

SUSTAINABILITY ENVIRONMENT MANAGEMENT

REPORT 2022

Prepared by CSR TEAM 2023/02/07



A B O U T | DEVELOPMENT HISTORY TOP STAR & SUPPLY CHAIN DEPLOYMENT

We have high-quality cooperative factories in China and wholly owned weaving and dyeing integrated factories in Cambodia and Vietnam. We have established a complete and flexible supply chain system, which can provide fast, high-quality, stable supply services according to customer needs.

| Time | Development History | | |
|------|--|--|--|
| 1995 | Hongkong,Top Star Textile Ltd.(HQ) | | |
| 1995 | Guangzhou, Branch Office | | |
| 2003 | Shanghai, Branch Office | | |
| 2005 | Ningbo, Invest Yingxing Textile Ltd. | | |
| 2006 | Shanghai, Chintex Enterprises LTD | | |
| 2011 | Cambodia,Top Sports Textile Ltd. | | |
| 2019 | Vietnam, Top Star Textile Vietnam Company Ltd. | | |
| 2019 | Taiwan, Branch Office | | |
| 2019 | Listed on the Taiwan Stock Exchange | | |
| 2022 | Vietnam, Top Sports Textile Vietnam Co.,Ltd started construction | | |









Top Management Support & Direct

• Sustainable development affairs are supervised by the Group CEO, managed by CSR Deputy General Manager and Corporate Social Responsibility (CSR) Department;

We Evaluate/Advise/Supervise

- Identify, evaluate and manage the impact of the company's operating activities on sustainable development issues, and regularly report the project progress and performance;
- Supervise the sustainable practices of factories, and carry out evaluation and audit.



Transparent & Credible

We attach importance to communication and dialogue, understand stakeholders' concerns, and show the company's efforts in sustainable production to stakeholders

| Stakeholder | Focus | Communication |
|-----------------------------|--|---|
| Employees & Families | employee-employer relationsOccupational health and safetyLabor rights and interestsTraining and Career Development | Staff communication meetings, employee congress, trade union, complaint box |
| Shareholders 8 Investors | corporate governancebusiness performance | The Board of Directors and the Shareholders' Meeting Legal person presentation Public information |
| Client | Product quality & production efficiency Innovative products & technologies Customer communication & complaint management | Email, phone calls, offline meetings Visit & inspect the factory regularly Exhibition & promotion activities |
| Supplier | Product price, quality, & serviceSupplier management | Telephone, email, offline meetings Visit & inspect factories Contract contract |
| Government | Local regulations follow Environmental Management & Assessment Workplace health and Safety | Telephone, official document, mail traffic Government meetings, government public website Factory visit, supervision and inspection |
| Community | Protect the environment against pollutionSupport community development | Energy conservation and emission reduction, charitable donations, and participation in volunteer activities |
| Media & NGO | Governance transparencyEnvironmental protection production | Participate in trade association meetings Public platform disclosure |
| Academy | Promote industry developmentProvide employment opportunities | Industry-university-research, internship, education |



A B O U T | C L I M A T E - R E L A T E D TOP STAR | FINANCIAL RISK CONTROL



Physical Risk

• Climate change and its secondary disasters will cause great damage to factory operation and supply chain circulation.

HOW TST

REACT



Environment Emergency Management



Roof Top Solar



Coal Phase-out



Sustainable Products



Transformation Risk

• The transformation of the industry will pose great challenges to the factory's compliance, technical level, business environment and corporate image.

HOW TST



Identification & Follow-up of Laws



Energy-saving Equipment

REACT



Exploration of Green Energy Market



ESG Disclosure



| TYPE | CLIMATE-RELATED RISK | POTENTIAL FINANCIAL IMPACT | CONTROL MEASURES/PLANS | | | | |
|---------------|---|---|---|--|--|--|--|
| Physical Risk | Acute Risk | | | | | | |
| | Extreme weather events (Such as typhoon, flood) | Threaten personal and property safety, supply chain and logistics interruption | Incorporate adaptations into business strategies and plant emergency plans; Diversified origin and material sources | | | | |
| | Chronic Risk | | | | | | |
| | Frequent extreme heat temperatures | Energy cost, high temperature subsidy cost increases; personnel production enthusiasm decreases | Promote RTS and other carbon reduction projects; heat prevention and cooling measures in the factory | | | | |
| | Sea level rise | Threaten personal and property safety, supply chain and logistics interruption | Include risk considerations into infrastructure planning and supplier management procedures | | | | |
| | Freshwater salinity rises | The cost of fresh water supply is rising | Increase the construction of recycling water | | | | |
| | Persistent and severe drought | Supply costs of raw materials and fresh water are rising | facilities, improve the efficient water-saving process; Sustainable raw materials, such as GOTS, GRS, OCS, RCS, etc | | | | |



| IYPE | CLIMATE-RELATED RISK | POTENTIAL FINANCIAL IMPACT | CONTROL MEASURES/PLANS | | | |
|------------------------|--|---|---|--|--|--|
| | Policies & Laws | | | | | |
| | Stricter Policies & Regulation | Compliance costs rise; Risk of stopped production | Following the policy and legal norms, continuous technical update | | | |
| | Technology | | | | | |
| Transformation Risk | Low Carbon Technology | Cost spending increased | Group carbon reduction strategy | | | |
| | Market House | | | | | |
| | Supply Chain & Logistics Disruptions | Delay in raw material supply and cost logistics | Adopt sustainable raw materials; seek product localization supply chain | | | |
| | Green Electricity Market | Increase electricity purchase expenses | Seek cooperation with professional green electricity trading institutions; seek other energy markets | | | |
| | Industry Restructuring | Investment in low-emission production has shifted to on-demand production | Global partnership with customers and institutions, Industry 4.0 and outstanding intelligent manufacturing factory and smart warehouse | | | |
| | Reputation | | | | | |
| | Customer Requirements for Improvement | Orders fell due to failure to meet customer requirements | Working with customers to promote various sustainability initiatives; Participation of the stakeholders and evaluation of important topics; The Group sustainability Report discloses important ESG information | | | |
| | Investor Attention Increases, and increasingly stringent ESG ratings | The capital supply is affected | | | | |

TYPE CLIMATE DELATED DICK DOTENTIAL EINANCIAL IMPACT CONTROL MEACHDEC/DLANC





Climate Action

Energy Efficiency Water Efficiency For TST, sustainability is not independent from production, but integrated into all development strategies.















We are committed to improving the following7 fields, making them part of our corporate culture& the responsibilities of each employee and department.

Chemical Management

Wastewater Exhaust Gas

Waste Management

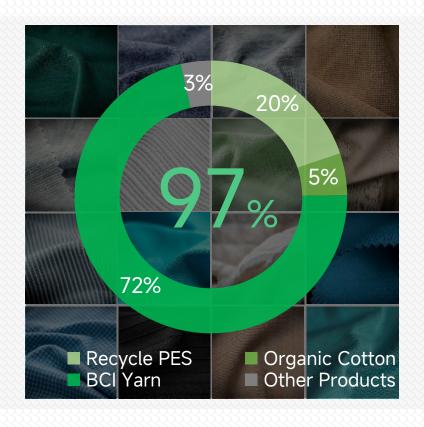


Climate Action Energy Efficiency Water Efficiency Chemical Management Wastewater Exhaust Gas

Waste Management

MAKE TEXTILE MAKE GREEN LIFE

- Recycled Polyester
- Organic Cotton
- BCI Yarn
- * We infer our sustainable products composition by analysing our yarn procurement





Climate Action Energy Efficiency Water Efficiency Chemical Management

Wastewater Exhaust Gas Waste Management

- Global Recycle Standard (GRS)
- Recycled Claimed Standard (RCS)
- Global Organic Textile Standard (GOTS)
- Organic Content Standard (OCS)
- Better Cotton Initiative (BCI)
- U.S. Cotton Trust Protocol (USCTP)



Commitment & Ability

to purchase sustainable raw materials, and produce sustainable products





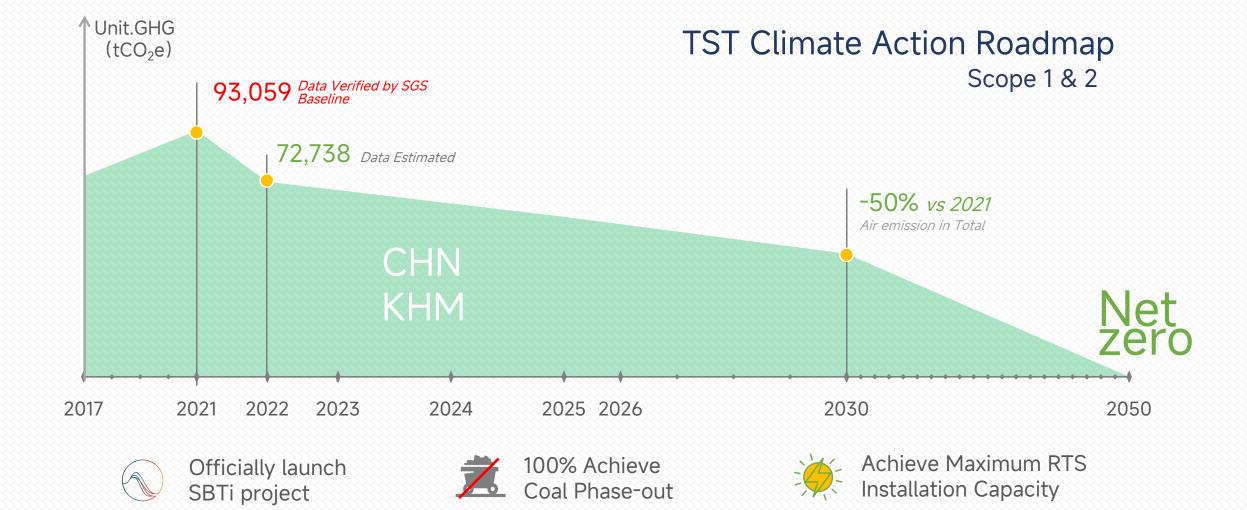


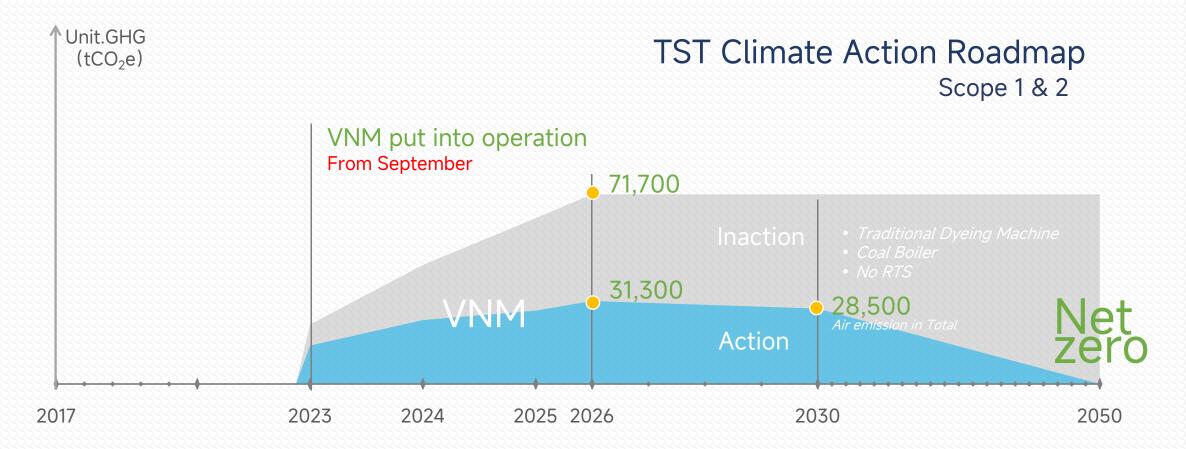
Overall & Responsible

management system to reduce the environmental footprint of raw materials & products



- ISO45001 Occupational Health & Safety Management System
- ISO14001 Environment Management System
- ISO 9001 Quality Management System







Officially launch SBTi project



100% Adopt Biomass Boiler at the Beginning



RTS Synchronous Installation with the Facility



Climate Action Energy Efficiency Water Efficiency Chemical Management

Wastewater Exhaust Gas

Waste Management

Dec.2022

2023

2024

2030

Continuous Carbon Reduction

GHG Verification Finished

Set targets & Roadmap Officially Confirmed by SBTi

in the Group wide

CO₂e -50%

Nov. 2022

Completed GHG Inventory for the first time

Aug. 2022

TST SBTi Project Launched; Training & Certificating











Jul. 2022

TST SBTi Special Team has been set up



Climate Action Energy Efficiency Water Efficiency Chemical Management

Wastewater Exhaust Gas

Waste Management

KHM

Cooperating with MSEZ
Invest RTS in PPA
mode

CHN

Carry out 3rd round of survey

VNM

Incorporated into the construction plan Feasibility study and investment plan



100%

80%

60%

40%

20% KHM, CHN Final Survey Done

0%

2023

KHM, CHN

Achieve 100% Potenital Capacity Installation

VNM Final Cur

Final Survey Done

23,000 m² Installed Area

1,800 MWh

Generated per Year

4 % of Annal Power Consumption

KHM, CHN, VNM Achieve 100% Potenital Capacity Installation

43,000 m² Installed Area

3,300 MWh

Generated per Year

5 % of

Annal Power Consumption

2024 2025

Climate Action Energy Efficiency Water Efficiency Chemical Management

Wastewater Exhaust Gas

Waste Management

KHM

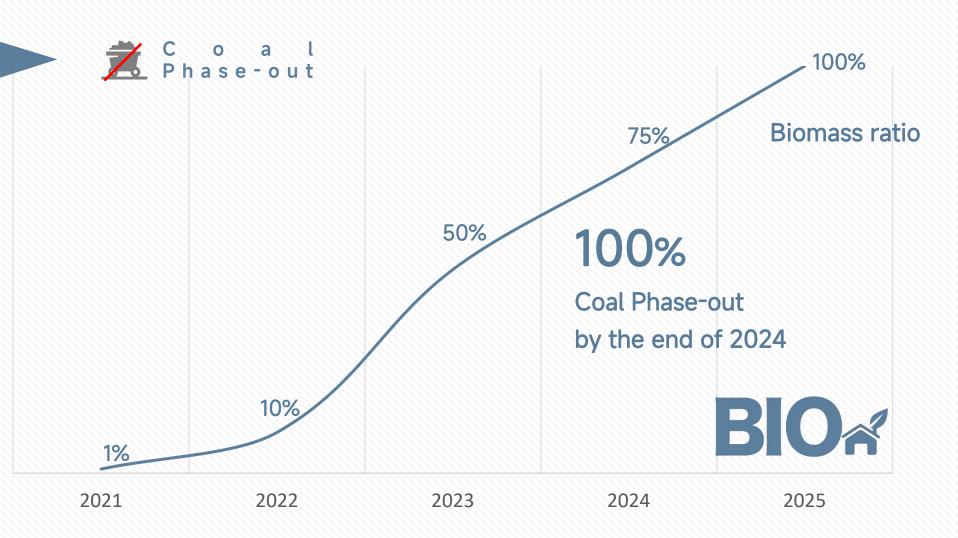
Gradually invest in replacing and reforming biomass boilers

CHN

Purchase steam
No coal use

VNM

Incorporated into the construction plan
All Biomass boiler



Conventional Process

Pre-treatment +

Dyeing

After-treatment





All in ONE

- Low mechanical efficiency
- High consumption of energy/water/chemicals

Climate Action

Energy Efficiency

Water Efficiency

Chemical Management

Wastewater **Exhaust Gas**

Waste Management

TST Low Carbon Technology - Separate Processes







Continuous Pre-treatment









Continuous After-treatment



Climate Action

Energy Efficiency

Water Efficiency

Chemical Management Wastewater **Exhaust Gas**

Waste Management

TST Low Carbon Technology - Separate Processes









Water Consumption

CO2 Footprint

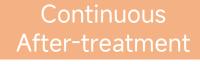
Chemical Consumption

Continuous Pre-treatment













Climate Action

Energy Efficiency

Water Efficiency

Chemical Management

Wastewater **Exhaust Gas**

Waste Management

TST Low Carbon Technology - Separate Processes







CPB Pre-treatment





Low LR Dyeing





Continuous After-treatment





Climate Action Energy Efficiency Water Efficiency Chemical Management Wastewater Exhaust Gas

Waste Management

Conventional Process

Pre-treatment + Dyeing (1:8) + After-treatment

123 L/kg

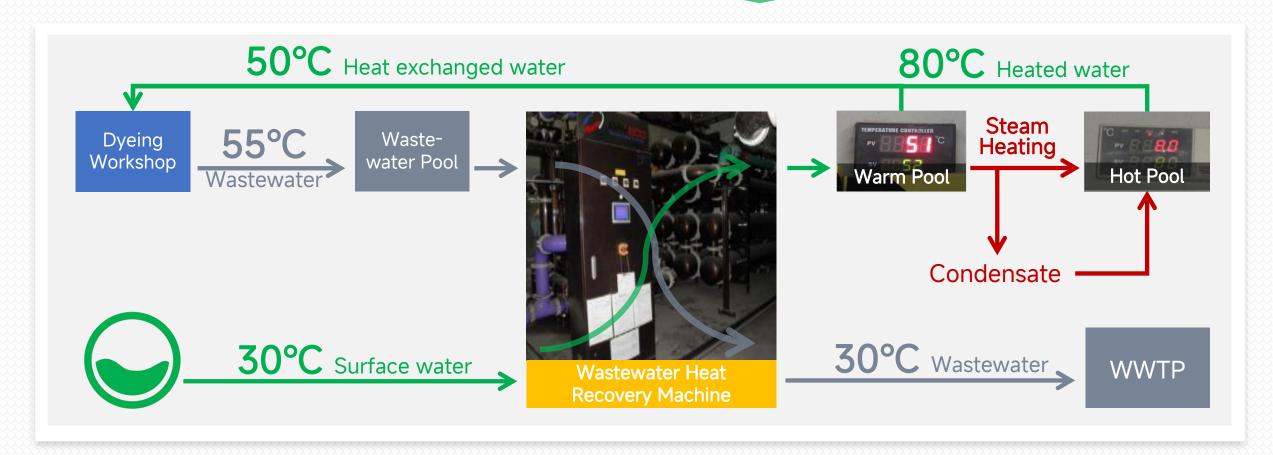
Consumption

TST Low Carbon Technology – Separate Processes **Estimated Savings** Dyeing Continuous Continuous -70% -60% CHN Pre-treatment (1:4)After-treatment Water CO₂ Footprint Consumption Continuous Dyeing Continuous -90% -75% -55% CHN (CPB1:1) Pre-treatment After-treatment CO₂ Footprint Chemical Water Consumption Consumption Step 3 Step 1 Step 2 -40% -45% Dyeing Pre-treatment Continuous **KHM** (CPB) (1:4)After-treatment Water CO₂ Footprint

Climate Action Energy Efficiency Water Efficiency Chemical Management

Wastewater Exhaust Gas

Waste Management



Wastewater Heat Recovery

- Heat the cold surface water to be put into the Dyeing Machine by using the waste heat from waste dyeing water.
- Save energy consumption.

Integrated Management

We systematically control chemicals from the input, process management & output to mitigate the environmental impact of chemicals throughout the process.

Chemical Input



MRSL Level 3

≈75%





CIL BVe3 CMA







Output





Wastewater Compliance

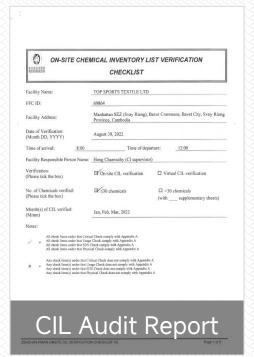
Sustainable

Products

Compliance & Disclosure

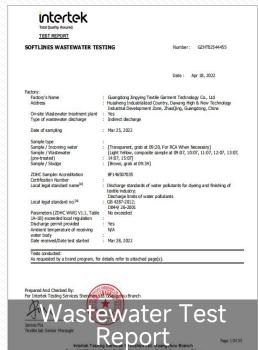
We fully adopt the ZDHC platform, Wastewater Guidelines, and join the Supplier to Zero project. We publicly disclose relevant information on IPE DETOX and ZDHC Gateway.











Investment & Compliance

Wastewater



 Conduct wastewater test as per regulations and ZDHC Guidelines

Waste

- Build classification
 & storage facilities
- Third-party units recycling

Exhaust Gas

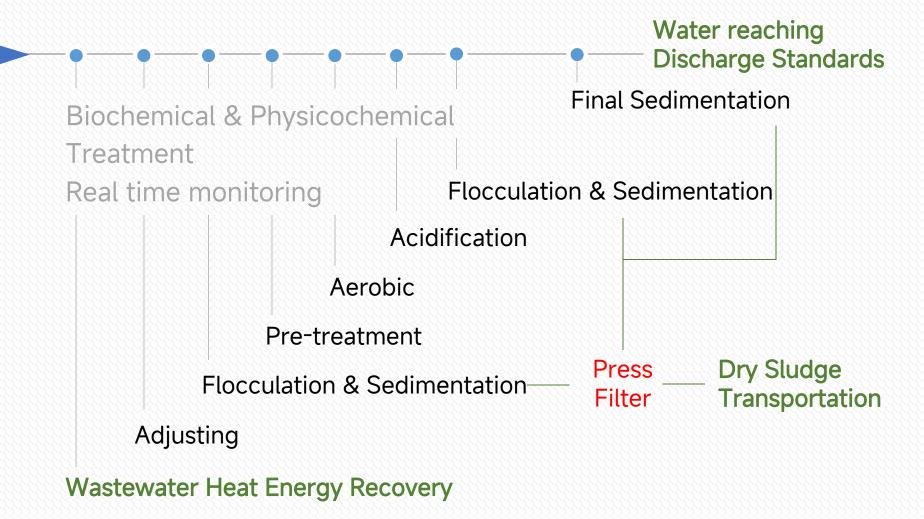


- Invest gas cleaning Machines
- Conduct air emission test as per regulations

Wastewater





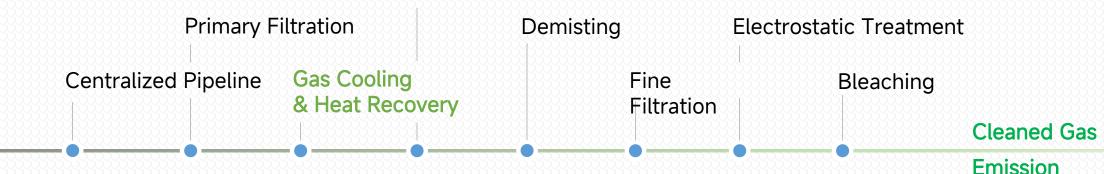


Climate Action Energy Efficiency

Water Efficiency Chemical Management

Wastewater Exhaust Gas Waste Management





KHM

Collection

Exhaust Gas

Air emissions are tested every 1 years as per regulations

CHN

 Different objects are tested once a quarter ~ once a year as per regulations







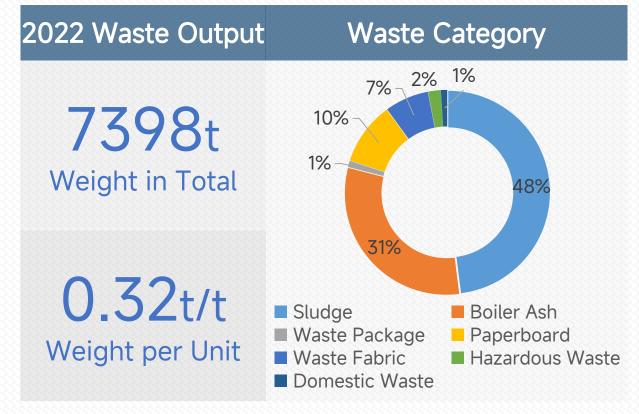
Energy Efficiency

Water Efficiency

Chemical Management

Classify & Store

We adhere to the principle of "Reducing, Recycling & Detoxificating", we reduce waste from the source, classify and store waste according to its characteristics.













Energy Efficiency

Water Efficiency

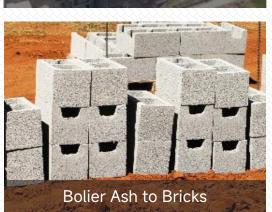
Chemical Management

Recycle & Reuse

We actively promote the concept of circular economy as well as the comprehensive utilization of solid wastes, achieve agreements with various third-party waste recycling units.

Diversion Rate Diversion Category 99% 'Zero Landfill' Rate Waste to Energy ■ Waste Recycling ■ Chemical Drums Refilling











SUSTAINABLE | 5 - Y E A R P L A N TOP STAR | PERFORMANCE

2017-2022

| 97% (2022) | -21% (2022vs2021 Baseline) 73,728 tCO ₂ e Scope 1+2 | -19% (2022vs2017) 34 MJ/kg | -25% (2022vs2017) 81 L/kg | Adopt the BVe3 & ZDHC platform to Continuously improve MRSL as well as other chemical management | Strictly follow the legal requirements and take advance actions | process Intelligent packaging Improve RFT Qualified third party co |
|---|--|---|---|--|---|--|
| Sustainable Products | Climate Action | Energy Efficiency | Water Efficiency | compliance | | recycling |
| Seek cooperation with | RTS Project in progress | CPB DyeingLow Liquor Ratio VatContinuous Pre- | CPB Dyeing | Chemical Management | Wastewater Exhaust Gas | Waste Management |
| more sustainable raw material suppliers to produce more sustainable products | Gradually replace coal boilers with biomass boilers Commit to join SBTi | treatment/After- treatment • Wastewater heat recovery | Low Liquord Ratio Vat Continuous Pretreatment/Aftertreatment | 75% MRSL Level.3 (2022) 60% in 2017 | 100% Compliance (2022) 100% in 2017 | 99% Waste Diversion (2022) 57% in 2017 |

SUSTAINABLE | ENVIRONMENT TOP STAR | ROAD TO 2025

Sustainable Water Climate Energy Efficiency Efficiency Products Action 98% -30% -18% -10% 80% 100% 99% (MRSL Lv.3) (Compliance) (Waste Diversion) (Recycled PES) (2025vs2021) (2025vs2021) (2025vs2021) (Organic Cotton) (BCI Yarn) Waste Management Management

SUSTAINABLE | ENVIRONMENT TOP STAR | PERFORMANCE

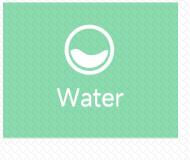












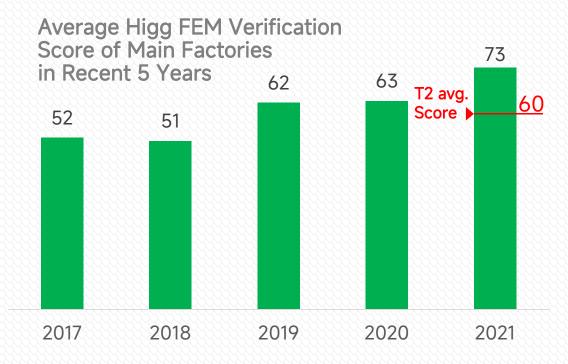












SUSTAINABLE | A W A R D S TOP STAR & HONORS



















"Manufacturing Excellence & Innovation"

"Performance Award"

"Leadership/Sustainability Award" for 3 consecutive years

> "Adidas GASA Champion" for 2 consecutive years

"Reliability Award"

"Golden Shoes Prime"

"Outstanding Contribution Award"







Ella Wu ella@tstco.com

ENVIRONMENTAL MANAGEMENT MANAGER TOP STAR TEXTILE LTD.

We sincerely hope that this *Sustainability Report* can provide useful information to our stakeholders.

We are also looking forward to your valuable comments on the content of this report and our sustainability work.

Should you have any questions or suggestions, please feel free to contact us, thank you.





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