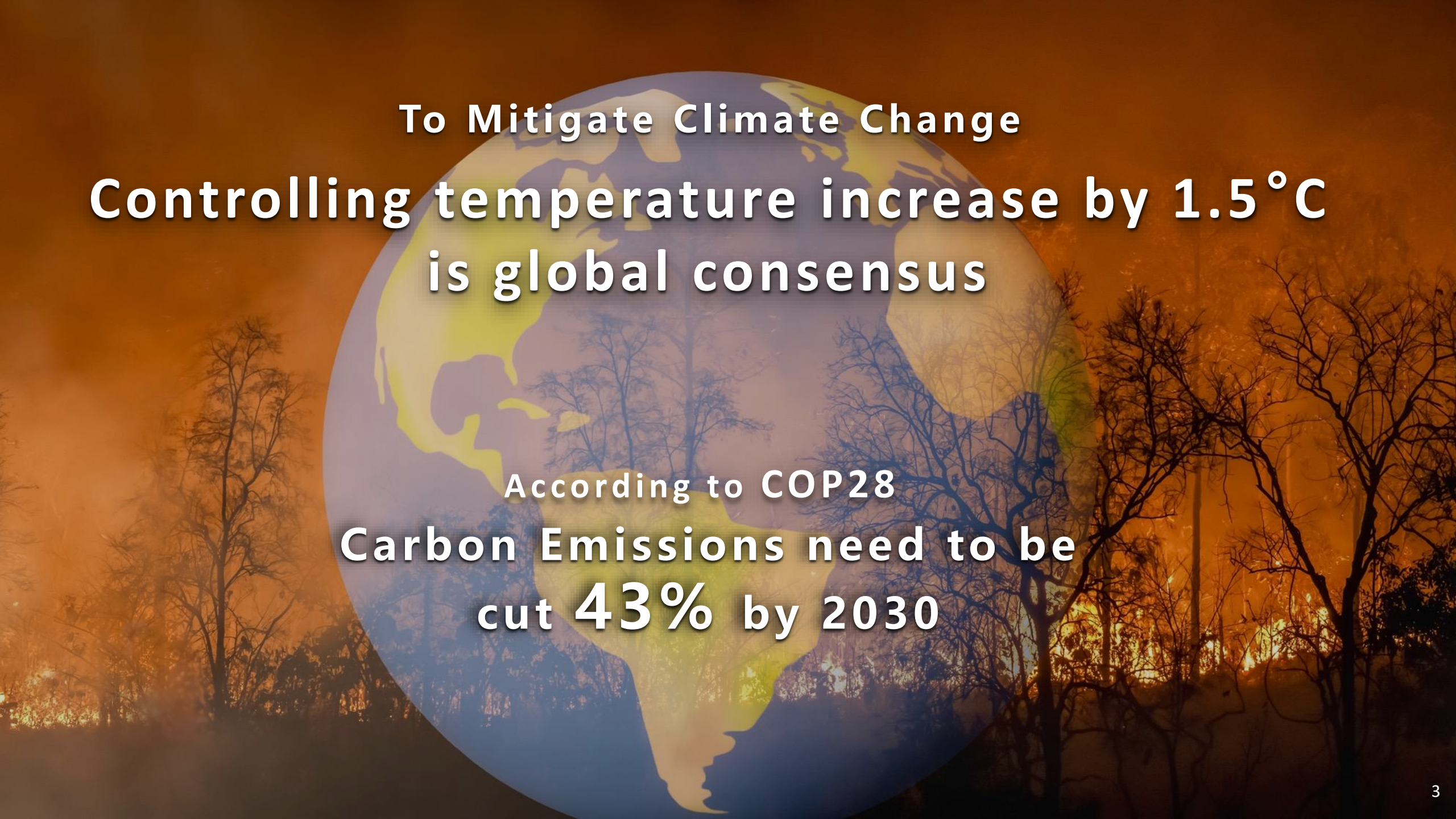
2023台泥企業團

法人說明會

INVESTOR'S CONFERENCE

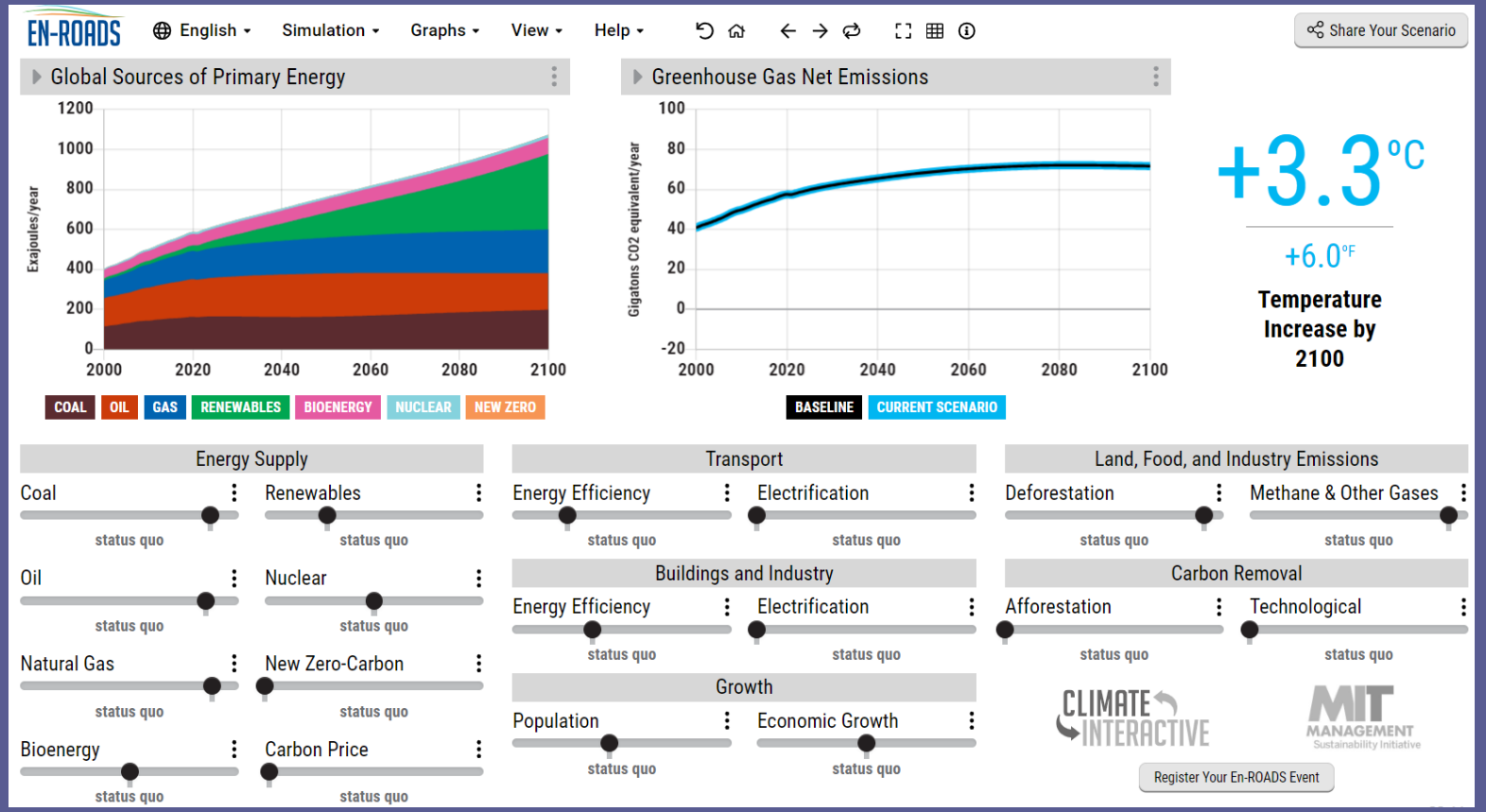

TCC
The Future of TCC
Green Globalization


To Mitigate Climate Change
Controlling temperature increase by 1.5°C is global consensus
According to COP28
Carbon Emissions need to be cut 43% by 2030

Carbon Pricing Initiatives Around the World

Global temperature would increase by 3.3°C if Human did not take timely actions

Current Greenhouse Gas Net Emissions：+3.3°C

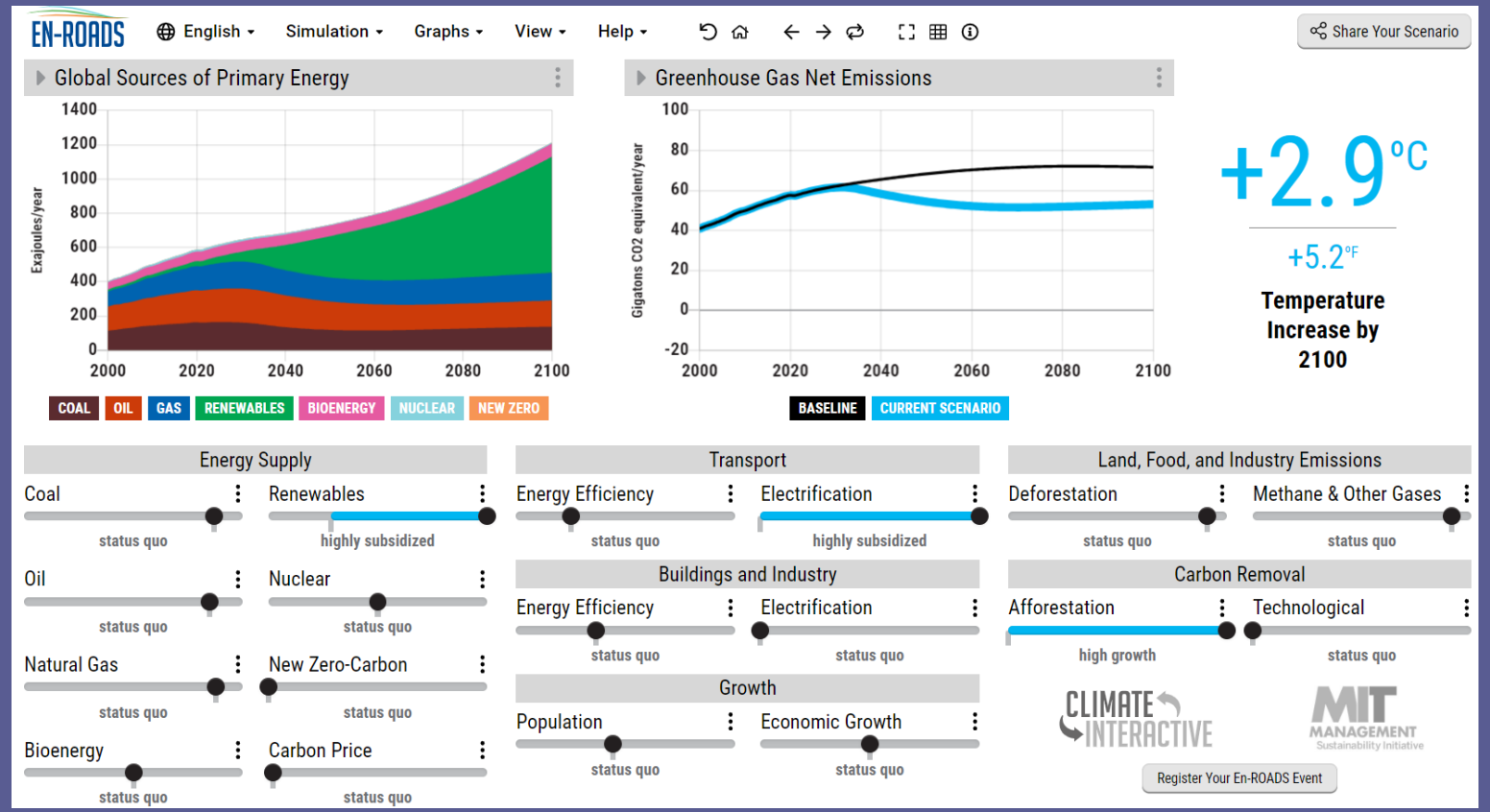


John D. Sterman,
Professor of Management at the MIT

"If we keep heading toward our current business-as-usual future, there will be even higher risks of severe, irreversible impacts and our ability to adapt will be limited." -- John D. Sterman

Even with full subsidies of renewable energy, electric transport, and afforestation, global temperature would still increase by 2.9°C

Even with full utilization of renewable energy, widespread electric transport, and active afforestation, carbon reduction effectiveness remains limited



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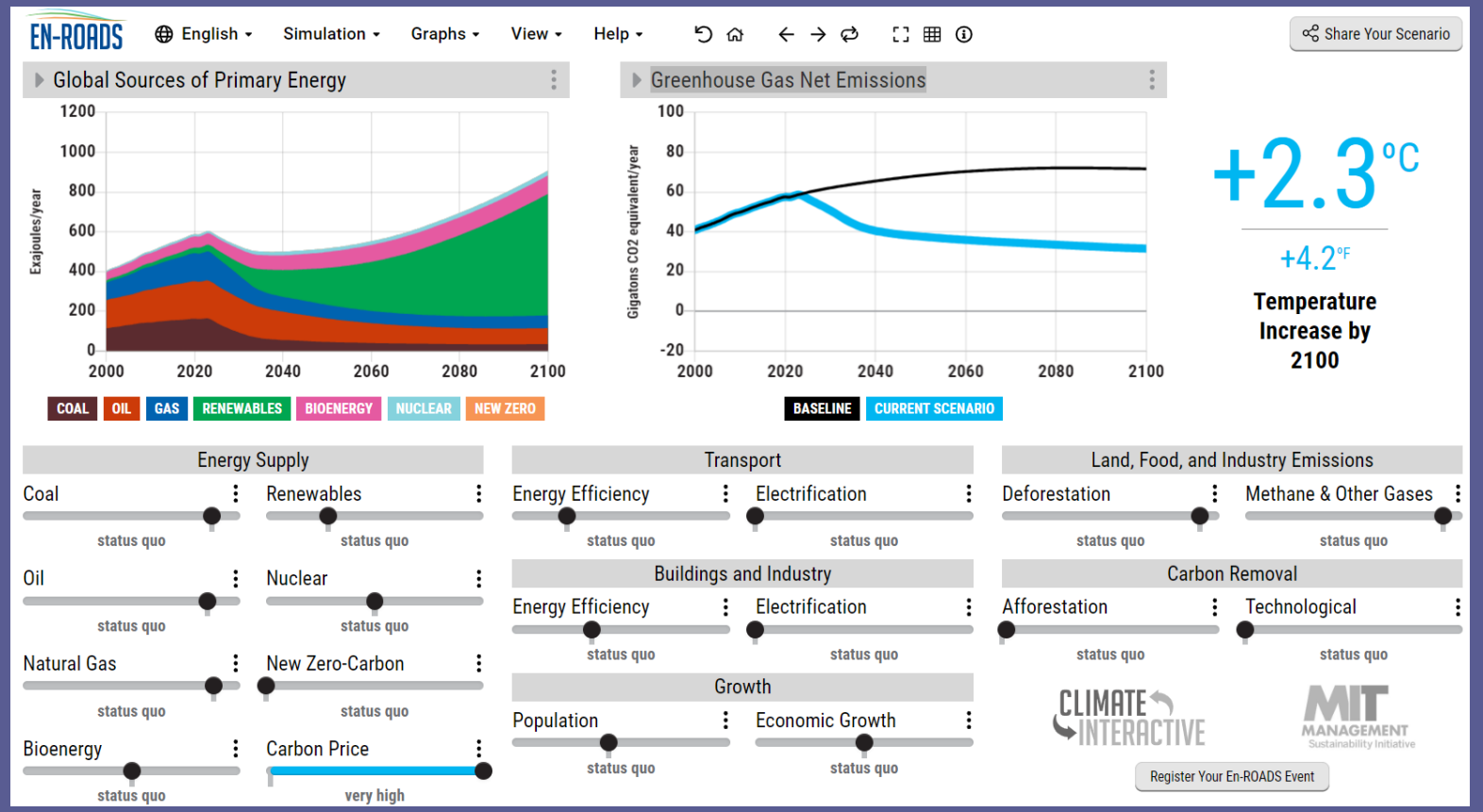
Carbon fee imposition would control temperature increase by 2.3°C

Carbon pricing is inevitable



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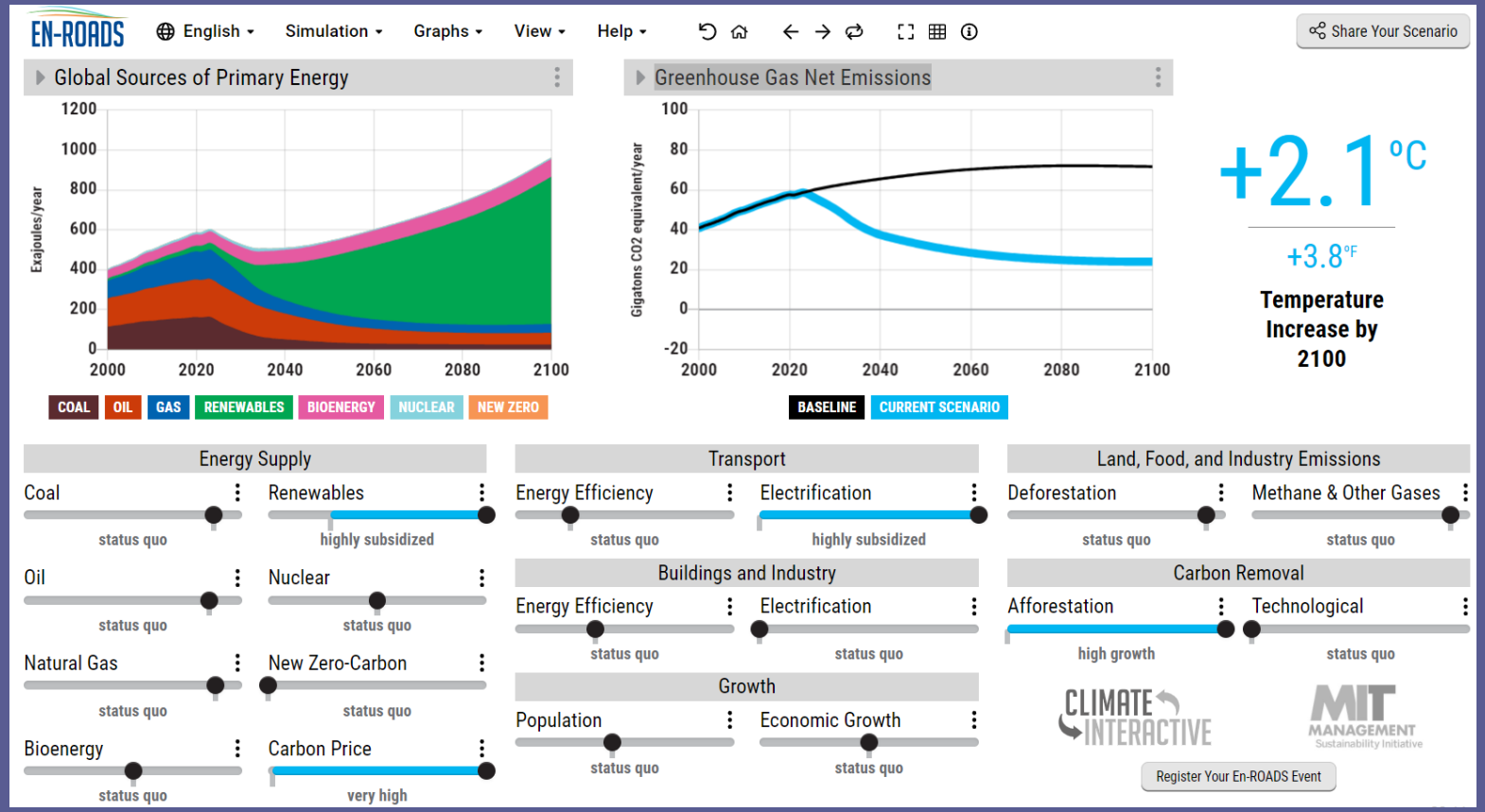
Humans are frogs in hot water of climate change

Even with maximized renewable energy use, complete transport electrification, active afforestation, and carbon pricing, 1.5°C target remains unmet.



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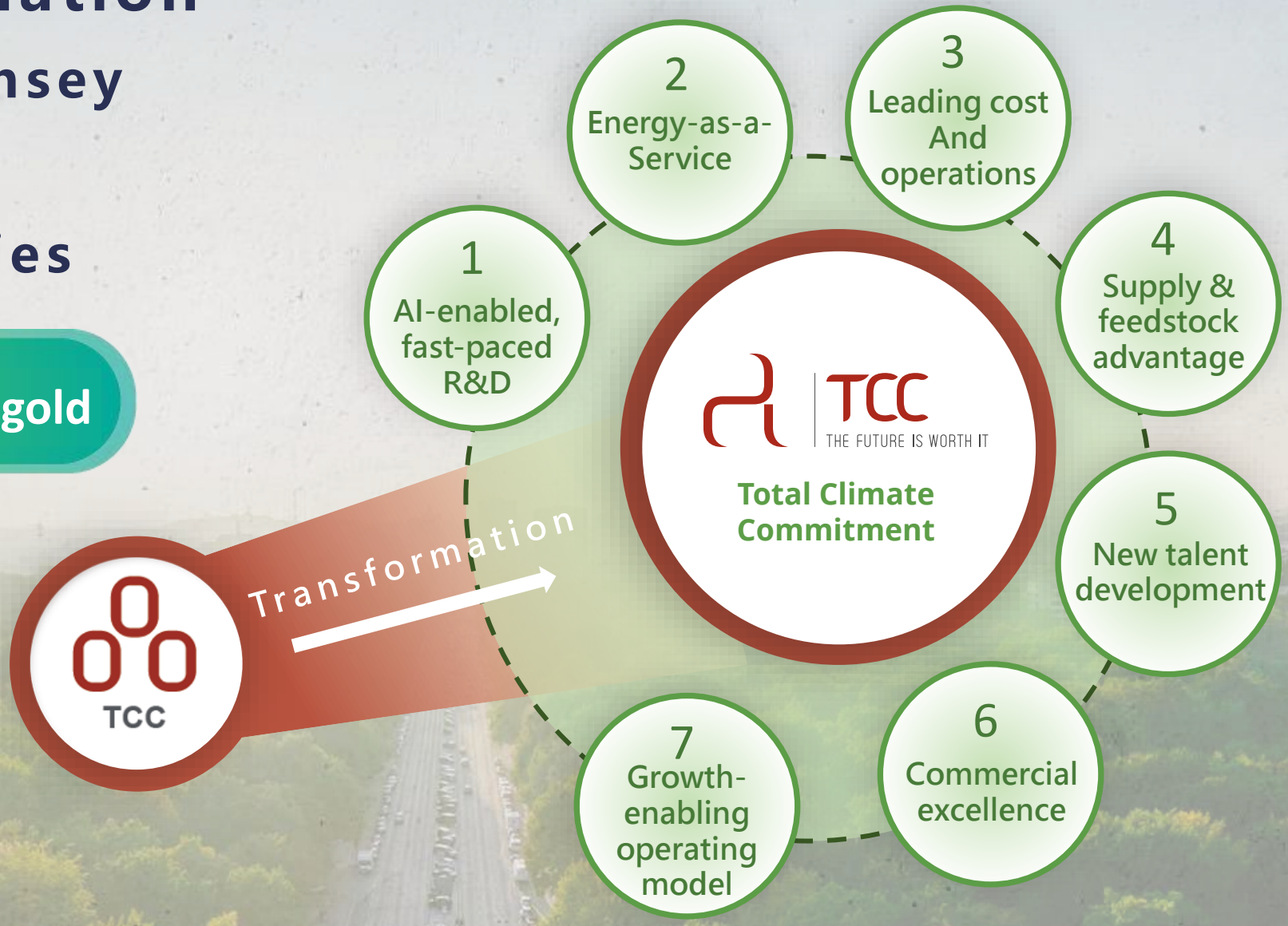
TCC Transformation

in line with McKinsey "Decacorn"

Seven Capabilities

Green is the new gold



Source: McKinsey Sustainability - "Seven capabilities to win the green scale-up race through out-execution"

TCC Green Globalization – Deploy Global Carbon Competitiveness

Italy France Spain Netherlands Portugal Cameroon Republic of Côte d'Ivoire. Turkiye

USA Austrila Canada PRC ROC

EUROPE

- Low Carbon Cement
- Energy Storage
- Charging Station

NORTH AMERICA

100% green Energy

- high-power batteries

ASIA

- Low Carbon Cement
- Waste recycling
- High-power batteries
- Energy Storage
- Green Energy

AFRICA

- Low Carbon Cement

AUSTRALIA

- Energy Storage

Establishes Low-Carbon, Ultra High-Power Battery Factory in Vancouver

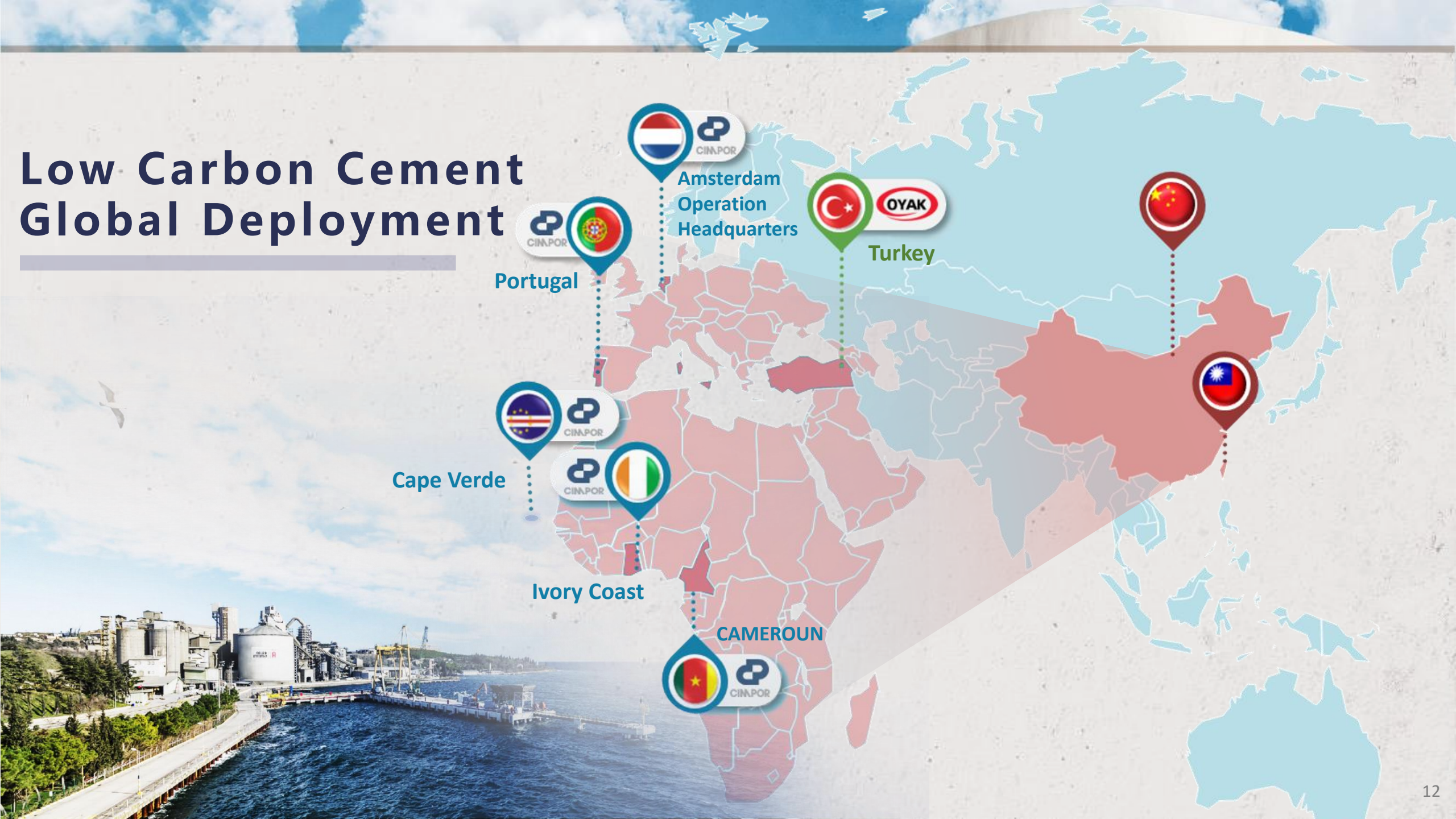
Target top 1% global customers

Molicel
Next generation high-efficiency Ternary lithium battery

- Ultra High Power
- Low Carbon
- High discharge rate

- EU Battery Law Effective in August; Decarbonize Batteries
- 100% Hydropower Green Electricity
- Local Production of Lithium Nickel Cobalt Mine reduces GHGs from Raw Material Transportation
- 50% less GHGs than batteries produced in Asia

Low Carbon Cement Global Deployment



OYAK Low-Carbon Cement Plants Carbon Reduction Achievements

Turkey Aslan Plant

1. Key Turkish operational plant with annual clinker production capacity of 1.8 million metric tons
2. Replace Coal with alternative fuels
   TSR reached 61% in 2023, 53% in 2022
3. TSR target at 70% by 2030

Cement Plant GHG emission in 2023

628

kg.CO2/ton.CEM

Turkey Ankara Plant

1. 30 km from capital city center, annual clinker production capacity of 1.3 million metric tons
2. Replace Coal with alternative fuels
   TSR reached 46% in 2023, 40% in 2022
3. TSR target at 65% by 2030

Cement Plant GHG emission in 2023

652

kg.CO2/ton.CEM

Cimpor Low-Carbon Cement Plants Carbon Reduction Achievements

1. 2 clinker production lines, with annual clinker production capacity of 1.8 million metric tons
2. Replace Coal with alternative fuels
   TSR reached 44% in 2023
3. TSR target at 63% by 2030

1. First calcined clay mass production base in the world
2. Launched two low carbon cement products, Low Carbon CEM II 42.5 and Ultra Low Carbon CEM IV 32.5
   Plans to introduce this technology to Portugal

1. No kiln cement plant ; High Energy efficiency
2. Second Generation Calcined Clay production line
   Expected to commence operation in Q4 2023

Cement Plant GHG emission in 2023

613

kg.CO2/ton.CEM

Carbon Reduction
(Calcined clay with mixed clinker v.s. Ordinary Portland Cement)

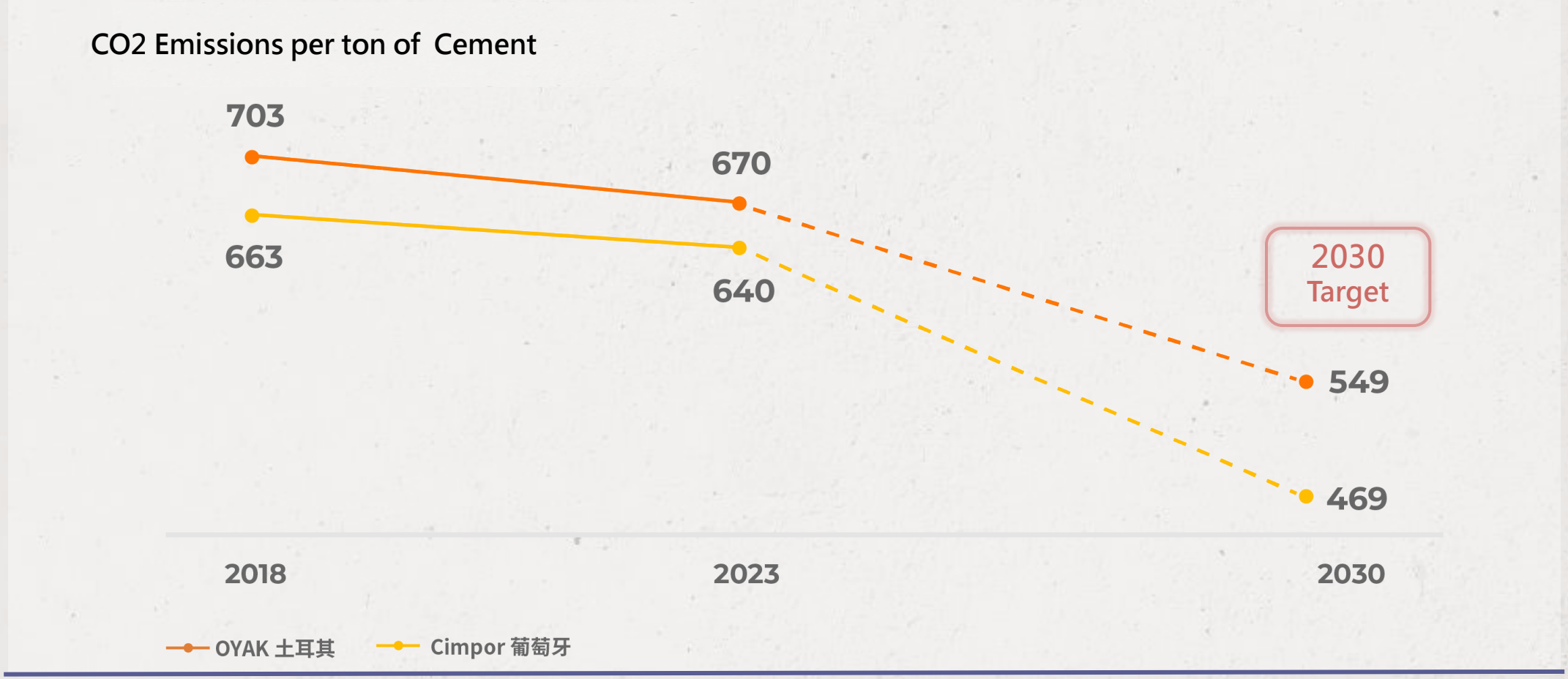
- 40 %

Biomass fuel usage

90 %

OYAK＆Cimpor Carbon Reduction Performance and 2030 Targets

Increasing shareholding of Oyak Cement and Cimpor would help TCC group achieve SBT goals with higher certainty

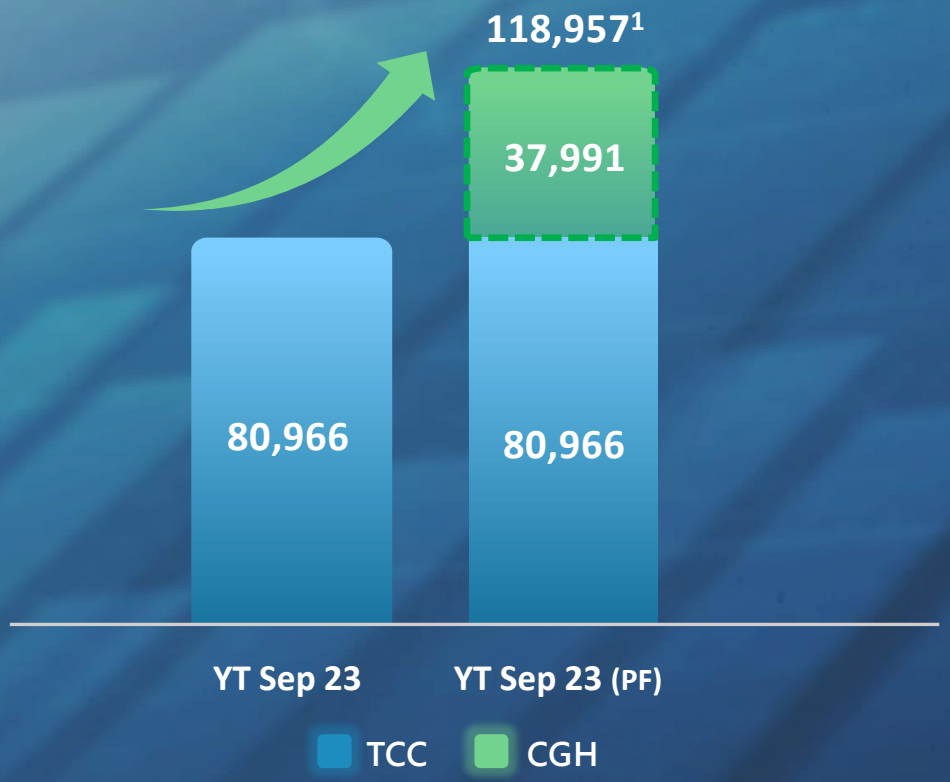


Sources from: Cimpor Global Holdings

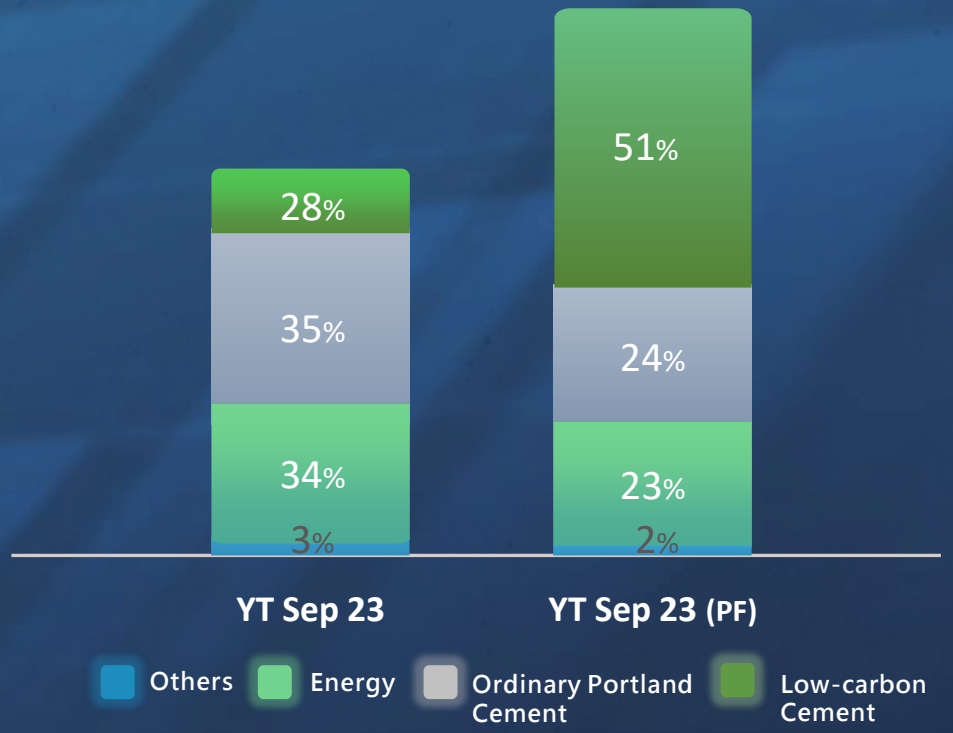
Pro-forma Consolidated Financial report for the first three quarters

Consolidated Revenue

Unit: In millions of NTD



Composition of Consolidated Revenue



Notes：Pro-forma Consolidated figures, Considered the Cimpor Global Holdings(CGH)

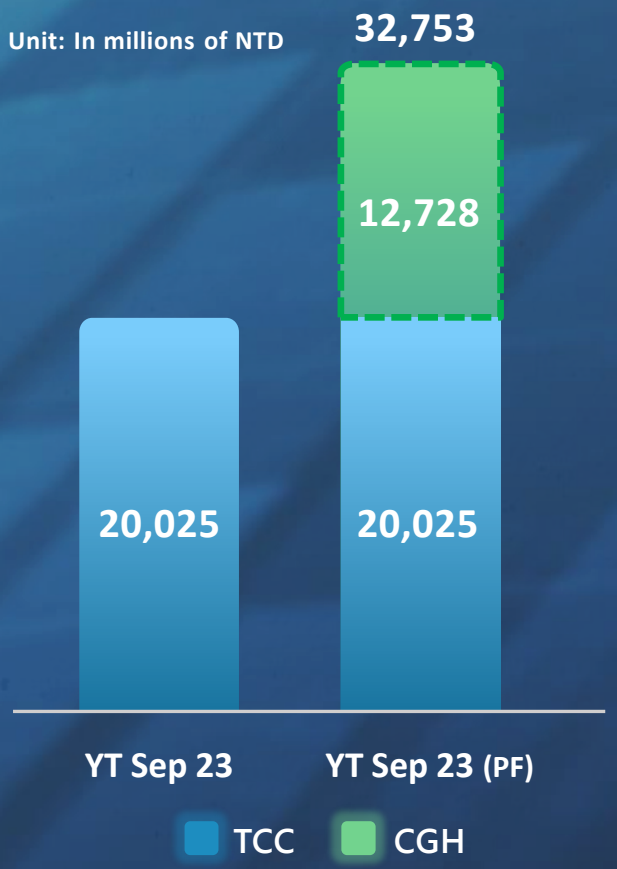
Pro-forma Consolidated Financial report for the first three quarters

Consolidated Net income

Unit: In millions of NTD

Consolidated EBITDA

Unit: In millions of NTD

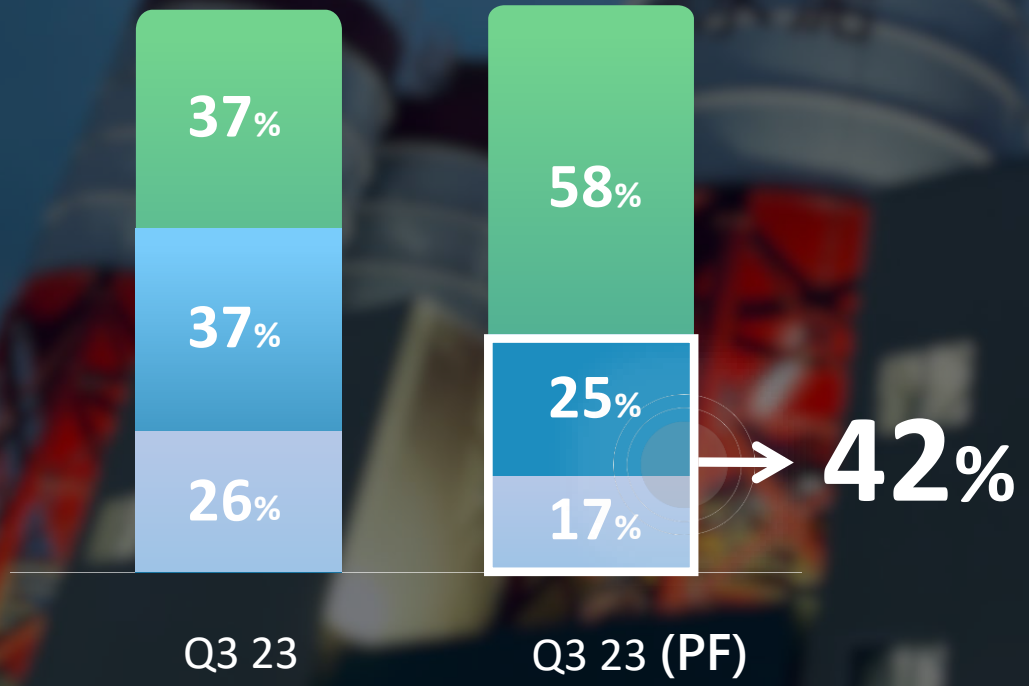


Net Debt/EBITDA

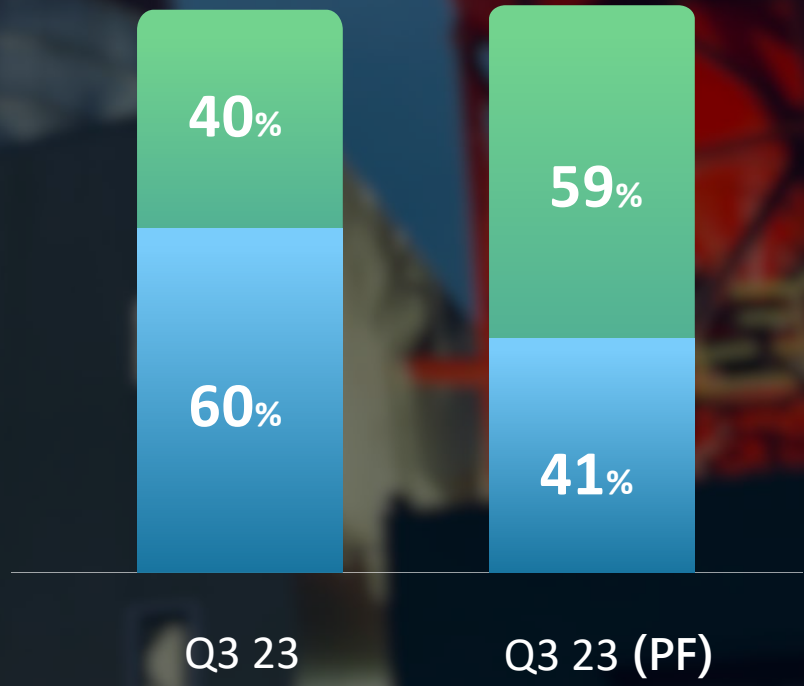
Note 1：Pro-forma Consolidated figures, Considered the Cimpor Global Holdings(CGH)
Note 2：NET DEBT (net interest-bearing liabilities) = Interest-bearing liabilities - cash and cash equivalents - financial assets at fair value through profit or loss (current) - financial assets at fair value through OCI (current) - Financial assets measured at amortized cost
Note 3：Interest-bearing liabilities = short-term borrowings + short-term bills payable + long-term borrowings due within one year + long-term borrowings + corporate bonds payable + long-term bills payable

More Diversified, Resilient, and Growth-Oriented Revenue Mix

Consolidated Revenue Mix



Consolidated Revenue mix by regions



Notes：Pro-forma Consolidated figures, Considered the Cimpor Global Holdings(CGH)

TCC fully in line with SBT 1.5°C Pathway in 2024

SCIENCE BASED TARGETS
DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

Carbon budget
2°C
(67% chance)

Carbon budget
1.5°C
(50% chance)

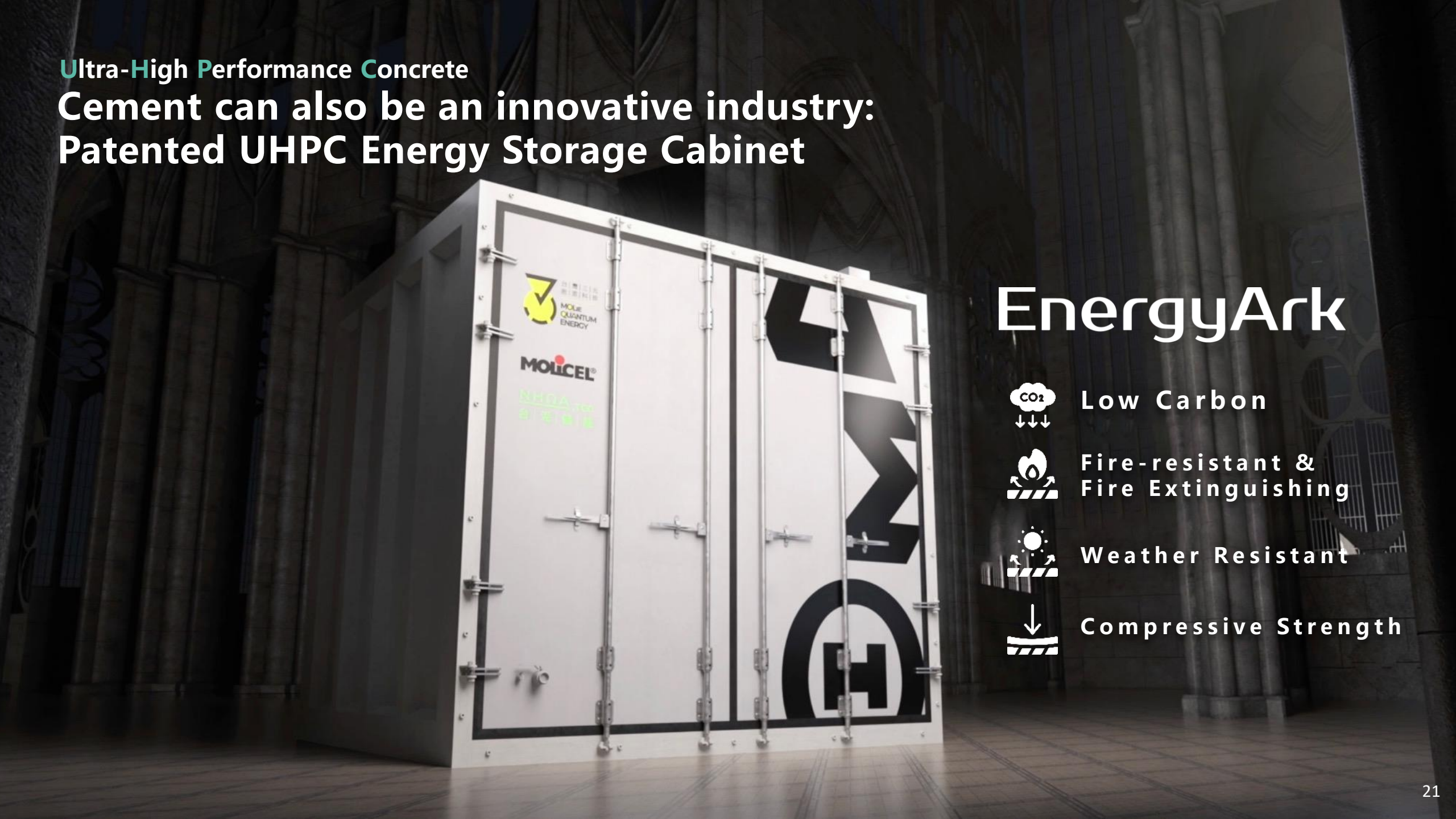
Launched Taiwan lowest carbon concrete, helping construction and engineering reduce carbon emissions by 15-20%

Total Climate Cement | Total Climate Concrete

NTU Risk Society and Policy Research Center – Survey Report

Ultra-High Performance Concrete

Cement can also be an innovative industry: Patented UHPC Energy Storage Cabinet



EnergyArk

- Low Carbon
- Fire-resistant & Fire Extinguishing
- Weather Resistant
- Compressive Strength

Better safe, Never sorry.


TCC strengthens global
competitiveness in carbon reduction
Benefiting others, self, humanity and the Earth
In service for life


THANK YOU