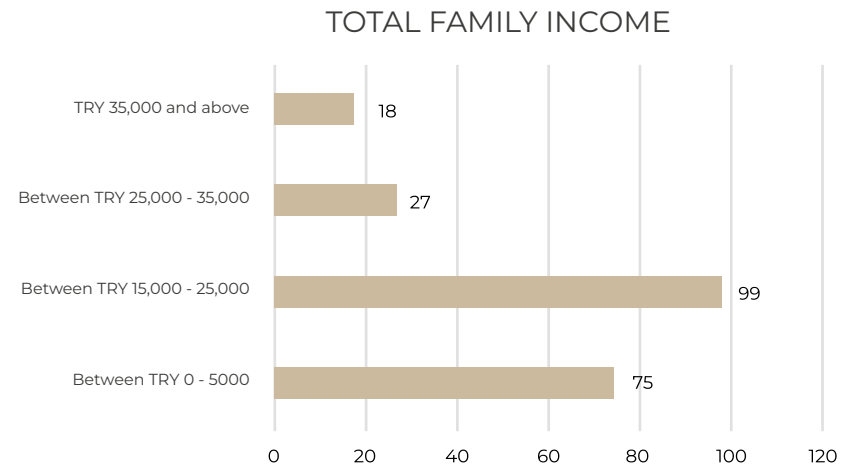
We take into account survey results and sectoral wage surveys to determine a fair living wage. We use living wage analyses to maintain wage balance and aim to develop more competitive and motivating practices by taking into account the economic indicators of our country and sectoral data.

Gender	Rate	Share in Total Wages
FEMALE	32.0%	32.2%
MALE	68.0%	67.8%

— EMPLOYEE DEVELOPMENT AND SATISFACTION

Within the scope of our company's fair living wage policy, we offer bonuses once a year, fuel allowance, marriage allowance, birth allowance, death allowance, child allowance, education allowance, circumcision allowance, food allowance, scholarship allowance, dietician service twice a month, psychologist service twice a month, free basketball game tickets during the season, discount agreements at private health institutions and interest-free debt advances.

As a company, we organized service satisfaction surveys for our employees for the years 2022 and 2023 regarding food, service and picnics.



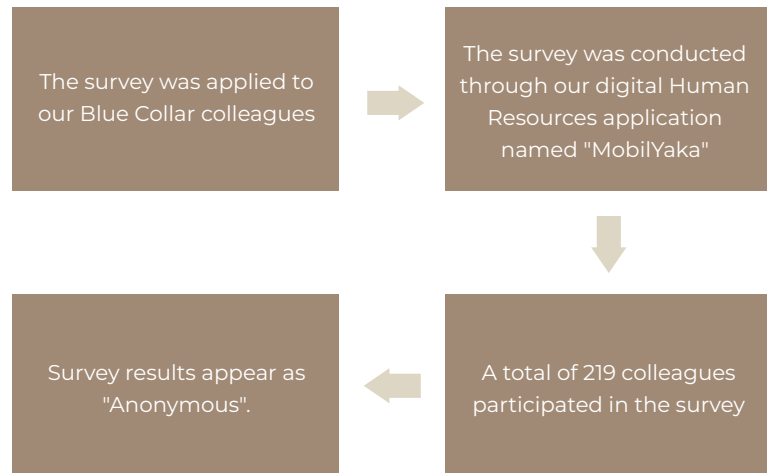
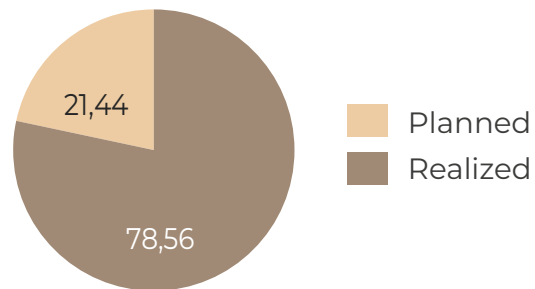
ITEM OF EXPENDITURE	AMOUNT
HOUSING	3557
ENERGY	2026
FOOD	2579
CLEANING	731
CLOTHING	1814
EDUCATION	1906
TRANSPORT	1350
COMMUNICATIONS	910
ENTERTAINMENT	557
TOTAL AMOUNT OF FAMILY BASKET	15430
AVERAGE NUMBER OF EMPLOYEES IN THE FAMILY	1,55
LIVING WAGE	10.950
SAVINGS (25%) AMOUNT	2.738
LIVING WAGE TOTAL	13.688
VANELLI 2023 AVERAGE WAGE	14.100
VANELLI 2023 BASE SALARY	11.619
Tax exemption (Average)	1.500
TOPLAM	15.600
WAGE DIFFERENCE	1.912

— EMPLOYEE DEVELOPMENT AND SATISFACTION

We evaluate whether the shuttle bus occupancy rate complies with the standards, the adequacy of the shuttle stops and the adequacy of the shuttle drivers, and if necessary, we make improvements. We organize bonding picnics in our company and in the satisfaction surveys specific to these picnics, we ask questions about satisfaction with the event, satisfaction with the refreshments offered at the event, the adequacy of the organizations held at the event, the location and adequacy of the event area, the transportation and convenience of the event area, and we work according to the feedback.

Communication and Engagement: We value our employees' ideas and feedback by creating an environment of open communication and collaboration. By encouraging effective communication in the workplace, we enable our employees to express themselves and make contributions.

Ratio of Planned Training to Realized Training



Personal and Professional Development: We organize training and development programs to support the personal and professional development of our employees. We encourage them to unlock their potential by providing the necessary resources to develop their talents and skills.



EMPLOYEE DEVELOPMENT AND SATISFACTION

We create a systematic order to increase the work efficiency, quality and personal development of our existing employees and to follow up their competencies with a new employee joining the Vanelli family.

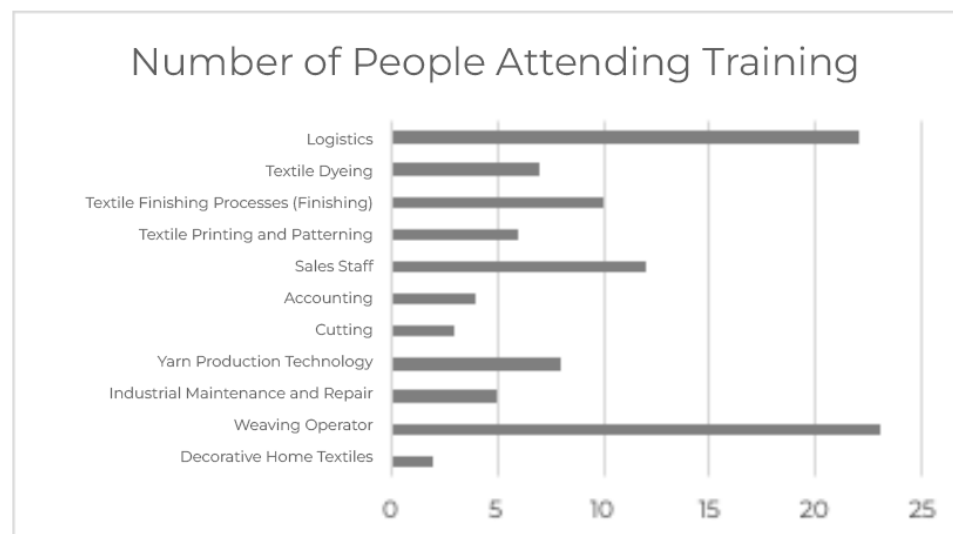
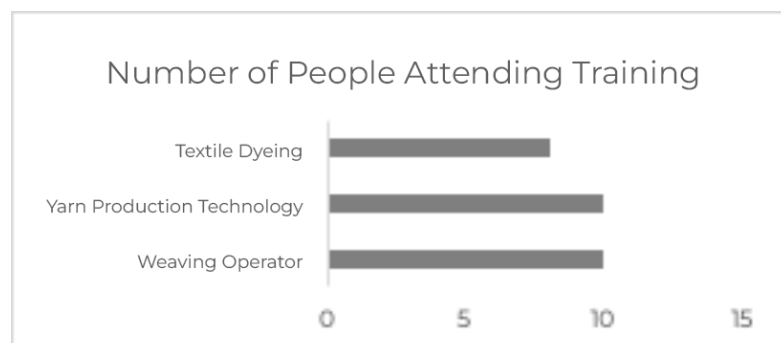
Within the framework of this plan, we provide orientation training for new personnel, collect training requests for existing personnel, create an annual training plan, and evaluate the effectiveness of training after training.

We encourage the personal and professional development of each employee, enabling them to unlock their potential.

— EMPLOYEE DEVELOPMENT AND SATISFACTION

Within the scope of the Vocational Training Center Mastership Compensation Program, our colleagues who are at least high school graduates are entitled to receive a mastership certificate and the competencies of our employees in the professional field have been certified.

Within the scope of the Diploma Compensation Program, our employees who attend training at the Vocational Training Center are entitled to receive both a certificate of mastery and a high school diploma.



— EMPLOYEE DEVELOPMENT AND SATISFACTION

We attach great importance to training programmes in order to support the personal and professional development of our employees, to increase their work performance and to achieve company targets. In order to determine training needs, we conduct needs analyses, meet with department managers and examine performance evaluation results.

In our training programmes, we use various learning methods, taking into account the learning styles and needs of employees. We offer comprehensive learning experiences through methods such as interactive sessions, online trainings, mentoring programmes, task-based learning and simulations.

We also use evaluation tools to measure the traceability of the training after the training. We value our employees' feedback on training and use this feedback to improve future training programmes.

— EMPLOYEE DEVELOPMENT AND SATISFACTION

We are aware that focusing on social issues to increase the happiness and well-being of our employees is critical to the long-term success of our company. Accordingly, we ensure the effective implementation of your social strategy and provide the necessary support for our employees to benefit sufficiently from social activities.

We organize various social activities to enhance the well-being of our employees, improve the workplace environment and strengthen our corporate culture. By organizing social activities such as team events, picnics, meals and cultural activities, we strengthen loyalty and cooperation among our employees.



— OUR SOCIAL COMPLIANCE POLICY

We prioritize human life above all else, and we carry out process management with a long-term and holistic perspective based on sustainable approaches for all components in our value chain such as employees, customers, stakeholders, society, environment, etc. In our current strategies and projects for all our stakeholders, we are against all forms of discrimination, respectful of ethical values, relying on trust, prioritizing equality of opportunity, and working to ensure social health, safety, well-being and happiness in the best way possible. In our relations with our employees and all other stakeholders, we undertake to act in accordance with our policies and ethical values we have determined in our business and to effectively implement the following policies:

We ensure that discriminatory behavior, harassment, forced labor or child labor does not take place in our workplace. In this context, we monitor that there is no debt bondage, involuntary labor, forced or compulsory labor, and that people and children under the age of 18 are not employed in jobs determined by laws and regulations. We demand a family consent letter for our interns. We offer equal opportunities in working life and do not allow discrimination on the basis of gender, race, origin, religion, sect, ancestry, age, political opinion, marital status, disability, illness or any other value or status.

%3 Ratio of disabled employees to total employees

%2 Ratio of interns to all employees

— OUR SOCIAL COMPLIANCE POLICY

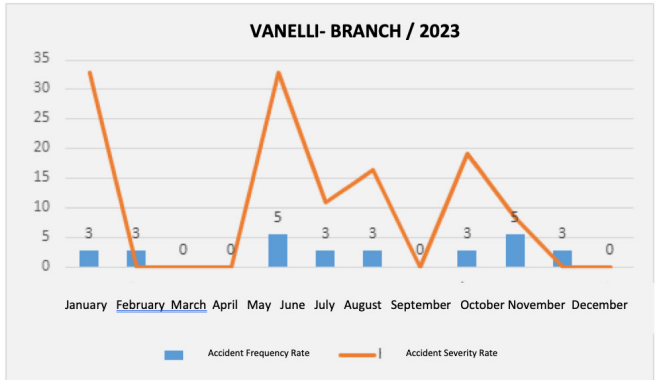
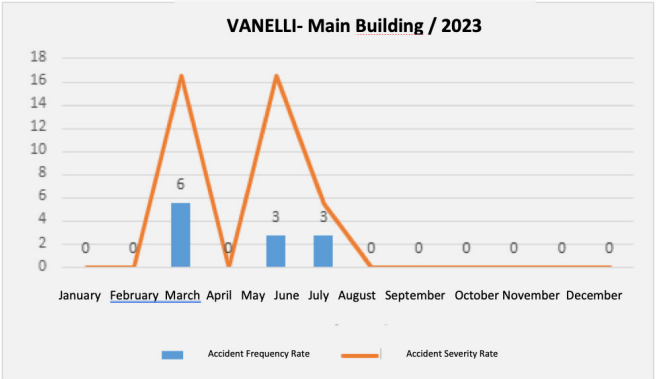
- In accordance with legal requirements and standards, we do not discriminate against our employees on the basis of their membership of a trade union, association or society and we respect their right to representation and collective bargaining.
- At Vanelli, we do not tolerate any form of corruption, fraud, embezzlement or bribery.
- We do not impose disciplinary penalties other than those specified in the relevant laws and regulations, respect the dignity and personality of our employees, and ensure that they are not subjected to physical, verbal, psychological pressure, intimidation, frightening, etc.

— OUR SOCIAL COMPLIANCE POLICY

As Vanelli, in accordance with our Occupational Health and Safety Policy, we continue to determine and maintain the most appropriate working methods in order to create a safe and healthy working environment, and to increase our OHS performance in all our processes in line with the relevant national and international legislation and regulations in line with our goals.

We take preventive measures by eliminating all risks that may threaten the health of our employees against occupational diseases, occupational accidents and injuries, and ensure the continuity of work environments where they can work safely, healthily and efficiently by ensuring the participation of our employees through innovation techniques. With the awareness that occupational safety is a value given to human life, we take preventive actions on occupational health and safety. Our company has prepared emergency plans for natural disasters, accidents, epidemics, etc. and we conduct emergency drills every six months for three shifts.

In accordance with the Regulation on Health and Safety Conditions in the use of work equipment, periodic inspections are carried out by authorized companies and teams at least once a year, without prejudice to the periods stipulated by the standards for the controls of the equipment in our enterprises. In addition, the deficiencies identified as a result of the inspection are corrected and made appropriate and suitable periodic inspection reports are obtained.



— OUR OCCUPATIONAL HEALTH AND SAFETY POLICY

Our main priority is to create a healthy and safe working environment in our workplace with our OHS Policy.

In this regard, we attach importance to our employees' active involvement in all processes of the occupational health and safety management system and value their opinions in order to minimize all kinds of material and moral losses that may occur, to fully implement all kinds of preventive and protective measures against injuries, health deterioration and hazards of employees during our operations.

We ensure that all legal and other requirements related to occupational health and safety are fulfilled in accordance with national and international OHS legislation and that all necessary legal and other conditions related to occupational health and safety are fulfilled in a complete manner by conducting regular trainings on OHS.

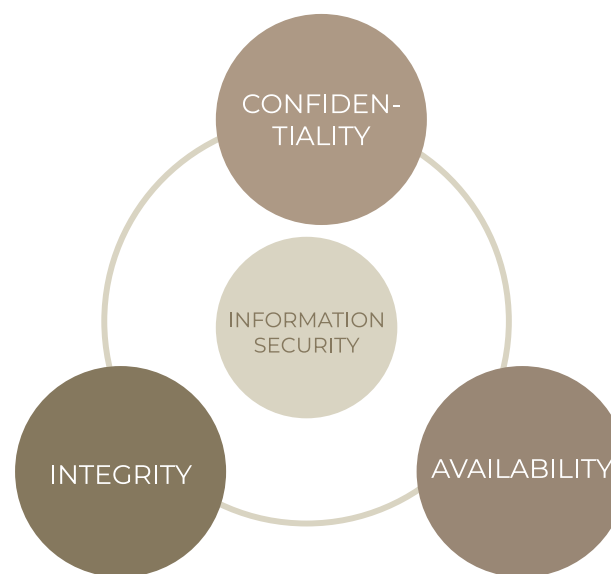
Within the scope of our goal of continuous improvement in all areas, our main priorities include increasing the performance and continuous improvement of our systems by taking occupational health and safety into consideration.

— OUR INFORMATION SECURITY POLICY

Based on the risk approach of business processes within Vanelli, we work on the confidentiality, integrity and accessibility dimensions of the documents/processes used within the organization, communication between individuals or units and information security.

We ensure that the data of our customers/business partners are evaluated within the scope of the Law on the Protection of Personal Data and that the development efforts for the requirements imposed by the law are detailed when necessary.

By establishing an information security management system infrastructure based on the ISO 27001 standard and ensuring its continuity, the security of all information used and circulating in our company has been ensured, and potential risks and the effects of these risks in processes that are critical for information security and business continuity have been minimized.

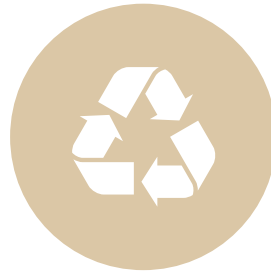


— OUR 2024 FORECAST

GRI 2-18



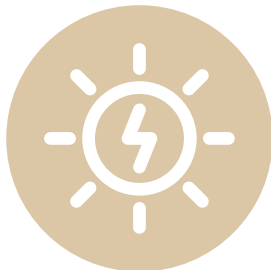
Analyze our Carbon Footprint twice a year to see periodic differences.



Develop and follow up projects for waste minimization.



Analyze our energy consumption in detail and focus on energy efficient projects



Prioritize GES (Solar Energy System) investment



Analyze our water consumption in detail and focus on water efficient projects,



Organize training activities to increase the environmental and social awareness of our employees.

— GRI Index

GRI Standard	Topic Headings	
GRI 2	About Vanelli	
GRI 2-3	About the Report	
GRI 2-23	Management's message	
GRI 2	Vision, Mission and Values	
GRI 2- 18	Vanelli from Past to Present	
GRI 2-18	Highlights for 2023	
GRI 2-18	Our Awards and Achievements	
GRI 2-1	Our Organizational Structure	
GRI 3-2	Our Sustainability Focal Points	
GRI 3-1	Materiality assessment analysis	
GRI 2-22	Designing the Future	
GRI 201	Stakeholder Management	
GRI 200-300-400	Risk Management	
GRI 201-4	Sustainable Design	
GRI 201, GRI 201-4	Sustainable Production	
GRI 201, GRI 201-4	Lean	
GRI 204-308-414	Sustainable Procurement Management	
GRI 204-308-414	Digital Transformation	
GRI 302	Our Net Zero strategy	
GRI 302	Our Energy Management Policy	
GRI 302	Greenhouse Gas Emissions	
GRI 303	Water Use	
GRI 306	Waste Management	
GRI 401-404-405	Our Human Resources Policy	
GRI 401-405	General Employment	
GRI 404	Employee Development and satisfaction	
GRI 416-417	Our Social Compliance Policy	
GRI 403	Our Occupational Health and Safety Policy	
GRI 416-417-418	Our Information Security Policy	

VANELLI'S ENERGY TARGETS

APPENDICES

INTEGRATED MANAGEMENT SYSTEM KPI TARGETS	UNIT	2022	2023	ACHIEVED IN 2023
		ACHIEVED	TARGET	
Ratio of downtime due to malfunction	%	3,82%	2,30%	2,39%
Increasing the percentage of incidental work orders to 90%	%	88,78%	90%	83,34%
Weaving - Reducing Electricity Consumption	(kWh/mt)	2,93	2,8	2,91
Luwa1-Reducing Electricity Consumption	kw.av/day	2.326	2.000	1.926,00
Luwa2-Reducing Electricity Consumption	kw.av/day	1.181	930	845,75
Luwa3-Reducing Electricity Consumption	kw.av/day	913	840	775
Kops twisting cooling system - reducing electricity consumption	kw.av/day	1.356	576	92
Entire compressor - reducing electricity consumption	kw.av/day	4.100	3.300	2.992
Weaving_4/Chiller - Reducing Electricity Consumption	(kWh/mt)	0,02	0,02	0,013
Apparel - Reducing electricity consumption	(kWh)	5.950	4.950	4.069
Yarn Dyeing - Reducing Electricity Consumption	(kWh/kg)	1,205	1,2	1,184
Yarn Dyeing - Reducing Natural Gas Consumption	(kWh/kg)	4,922	4,9	4,086
Yarn Dyeing - Reducing Water Consumption - Industrial	(m3/kg)	0,075	0,075	0,078
Yarn Dyeing - Right production in the first run (RFT %)	%	81,10%	84%	84%
Finishing - Reducing Electricity Consumption	(kWh/mt)	0,139	0,135	0,145

INTEGRATED MANAGEMENT SYSTEM KPI TARGETS	UNIT	2022	2023	2023 GERÇEKLEŞEN
		ACHIEVED	TARGET	
Finishing - Reducing Natural Gas Consumption	(kWh/mt)	1,55	1,5	1,559
Finishing (WASHING) - Reducing Water Consumption - Industrial	(m3/mt)	0,0047	0,015	0,0153
Finishing - Right production in the first run	%	99	98%	99%
Dye - Reducing Electricity Consumption	(kWh/kg)	0,411	0,35	0,381
Dye - Reducing Natural Gas Consumption	(kWh/Kg)	7,986	7,5	7,623
Dye - Reducing Water Consumption - Industrial	(m3/kg)	0,151	0,13	0,125
Dye - Right production in the first run (RFT %)	%	72,80%	80%	76%
Printing - Reducing Electricity Consumption	(kWh/mt)	0,228	0,19	0,218
Printing - Reducing Natural Gas Consumption	(kWh/mt)	2,35	2,2	2,763
Printing - Reducing Water Consumption - Industrial	(m3/mt)	0,025	0,024	0,058
Printing - Right production in the first run	%	98,84	95%	97%
Packaging - Reducing Nylon Consumption (Main Building)	(kg/mt)	0,003	0,005	0,0026

INTEGRATED MANAGEMENT SYSTEM KPI TARGETS	UNIT	2021	2023	ACHIEVED IN 2023
		ACHIEVED	ACHIEVED	
Dyeing Plant Electricity Consumption kwh		541,887	541,887	391,98
Dyeing Plant Gas Consumption kwh	TEP	2994,443	2994,443	2111,92
Weaving Electricity Consumption kwh	TEP	727,37	727,37	481,75
Weaving Gas Consumption kwh	TEP	137,64	137,64	118,37
Weaving/Chiller - Electricity Consumption kwh	TEP		--	2,43
Weaving production quantity	(mt)	2.796.291	2.420.025	1.947.431
Finishing production quantity	(mt)	8.455.673	8.380.434	7.589.874
Fabric Dyeing production quantity	(kg)	966.082	868.803	996.264
Printing production quantity	(mt)	398.602	494.151	295.327
Yarn Dyeing production quantity	(kg)	1.257.325	1.380.730	1.181.091
Total production of branch factory		11.077.682	11.124.118	4.841.088

Natural Resource Consumption Improvement Projects Energy Management 2021-2023

Electricity 2021-2023

IMPLEMENTATION DATE	Project / Activity Name	Explanation	Electricity Consumption (before) [KWh/day]	Electricity Consumption (After) [KWh/day]	Electricity Consumption GAIN [KWh/year]
2021	Compressor inventor application	Robot 140 fixed speed compressor was fitted with an inverter whose speed can be controlled to save energy	1.623	519	331.200
2021	Chiller – Luwa 1	Instead of the metal bladed blowing and suction fans of the Luwa brand air conditioner in Hall 1, new energy-saving fans with flexi-glass material were installed	2.326	1.978	104.400
2021	Evaporative Coolers - kops twisting	Instead of ROCA gas type cooling devices with high energy costs, FES evaporative cooling devices with low energy costs were installed	1.356	250	199.080
2021	Itama weaving machines - Dobby - 1st batch (20 machines)	The old type Somet branded dobby looms currently used in the weaving hall were replaced with technological, high-speed and energy-saving Itama machines.	0,000229	0,000204	39.479
2021	Printing the disperse print printed in convectional printing on Digital Machine	Washing energy consumption during printing was minimized with a more portable machine.			2.910
2022	Chiller – Luwa 2	Instead of the metal bladed blowing and suction fans of the Luwa brand air conditioner in Hall 2, new energy-saving fans with flexi-glass material were installed	1.181	895	85.920

2022	Chiller – Luwa 3	Instead of the metal bladed blowing and suction fans of the Luwa brand air conditioner in Hall 3, new energy-saving fans with flexi-glass material were installed	891	823	20.400
2022	Chiller - Weaving (bucket twist, zinser, Hall 4)	Instead of the old type York branded chiller cooling group used for cooling purposes, a Fes branded evaporative cooling and ventilation system with low energy cost was installed in 3 sections.	1.785	331	436.200
2022	Replacement of MCS Machine - 200 kg	The old type high energy (electricity, natural gas, water) consuming machine was replaced with a new low energy consuming machine.	99	99	44.730
	Canlar – 200 kg		88	88	39.600
	Canlar – 25 kg	We will consume less energy by purchasing small machines for the production of small parts.			
	Annual gain by switching to low float				-5.251
2022	Itema weaving machines - Dobby - 2nd batch (20 machines)	The old type Somet branded dobby looms currently used in the 4th weaving hall were replaced with technological, high speed and energy efficient Itema machines.	0	0	39.479
2022	Printing the pigment print printed in convectional printing on Digital Machine	Washing energy consumption during printing was minimized with a more portable machine.			14.550
2023	Hall 2 - ROCA air conditioner canceled and evaporative cooling installed	Instead of the old type York branded chiller cooling group used for cooling purposes, Fes branded evaporative cooling and ventilation system with low energy cost was installed.	1.328	846	4.820
2023	Product quality control evaporative air conditioning system	Air conditioning was canceled and replaced with an evaporative air conditioning system.	7.650	5.300	11.750
2023	APPAREL LED LIGHTING INSTALLED	Led fluorescents with lower energy consumption were installed instead of the old type balanced fluorescents.	5.870	3.675	21.950

Natural Gas; 2021-2023

IMPLEMENTATION DATE	Project / Activity Name	Explanation	Natural Gas Consumption (before) [KWh / charge]	Natural Gas Consumption (after) [KWh / charge]	Natural Gas Consumption GAIN [KWh/year]
2021	Stenter heat recovery filter system	The waste flue gas from the stenter operation was run through the system and the cold water was heated without mixing with the cold water and used in the process, resulting in partial gas savings in the operation.	6.184.052 kwh/year	5.207.307 kwh/year	976.744 kwh/year
2021	Printing the disperse print printed in convectional printing on Digital Machine	Washing energy consumption during printing was minimized with a more portable machine.			70.500
2022	Replacing the MCS Machine – 200 kg	The old type high energy (electricity, natural gas, water) consuming machine was replaced with a new low energy consuming machine.	332	332	149.400
	Canlar – 200 kg		237	237	106.650
	Canlar – 25 kg	We will consume less energy by purchasing small machines for the production of small parts.			
	Annual gain by switching to low float				42.750
2022	Canlar 200 kg heat insulation application	Machine heat surfaces were insulated to save natural gas.	237	170	30.191
2022	Canlar 25 kg heat insulation application	Machine heat surfaces were insulated to save natural gas.	41	36	2.196
2022	Printing the pigment print printed in convectional printing on Digital Machine	Washing energy consumption during printing is minimized with a more portable machine.			352.500
2023	Condensate measurements of all lines and machines were made at the main plant.	Leaking steam traps were replaced.			70.436
2023	Condensate measurements of all lines and machines were made at the branch plant.	Leaking steam traps were replaced.			979.500

Water 2021-2023

IMPLEMENTATION DATE	Project / Activity Name	Explanation	Water Consumption (before) [m3/charge]	Water Consumption (after) [m3/charge]	Water Consumption (after) [m3/year]
2021	Printing the disperse print printed in convectional printing on Digital Machine	Washing energy consumption during printing was minimized with a more portable machine.			510
2022	Replacing the MCS Machine – 200 kg	The old type high energy (electricity, natural gas, water) consuming machine was replaced with a new low energy consuming machine.	5	5	2.340
	Canlar – 200 kg		4	4	1.800
	Canlar – 25 kg	We will consume less energy by purchasing small machines for the production of small parts.			
	Annual gain by switching to low float		1	1	540
2022	Printing the pigment print printed in convectional printing on Digital Machine	Washing energy consumption during printing was minimized with a more portable machine.			2.500

— VANELLI'S ENERGY CONSUMPTIONS

WEAVING CONSUMPTIONS			DYEING PLANT CONSUMPTIONS	BOYAHANE TÜKETİMLER		
MONTH	ELECTRICITY CONSUMPTION (KWH)	NATURAL GAS CONSUMPTION (M3)		MONTH	ELECTRICITY CONSUMPTION (KWH)	NATURAL GAS CONSUMPTION (M3)
JANUARY	401.793,90	3.698,00		JANUARY	330.096,00	62.055,00
FEBRUARY	445.657,20	5.671,00		FEBRUARY	350.623,50	65.394,00
MARCH	494.350,50	5.699,00		MARCH	420.762,00	73.794,00
APRIL	381.794,25	2.614,00		APRIL	289.613,70	50.220,00
MAY	506.094,30	2.917,00		MAY	385.437,45	65.621,00
JUNE	470.611,05	2.767,00		JUNE	369.470,85	61.816,00
JULY	593.600,10	3.270,00		JULY	428.734,95	66.311,00
AUGUST	566.914,35	3.359,00		AUGUST	435.076,05	64.976,00
SEPTEMBER	508.702,50	2.931,00		SEPTEMBER	426.920,25	67.492,00
OCTOBER	417.429,30	2.749,00		OCTOBER	381.238,80	61.116,00
NOVEMBER	424.839,90	3.465,00		NOVEMBER	392.817,00	66.275,00
DECEMBER	389.943,15	3.464,00		DECEMBER	347.059,65	56.484,00
TOTAL	5.601.730,50	42.604,00		TOTAL	4.557.850,20	761.554,00

— VANELLI'S LEAN 24

LINE LABELS	MAIN CODE STATUS	%
A - Active	465	32%
D - To Be Deleted	15	1%
G - RnD and Purchase Blocked	18	1%
I - Inactive	617	42%
K - Stock Evaluation	90	6%
P - Project	18	1%
R - RD is Blocked	105	7%
Turteks	133	9%
Z -Production Blocked	2	1%
A - Active	3144	26%
D - To Be Deleted	259	2%
G - RnD and Purchase Blocked	25	0.5%
I - Inactive	3205	27%
K - Stock Evaluation	449	4%
P - Project	34	0.5%
R - RD is Blocked	2448	20%
Turteks	2456	20%

— VANELLI'S GREENHOUSE GAS INVENTORY

Category	COMPARISON OF GREENHOUSE GAS RESULTS				2019 tCO ² eq		2022 tCO ² eq			2023 tCO ² eq			
	Category	Emission Type	Emission Source	Location									
1	1.1 Direct Emissions from Stationary Combustion	Stationary Combustion	Natural Gas	Branch	6340,439	6.997,48	5115,603		5,495,05	5,495,05	4535,415	4895,34	4895,34
				Main	273,167						247,682		
	1.1 Direct Emissions from Stationary Combustion	Stationary Combustion - Generator	Diesel	Branch	0,487		0,568	0,511					
				Main	0,649		0,521	0,487					
	1.2 Direct Emissions from On Road Combustion	On Road Combustion	Diesel	-	59,430		73,382	53,822					
	1.2 Direct Emissions from On Road Combustion	On Road Combustion	Gasoline	-	38,664		32,213	40,928					
	1.4 Leakage Emissions from Anthropogenic Systems	Leakage Emissions	Refrigerant Gas Leaks	-	264,224		24,954	23,284					
1.4 Leakage Emissions from Anthropogenic Systems	Leakage Emissions	Fire Extinguishing System Gas Leaks	-	0,422	0,125	0,385							
2	2.1 Indirect Emissions from Purchased Electricity	Purchased Electricity	-	3088,414	7302,49	2245,232	5.416,75	0,0	2085,518	4.648,68	0,00		
			-	4214,072		3171,523			2563,163				
3	3. Indirect Emissions from Transportation	WTT-All Fuels	-	1089,551	2825,75	889,442	2.229,30	2.229,30	792,679	1905,88	1905,88		
	3.1 Indirect Emissions from Transportation and Distribution of Raw Materials	Emissions from Transportation of Raw Materials	-	206,628		316,134			200,614				
	3.2 Indirect Emissions from Transportation and Distribution of Products	Emissions from Transportation of Products	-	1280,589		782,040			676,514				
	3.3 Indirect Emissions from Employee Commuting	Indirect Emissions from Employee Commuting	-	26,184		137,090			139,742				
	3.5 Emissions from Business Travels	Emissions from Business Travels	-	222,802		104,590			96,333				
4	4.1 Indirect Emissions from Purchased Materials	Emissions from Raw Materials	-	13649,171	13,823,13	14118,903	14.259,43	14.259,43	11.771,90	11.908,54	11.908,54		
	4.1 Indirect Emissions from Purchased Materials	Indirect Emissions from Water Supply	-	79,871		37,136			33,233				
	4.3 Indirect Emissions from Solid and Liquid Waste Disposal	Indirect Emissions from Water Treatment	-	87,002		89,512			89,512				
	4.3 Indirect Emissions from Solid and Liquid Waste Disposal	Indirect Emissions from Wastes	-	5,225		11,495			10,999				
	4.3 Indirect Emissions from Solid and Liquid Waste Disposal	Indirect Emissions from Waste Transportation	-	1,378		2,083			2,727				
	4.4 Emissions from the Use of Leased Assets	Indirect Emissions from the Use of Leased Assets	-	0,487		0,302			0,623				
5	5.3 End-of-Life Cycle Emissions of Products	Indirect End-of-Life Cycle Emissions of Products	-	503,03	503,03	503,03	503,03	503,03	503,03	503,03	503,03		
TOTAL					30928,856	31.431,89	27903,561	27903,561	22,486,81	23861,476	23861,476	19.512,80	

— VANELLI'S HAZARDOUS WASTE AMOUNTS

Main Building		
Waste Type	Amount (Kg)	Waste Treatment Method
Medical Waste	11	D9
Contaminated Packaging (15 01 10)	441	R12
Organic Solvents and Sludge (08 01 11)	1.580	R13
Industrial waste (15 02 02/ 16 05 06/ 20 01 21/ 20 01 35)	1.458	R13
TOTAL	3490	-

BRANCH		
Waste Type	Amount (Kg)	Waste Treatment Method
Other Batteries and accumulators (16 06 05)	20	D5
Medical Waste	2	D9
Hydraulic Oils (13 01 13)	200	R9
Dyestuffs containing Hazardous Substances (04 02 16)	495	R12
Contaminated packaging (15 01 10)	9.726	R12
Oil from decomposition (19 02 07)	280	R12
Industrial waste (16 05 06)	175	R12
Industrial Waste (08 01 21/04 02 16/ 16 05 06/ 20 01 21/16 07 08)	891	R13
TOTAL	11.789	-

— VANELLI'S NON-HAZARDOUS WASTE AMOUNTS

Location	Waste Type	Amount (Kg)	Waste Treatment Method
MAIN BUILDING	Plastic Bobbin	11.480	R12
BRANCH	Plastic Bobbin	3.100	R12
MAIN BUILDING	Plastic Bobbin with Thread	18.760	R12
BRANCH	Plastic Bobbin with Thread	23.620	R12
MAIN BUILDING	Paper	-	R12
BRANCH	Paper	108.080	R12
MAIN BUILDING	Paper Bobbin	55.040	R12
BRANCH	Paper Bobbin	4.640	R12
MAIN BUILDING	Nylon	13.560	R12
BRANCH	Nylon	120.160	R12
MAIN BUILDING	Yarn Waste+ Trimmings	80.830	R12
BRANCH	Yarn Waste+ Trimmings	12.800	R12
MAIN BUILDING	Pallet	12.800	R12
BRANCH	Pallet	15.886	R12

— VANELLI'S WATER USE

Date	Dyeing Plant			Main Building		
	Domestic (1st Quality) (m3)	2nd Quality Process (m3)	Dispenser size water (m3)	Domestic (1st Quality) (m3)	2nd Quality Process (m3)	Dispenser size water (m3)
1.01.2023	729	17.011	0,15	1.034	7	0,15
1.02.2023	655	14.903	0,15	1.128	0	0,15
1.03.2023	749	17.894	0,15	1.242	3	0,15
1.04.2023	541	12.730	0,15	1.160	3	0,15
1.05.2023	897	18.150	0,00	1.420	14	0,00
1.06.2023	825	16.701	0,00	1.662	62	0,00
1.07.2023	800	15.931	0,15	1.749	100	0,15
1.08.2023	837	17.281	0,00	1.778	70	0,00
1.09.2023	784	18.075	0,09	1.698	52	0,09
1.10.2023	846	15.451	0,08	1.340	16	0,08
1.11.2023	613	18.522	0,14	966	2	0,14
1.12.2023	487	15.398	0,00	872	3	0,00
Total (m3)	8799	198.047	1,06	16.049	332	1,06

Total Blue Water Footprint	232.437	m3/year
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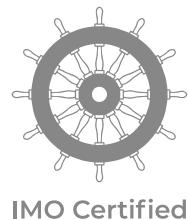
— DYEING PLANT GRAY WATER FOOTPRINT

	Value		Maximum limit		Contaminant load		Gray Water Footprint	Unit
Chemical oxygen demand (COD)	1.213	mg/L	2.750	mg/L	56.775,01	kg/day	36.938,85	m3/day
Suspended solids	194	mg/L	880	mg/L	1.780,46	kg/day	2.595,42	m3/day
Oil grease	82	mg/L	132	mg/L	2.366,92	kg/day	4.7338,4	m3/day
Sulfate	97	mg/L	1.870	mg/L	2.690	kg/day	1.517,20	m3/day
Total Phosphorus	6,1	mg/L	27,5	mg/L	60	kg/day	2.803,74	m3/day
Total Kjeldahl Nitrogen (TKN)	31	mg/L	110	mg/L	6,5884	kg/day	83,40	m3/day
Total Cyanide (T.CN-)	0,009	mg/L	1,1	mg/L	0,137	kg/day	125,56	m3/day
Fluoride (F-)	0,29	mg/L	16,5	mg/L	0,003	kg/day	0,17	m3/day
Phenol	0,55	mg/L	195,15	mg/L	20,00	kg/day	102,77	m3/day
Metals								
Chromium (VI) (Cr+6)	0,009	mg/L	0,55	mg/L	0,084	kg/day	155,98	m3/day
Total Chromium (Cr)	0,009	mg/L	3,3	mg/L	0,084	kg/day	25,64	m3/day
Total Lead (Pb)	0,009	mg/L	2,2	mg/L	0,03	kg/day	15,41	m3/day
Total Cadmium (Cd)	0,009	mg/L	0,11	mg/L	0,01	kg/day	83,55	m3/day
Total Mercury (Hg)	0,009	mg/L	0,055	mg/L	0,002	kg/day	36,69	m3/day
Total Copper (Cu)	0,13	mg/L	3,3	mg/L	0,084	kg/day	26,62	m3/day
Total Zinc (Zn)	0,69	mg/L	22	mg/L	0,169	kg/day	7,92	m3/day
					Total Gray Water Footprint		91.857,31	m3/day

— MAIN BUILDING GRAY WATER FOOTPRINT

Main contaminants	Value	Br	Maximum limit	Br	Contaminant load	Br.	Gray Water Footprint	Unit
Chemical oxygen demand (COD)	254	mg/L	2.750	mg/L	56.775,01	kg/day	22.746,40	m3/day
Suspended solids	175	mg/L	880	mg/L	17.80,46	kg/day	2.525,48	m3/day
Oil grease	31	mg/L	132	mg/L	2.366,92	kg/day	23.434,85	m3/day
Sulfate								
Total Phosphorus	28	mg/L	1.870	mg/L	2.690	kg/day	1.460,37	m3/day
Total Kjeldahl Nitrogen (TKN)	3,3	mg/L	27,5	mg/L	60	kg/day	2.479,34	m3/day
Total Cyanide (T.CN-)	31	mg/L	110	mg/L	6,5884	kg/day	83,40	m3/day
Fluoride (F-)	0,009	mg/L	1,1	mg/L	0,137	kg/day	125,56	m3/day
Phenol	0,29	mg/L	16,5	mg/L	0,003	kg/day	0,17	m3/day
Suspended solids	0,55	mg/L	195,15	mg/L	20,000	kg/day	102,77	m3/day
Metals	0,009	mg/L	0,55	mg/L	0,084	kg/gün	155,98	m3/gün
Chromium (VI) (Cr+6)	0,009	mg/L	0,55	mg/L	0,084	kg/day	155,98	m3/day
Total Chromium (Cr)	0,009	mg/L	3,3	mg/L	0,084	kg/day	25,64	m3/day
Total Lead (Pb)	0,009	mg/L	2,2	mg/L	0,03	kg/day	15,41	m3/day
Total Cadmium (Cd)	0,009	mg/L	0,11	mg/L	0,01	kg/day	83,55	m3/day
Total Mercury (Hg)	0,009	mg/L	0,055	mg/L	0,002	kg/day	36,69	m3/day
Total Copper (Cu)	0,02	mg/L	3,3	mg/L	0,084	kg/day	25,73	m3/day
Total Zinc (Zn)	0,09	mg/L	22	mg/L	0,169	kg/day	7,70	m3/day
					Total Gray Water Footprint		53.309,02	m3/day

Our Certificates



You can find detailed information about the relevant certificate by clicking on the certificate.

Notes

Notes



VANELLI

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