

Since 1969



集盛實業股份有限公司
ZIG SHENG INDUSTRIAL CO., LTD.

2024 Investor Conference



Ticker: 1455 TT

DEC 12, 2024

INNOVATION / SPECIAL / FUNCTION / INTEGRATION / ENVIRONMENT

Net Zero Transformation Strategy

Environment Protection

- Greenhouse gas emissions management
- Carbon emission benefits of green products



Process improvement

- Replace high-efficiency equipment

Energy conversion

- Established solar power plant
- Exchange coal into natural gas

Circular Economy

- Green products promotion
- Green certifications
- Sustainable products
- Impelling recycled textile yarn
- Operational goals of green products

Greenhouse gas emissions management

2012	Introducing ISO 14064-1, conducting a greenhouse gas emissions inventory, and obtaining annual certification.
2013	Implementing the ISO 14001 Environmental Management Systems, conducting regular audits to ensure effectiveness.
2014	The Guanyin Factory has passed third-party impartial verification and undergoes regular audits for validation.
2022	In the second quarter, initiate product carbon footprint inventory. In the third quarter, completed ISO 14067 third-party verification (by BSI - British Standards Institution). The verification scope includes general nylon chips, recycled nylon scrap chips, and recycled nylon fishing net chips.
2024	Completed greenhouse gas inventory and verification for the privately-owned company(parent company) and its subsidiary.

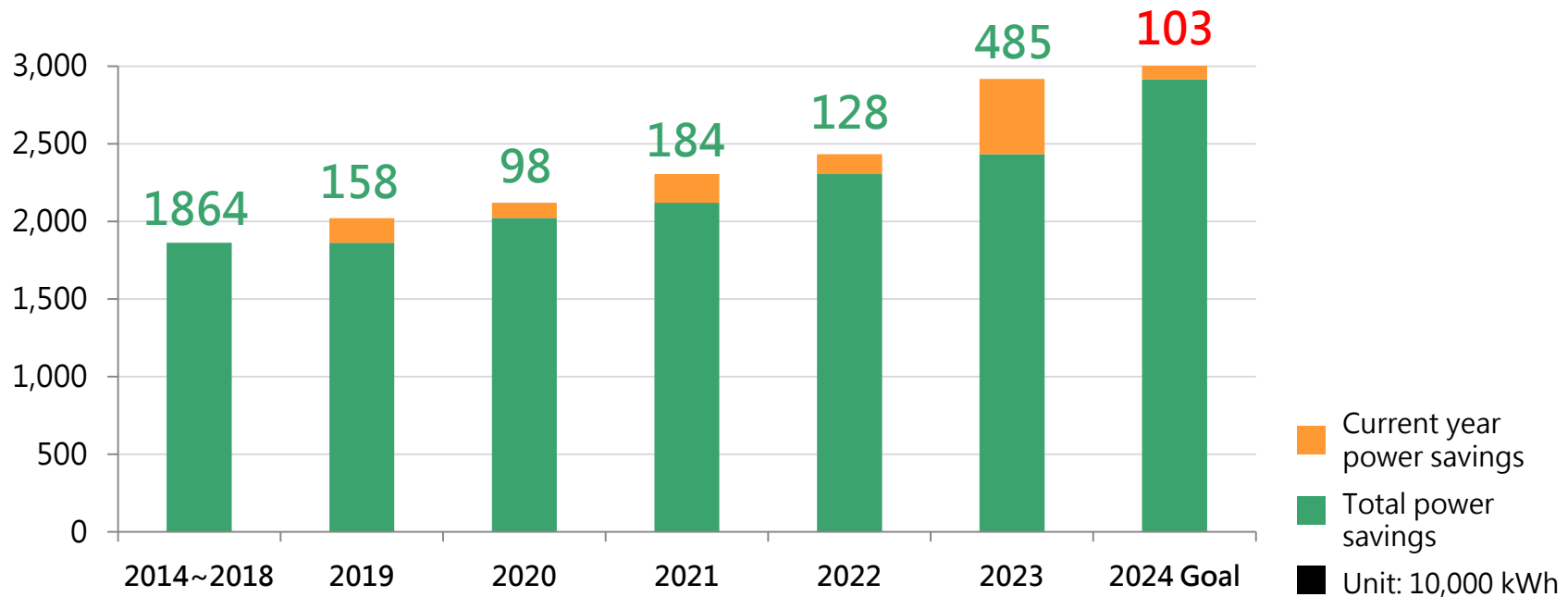
Carbon emission benefits of green products

Product	Recycled Polyester Chips		Recycled Nylon Chips	
Material	Bottle flake		Recycled nylon	Recycled fishing net
Ratio of carbon reduction	<p>-70%</p>		<p>-97%</p>	<p>-95%</p>
			<div><div></div> carbon emission<div></div> carbon reduction</div>	
Annual production	7,414 Mt		627 Mt	
Annual carbon reduction	14,160 Mt CO ₂ e		2,662 Mt CO ₂ e	
Total annual carbon reduction	16,822 Mt CO ₂ e			

Process improvement

2014
|
2024

Save **30.21** million kwh
Reduce carbon footprint **15,684** Mt CO₂ e



Energy conversion

☞ Introduced into "ISO 50001 Energy management system" in 2018.

Digitized monitoring effectively enhances energy efficiency.

☞ Regenerate **solar power** has reached 3368 kw.

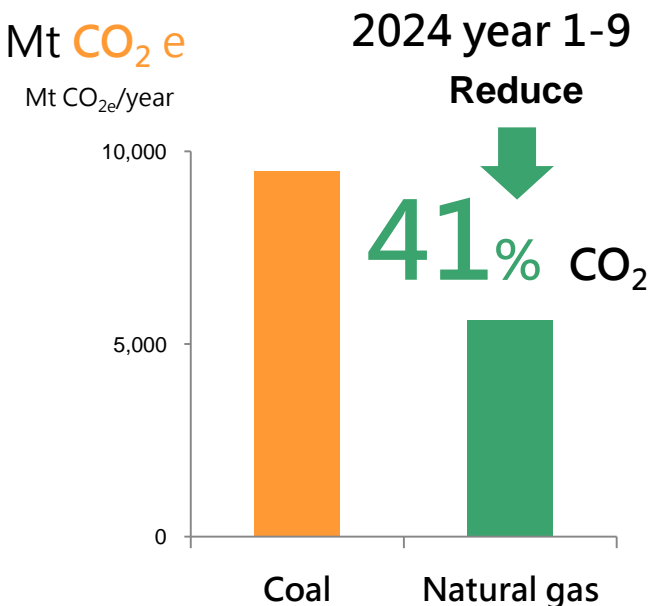
During the first three quarters of 2024, electricity generation reached **3.15** million kWh, and the carbon reduction is **1,558** Mt CO₂e

By the end of 2024, total electricity generation is estimated to reach **17.23** million kwh, and the carbon reduction is **8,682** Mt CO₂e

☞ Exchange coal into **low-carbon emission natural gas**

During the first three quarters of 2024, the carbon reduction is **3,869** Mt CO₂e

By the end of 2024, the total reduction is estimated to reach **17,595** Mt CO₂e



Green products promotion



Sustainable

- Reduce waste
- Reuse
- Reduce carbon emissions





Dope dyed

- Energy saving
- Waste reduction
- Save water



Bio-based

- Reduce carbon emissions
- No crop sourcing

-  Operating
-  Advanced goals

Green Certifications



Global recycled standard



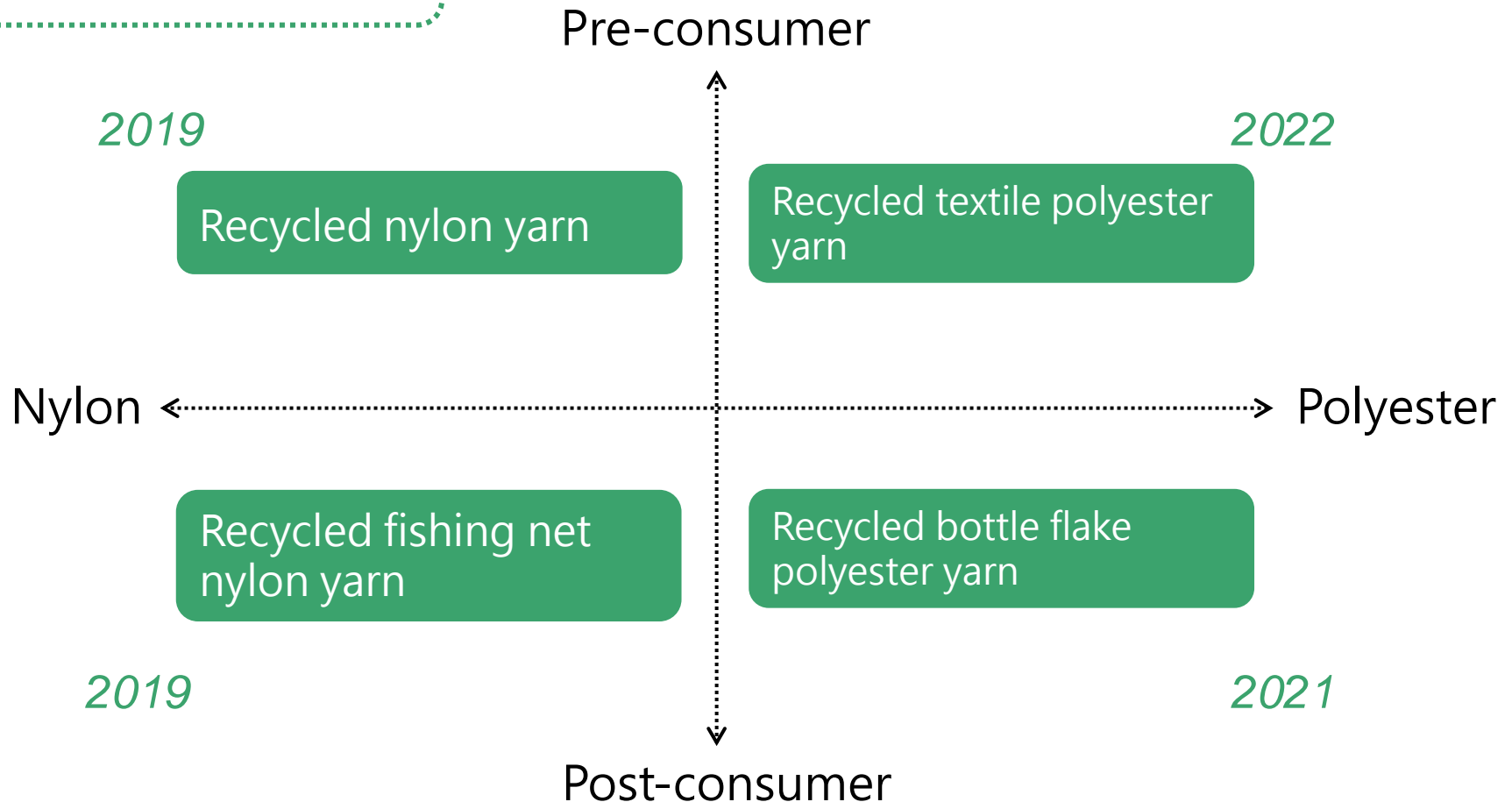
OEKO-TEX



Carbon footprint
of products
ISO 14067:2018

Sustainable products

Chips→POY/FDY→DTY/ATY
Consistent production



Operation goals of green products

