



TAN TEXTILE

SUSTAINABILITY APPROACH

“Sustainable Steps, Strong Tomorrows”

Introduction

Understanding Sustainable Development

Tan Textile operates in a rapidly transforming global environment shaped by climate change, resource constraints, regulatory developments, and evolving stakeholder expectations. In this context, sustainability is not approached as a standalone initiative, but as a structural component of our long-term business strategy.

As an integrated textile manufacturer located in Denizli, we recognize our responsibility to manage environmental impacts, strengthen social integrity, and enhance operational efficiency across all processes. Our sustainability approach is built on measurable progress, certified management systems, and continuous improvement.

This presentation outlines our strategic priorities, governance framework, and transformation roadmap under four core pillars: climate and energy transition, resource efficiency, circular production, and people-centered growth.

Through this structured approach, Tan Textile aims to create long-term value for its customers, employees, business partners, and the communities in which it operates.



Sustainability Performance Highlights

- Operates with 100% Renewable Electricity
- Achieved 29% Reduction in Scope 1 & 2 Emissions (2023-2024)
- Targeting 15% Steam Consumption Reduction by 2025
- Achieved 96% Level 3 Compliance under Zero Discharge of Hazardous Chemicals (ZDHC) Framework





Key Components of Sustainability

The Three Pillars of Sustainability

Environmental Sustainability

Tan Textile addresses the environmental impact of its operations as a strategic priority. Through energy efficiency initiatives, renewable energy investments, water stewardship, and waste recovery practices, we optimize resource use while progressively reducing our carbon footprint. Between 2023 and 2024, Tan Textile achieved a 29% reduction in Scope 1 and Scope 2 greenhouse gas emissions, driven by energy efficiency projects, renewable energy transition, and process optimization initiatives. This measurable reduction reflects our structured decarbonization roadmap aligned with international climate targets. Certified management systems and advanced technologies support our commitment to continuous environmental performance improvement.

Economic Sustainability

For Tan Textile, sustainability is not only an environmental responsibility but also a long-term value creation model. By strengthening operational efficiency, energy independence, risk management, and supply chain transparency, we enhance our competitiveness while ensuring stable and responsible growth. Our sustainable production approach reinforces our position as a reliable global business partner.

Social Sustainability

Tan Textile operates with a people-centered business model. Respect for employee rights, equal opportunity, occupational health and safety, ethical working principles, and responsible supply chain practices form the foundation of our corporate culture. By fostering a safe, inclusive, and fair working environment, we contribute to the sustainable development of both our workforce and the communities in which we operate.



United Nations Sustainable Development Goals (SDGs)

Tan Textile aligns its sustainability strategy with the United Nations Sustainable Development Goals (SDGs), integrating global development priorities into its operational framework. Through responsible production, renewable energy investments, efficient water management, circular material use, and a people-centered corporate culture, we actively contribute to climate action, responsible consumption and production, decent work, gender equality, and affordable and clean energy. By aligning our long-term roadmap with the SDGs, we aim to create measurable environmental and social value while strengthening our global competitiveness.

Start In 2015

Since the launch of the SDGs, Tan Textile has progressively integrated environmental responsibility, ethical business conduct, and resource efficiency into its management systems and production processes.

Goals In 2030

We continue to strengthen our contribution to Climate Action, Responsible Consumption and Production, Affordable and Clean Energy, Decent Work and Economic Growth, and Gender Equality through structured targets and continuous improvement.





Climate Change



Deforestation



Biodiversity Loss



Pollution

Threats to Our Planet



Environmental Challenges



Barriers to
Sustainable
Growth

Economic Challenges

Resource & Energy Cost Volatility

Textile production is highly sensitive to fluctuations in energy and raw material prices. Rising electricity costs, fuel price instability, and global supply constraints directly impact operational expenses. Tan Textile addresses this challenge through renewable energy investments, energy efficiency projects, and long-term supplier partnerships to increase cost resilience.

Regulatory & Carbon-Related Pressures

Increasing environmental regulations, the EU Green Deal, and Carbon Border Adjustment Mechanism (CBAM) create new financial risks for export-oriented manufacturers. Tan Textile strengthens its competitive position by reducing carbon intensity, aligning with international certifications, and integrating sustainability into its long-term growth strategy.

Global Market Competition & Demand Shifts

The global textile market is undergoing rapid transformation driven by sustainability expectations and shifting consumer demand. Brands increasingly prioritize traceability and responsible production. Tan Textile responds by investing in certified materials, transparent supply chain systems, and innovation-driven production capabilities to remain a preferred global partner.



Workforce Expectations & Talent Retention

The textile industry faces increasing expectations regarding fair wages, safe working conditions, and employee well-being. Attracting and retaining qualified talent is becoming a strategic priority. Tan Textile addresses this challenge by investing in occupational health and safety systems, continuous training programs, and inclusive workplace policies that promote long-term employee engagement.

Supply Chain Transparency & Ethical Compliance

Global brands demand higher levels of traceability and ethical compliance across the entire supply chain. Social audits, human rights due diligence, and responsible sourcing have become critical competitive factors. Tan Textile strengthens its governance framework by implementing internationally recognized certifications and supplier monitoring systems to ensure compliance and transparency.

Diversity, Equality & Social Responsibility

Stakeholders increasingly expect measurable commitments to gender equality, diversity, and community contribution. Tan Textile fosters equal opportunity policies, supports female employment, and contributes to local community development initiatives, reinforcing its role as a responsible corporate citizen.

Social Challenges

Solutions for Sustainable Development



Strategies for a Better Future

Renewable Energy Transition

As of 2024, Tan Textile operates with 100% renewable electricity, supported by on-site solar investments and certified green energy procurement. This transition significantly reduces our Scope 2 emissions and strengthens our energy independence strategy.

Circular Production Model

We integrate circular economy principles by optimizing material use, increasing recycled fiber content, and minimizing production waste. Process efficiency and responsible raw material sourcing form the foundation of our resource management strategy.

Green Infrastructure & Water Stewardship

Advanced wastewater treatment systems, water recycling practices, and digital monitoring tools help reduce water intensity per unit of production. Continuous infrastructure investments enhance operational sustainability and regulatory compliance. Through insulation projects across steam lines and production areas, we target a 15% reduction in steam consumption by the end of 2025, improving thermal efficiency.

Eco-Efficient Product Development

Sustainability is embedded in product design through certified materials, low-impact dyeing techniques, and lifecycle-oriented innovation. Our approach strengthens customer partnerships while aligning with global sustainability standards.

Role of Governments & Organizations



Policy Alignment & Global Engagement

Tan Textile operates in alignment with national regulations and international sustainability frameworks. We proactively adapt to evolving environmental and social legislation, including EU Green Deal requirements and global compliance standards relevant to the textile industry. Through cooperation with industry associations, certification bodies, and international customers, we strengthen transparency, traceability, and responsible production practices across our value chain. By integrating regulatory foresight into our strategic planning, Tan Textile enhances risk resilience, ensures long-term market access, and contributes to sustainable economic development at both national and global levels.

Reducing Carbon Footprint

Every employee contributes to reducing environmental impact through responsible energy use, waste separation and efficient resource management in their daily activities. The internal awareness program encourages measurable behavioral change across all departments.

Responsible Production & Consumption

Operational teams support sustainable production by minimizing material waste, optimizing process efficiency, and prioritizing certified raw materials. The implementation of an automated chemical dosing system eliminates direct employee exposure to chemicals and ensures controlled chemical usage. In alignment with the Zero Discharge of Hazardous Chemicals (ZDHC) framework, 96% of our chemical inventory complies with Level 3 under the latest ZDHC version, significantly reducing environmental impact. Individual accountability strengthens Tan Textile's circular production objectives.

Advocacy & Sustainability Awareness

Employees and business partners act as sustainability ambassadors by promoting ethical practices, workplace safety, and community engagement. Continuous training programs reinforce a culture of responsibility and transparency.

Role of Individuals

How Everyone Contributes

Sustainability at Tan Textile is not limited to policies or management systems; it is embedded in everyday decisions. By fostering a culture of ownership and accountability, we ensure that environmental and social responsibility becomes a shared commitment across the organization.

Case Studies

Real-World Examples of Sustainability

Real-World Implementation of Sustainability

At Tan Textile, sustainability is embedded into operational decision-making and continuous improvement processes. Our approach is driven by measurable actions that enhance environmental efficiency, social responsibility, and long-term economic resilience.

On-Site Solar Energy Investment

Tan Textile has implemented rooftop solar panel systems to reduce dependency on conventional energy sources. This investment contributes to lowering operational carbon intensity and increasing energy cost predictability.

Water Recycling & Process Optimization

Through advanced wastewater treatment and water reuse systems, we reduce freshwater consumption per unit of production. Digital monitoring systems improve process efficiency and ensure regulatory compliance.

Waste Reduction & Circular Practices

Production waste is minimized through material optimization and recycling partnerships. By integrating circular economy principles into our operations, we reduce landfill impact and improve raw material efficiency.



Thank You

Let's Build a Sustainable Future Together

We welcome collaboration opportunities, sustainability partnerships, and long-term business relationships built on responsibility and transparency.

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