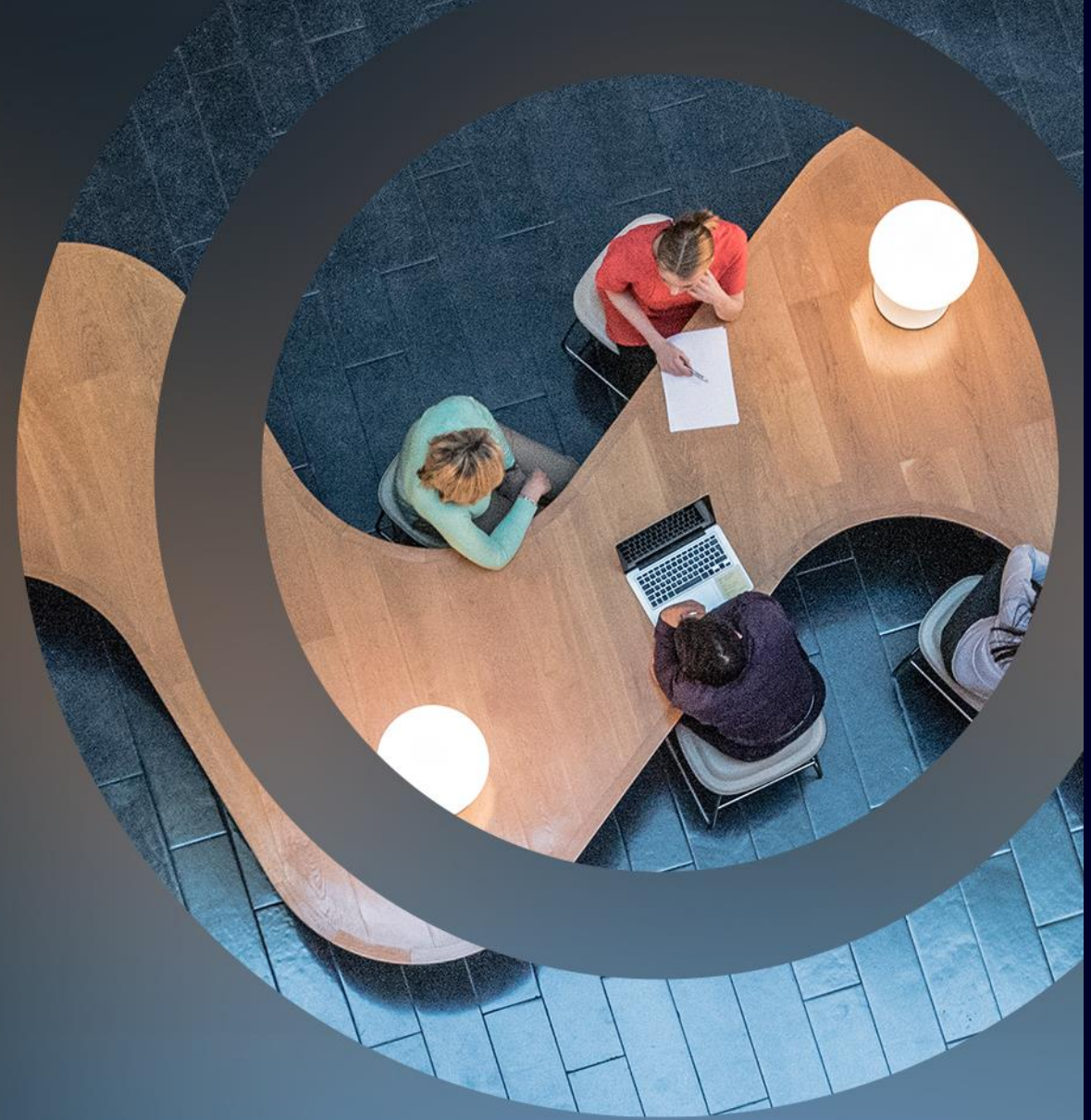


Technology to transform the everyday



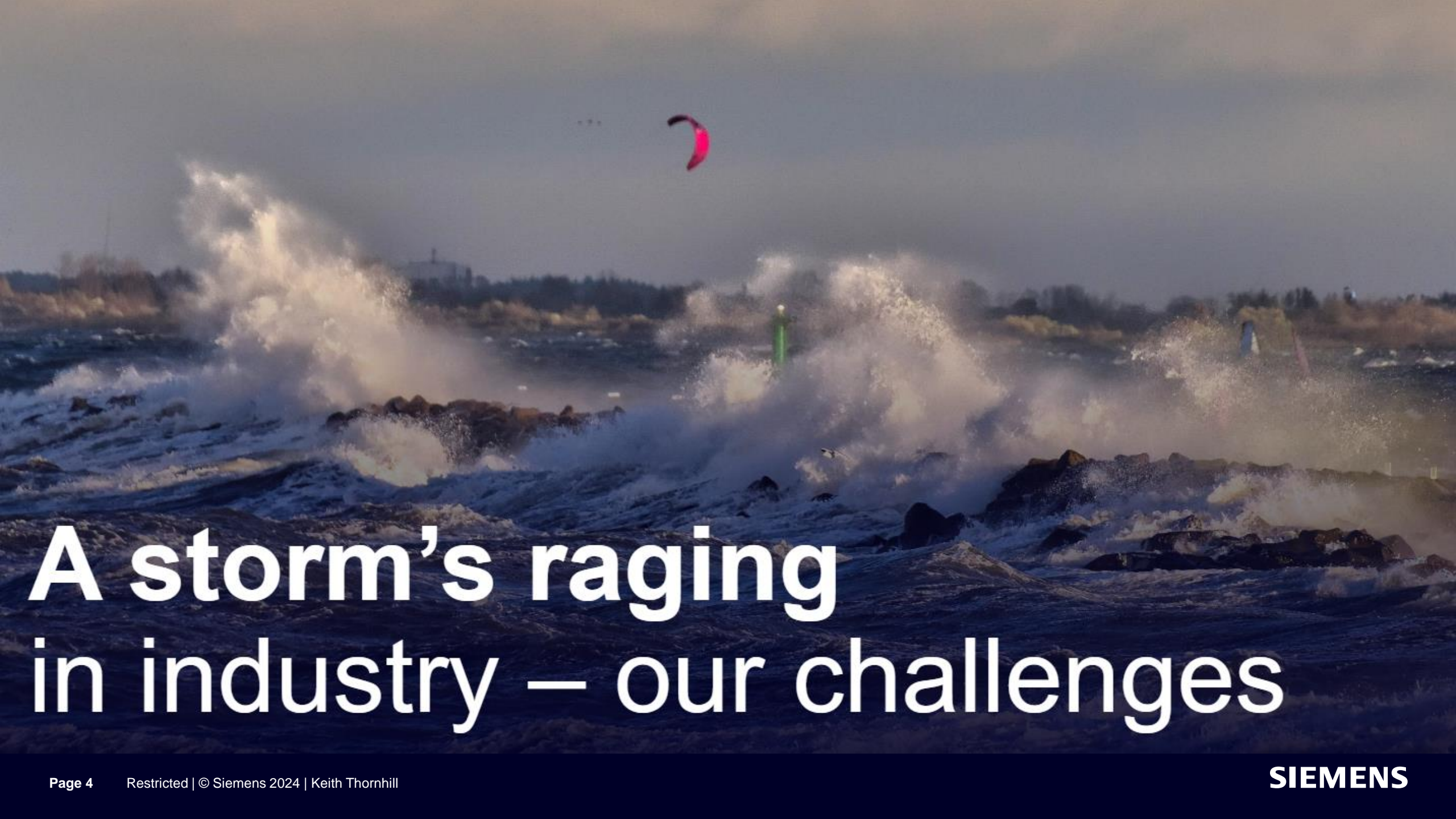
Siemens & Vendigital

Vendigital is part of Siemens Advanta, the professional services business unit of Siemens - further enhancing how we support clients' end-to-end digital journeys with their operational capability



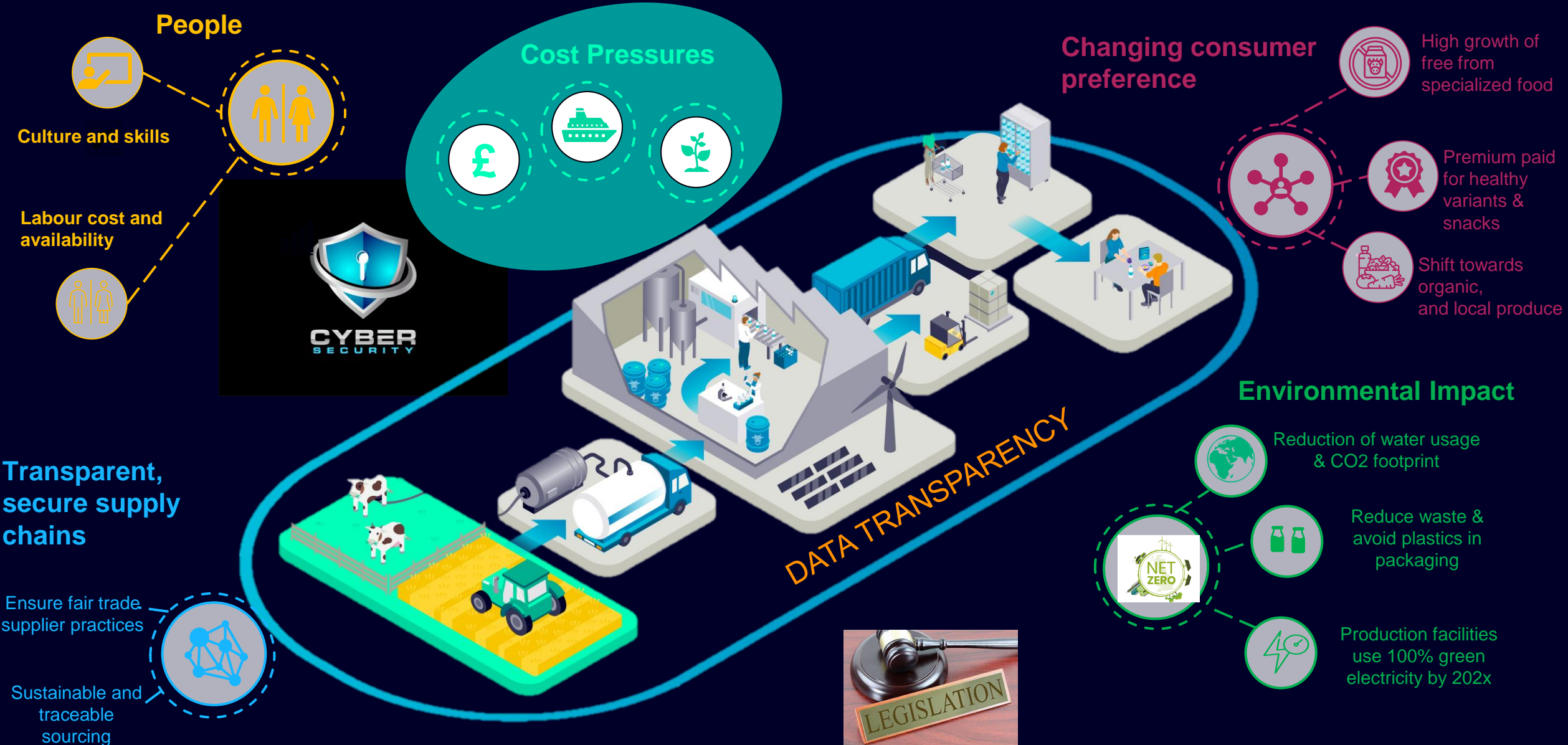
POLL 1





A storm's raging in industry – our challenges

Trends and challenges with high impact on Food & Beverage Manufacturing



Waste has a bottom-line impact on cost and carbon

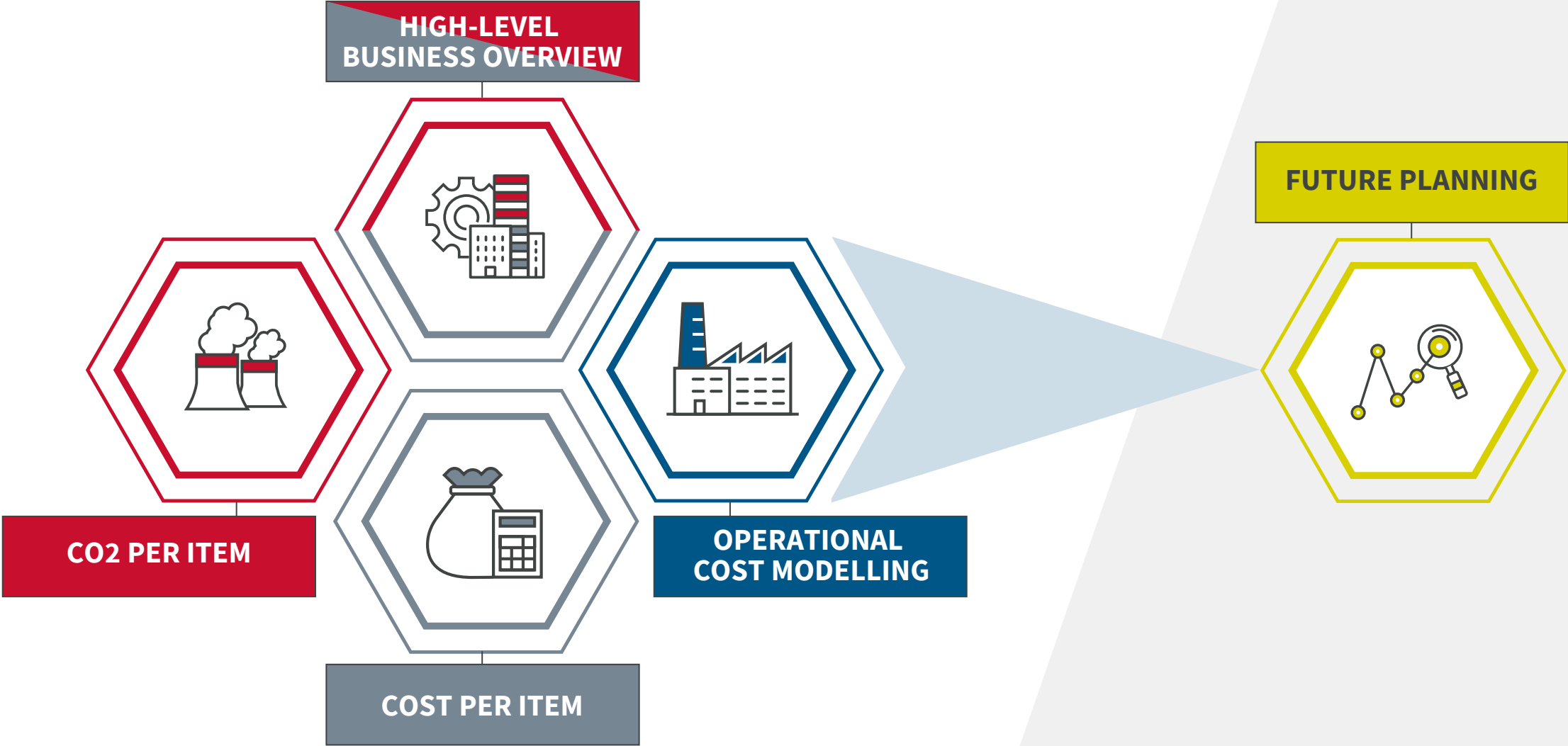




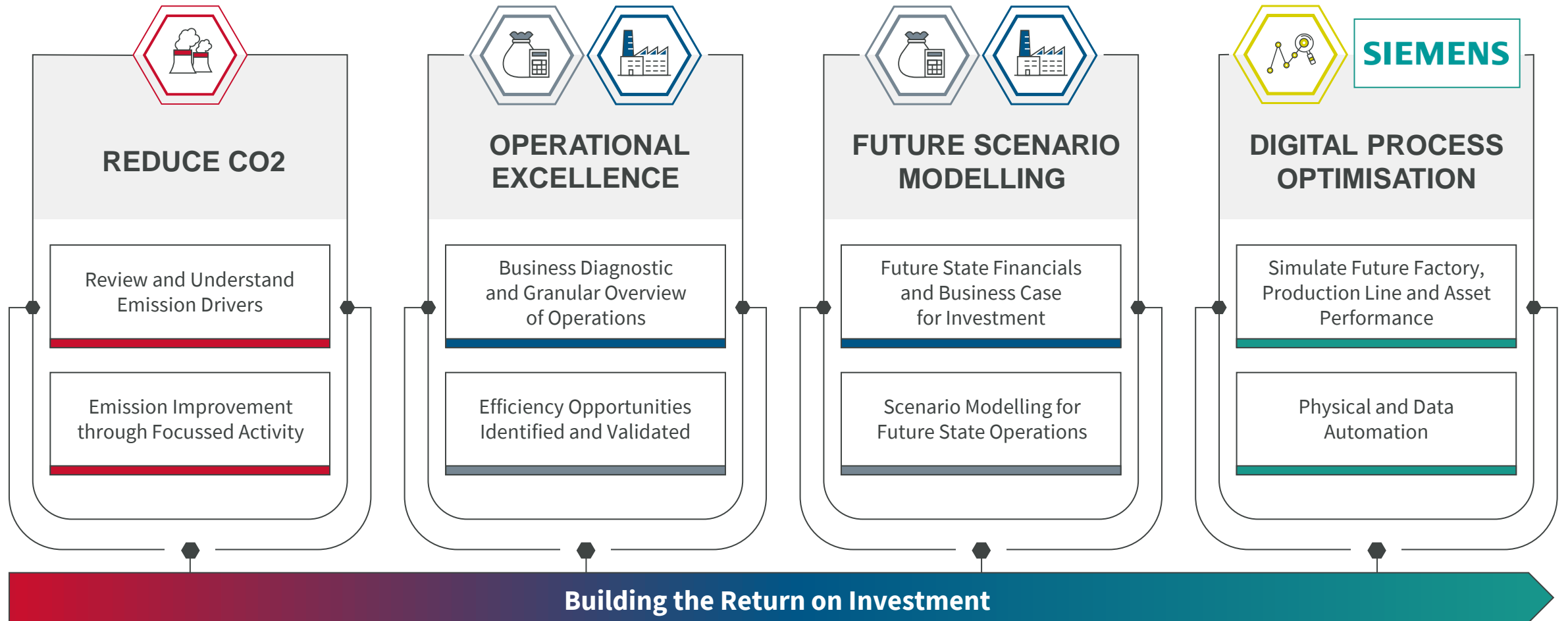
How to **identify** and **reduce** waste effectively

VENDIGITAL
A Siemens Business

Develop an understanding of carbon & cost to inform future planning



Delivering an ROI through improving manufacturing operations, optimising processes and reducing Co₂e



Product carbon footprint calculator

Example:
**330ml Aluminium
Can Carbon Profile**

PRODUCTION

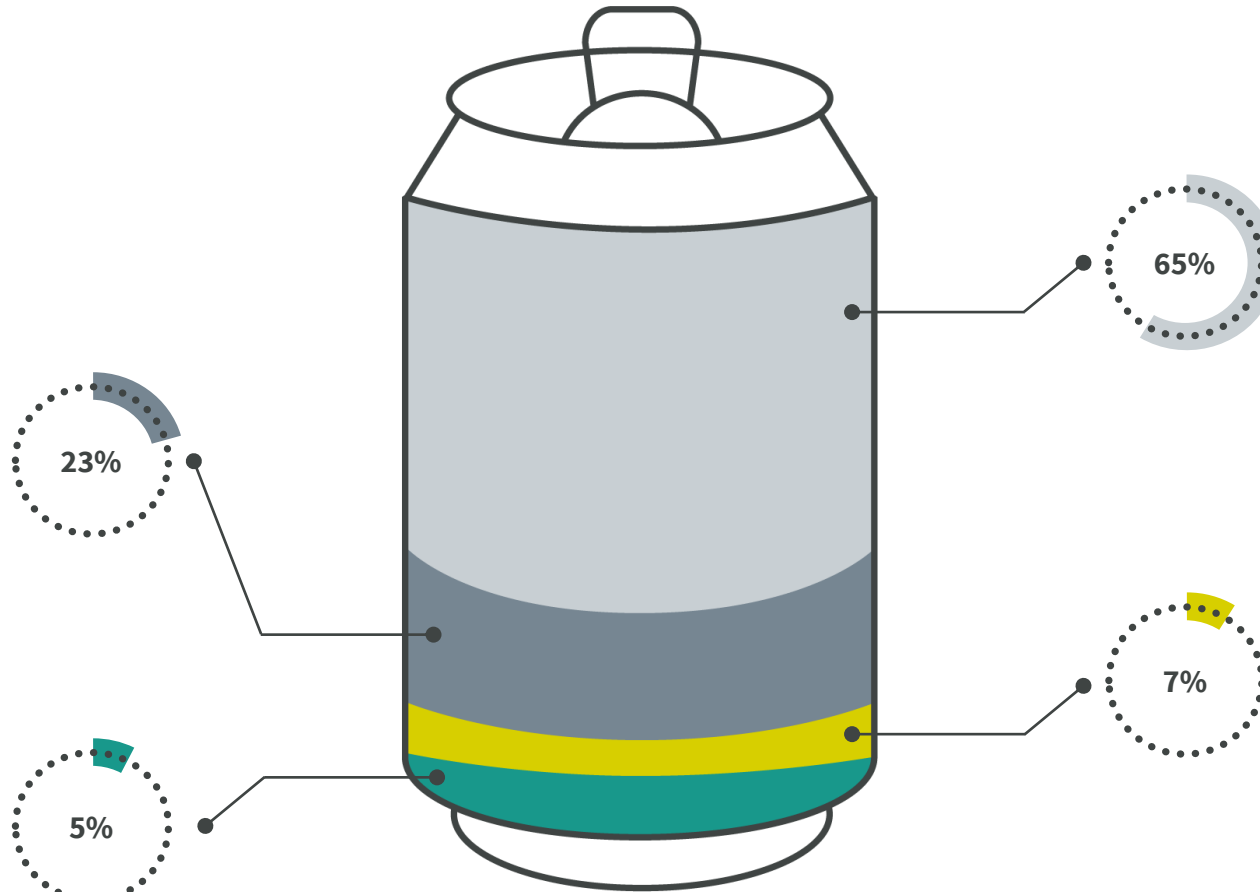
Based on producing a batch of 1.5m, high volume line assumption

Energy source | processing method | waste | productivity

CONSUMABLES & PACKAGING

All additional components

Primary and secondary | transportation



RAW MATERIALS

80% recycled aluminium in closed loop production cycle

Raw material source | processing method | transportation

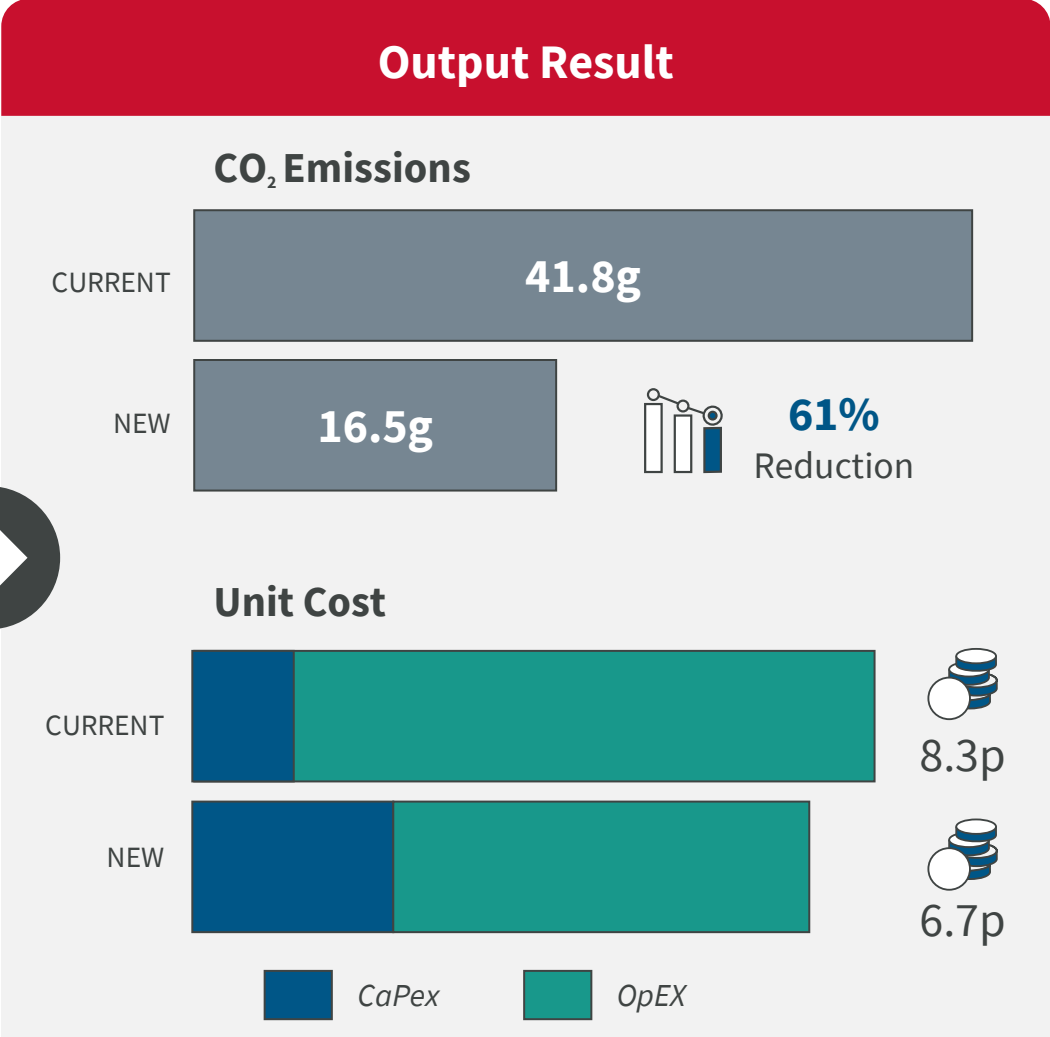
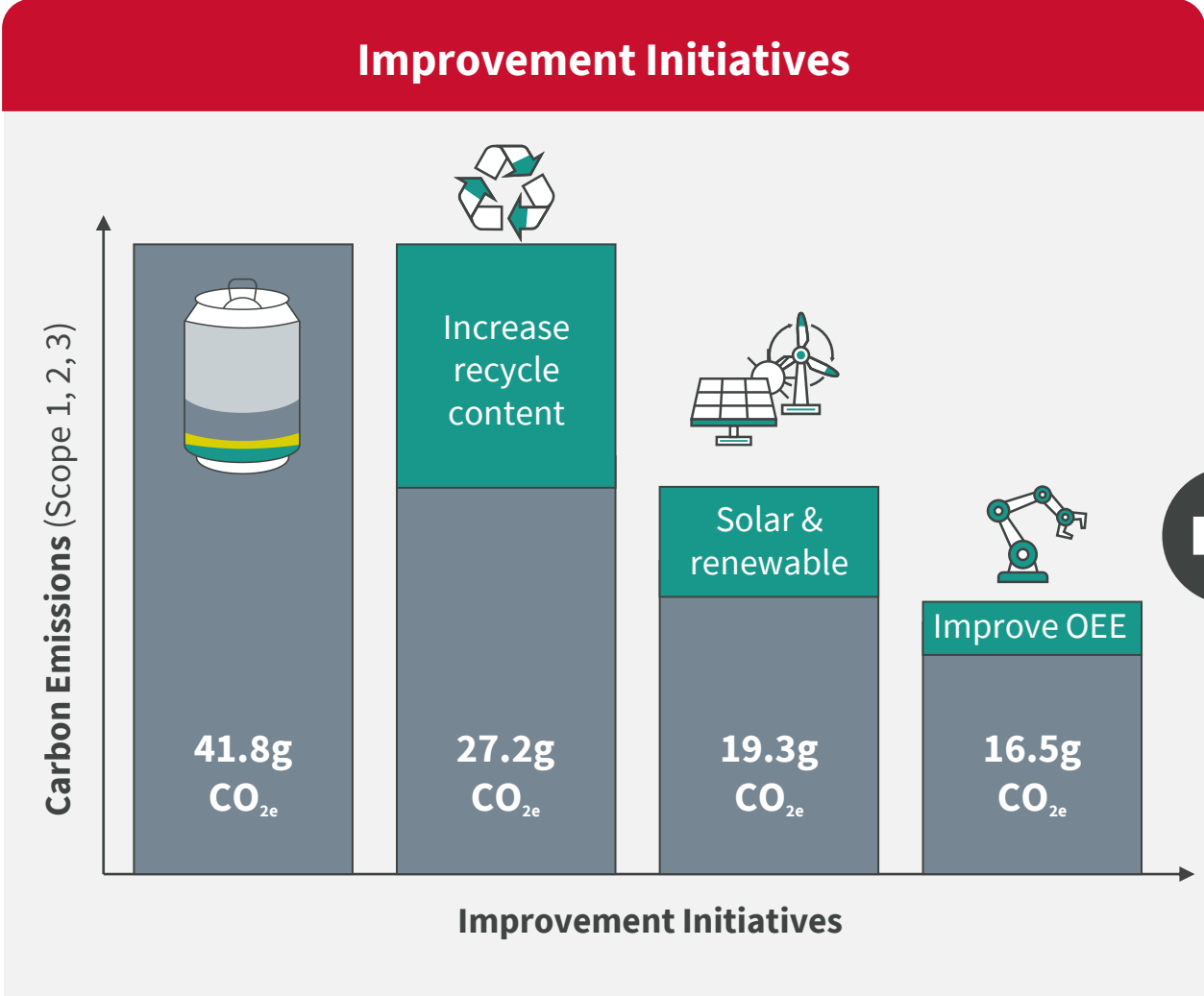
MARK UPS AND INDIRECTS

Accounting for 20% additional emissions from outside direct production.

Offices | fleet vehicles | admin

41.8g CO_{2e}

Process and cost optimisation modelling



What is your carbon footprint challenge?



How does giveaway impact on your logistics cost?



How can you optimise refrigerated storage and transportation?



How can you realise efficiency and reduce waste in the production process?



Understanding the distance from the factory where ingredients are grown and the impact from fertilizers?



What impact does changing to an electric powered oven have?



How do you optimise seasonality within your supply chain to reduce carbon and cost?



POLL 2



Q&A

TRANSFORM 2024

Technology to transform the everyday

17-18 July 2024 | Manchester Central

[siemens.com/transform](https://www.siemens.com/transform)



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