



CAPITAL MARKETS DAY 2024

# Carbon Capture

**LONDON**

21<sup>st</sup> November 2024

# Today's speakers



**CHRISTOPHE MALAURIE**

Senior Vice President  
Decarbonization Solutions



**JULIE CRANGA**

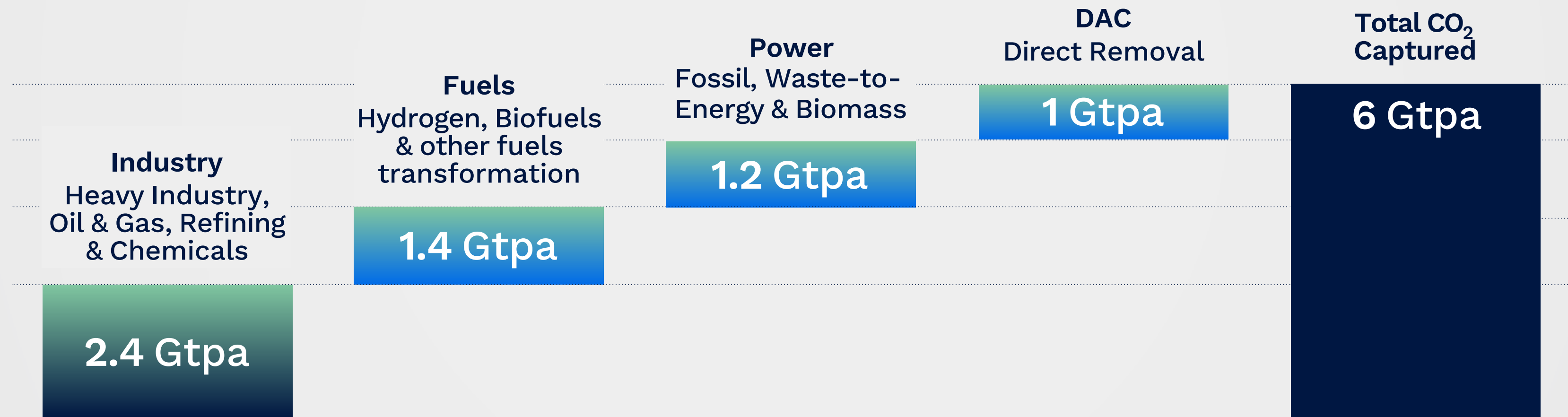
Vice President Market  
Decarbonization Solutions

# Capture the opportunity

# What's the market outlook?

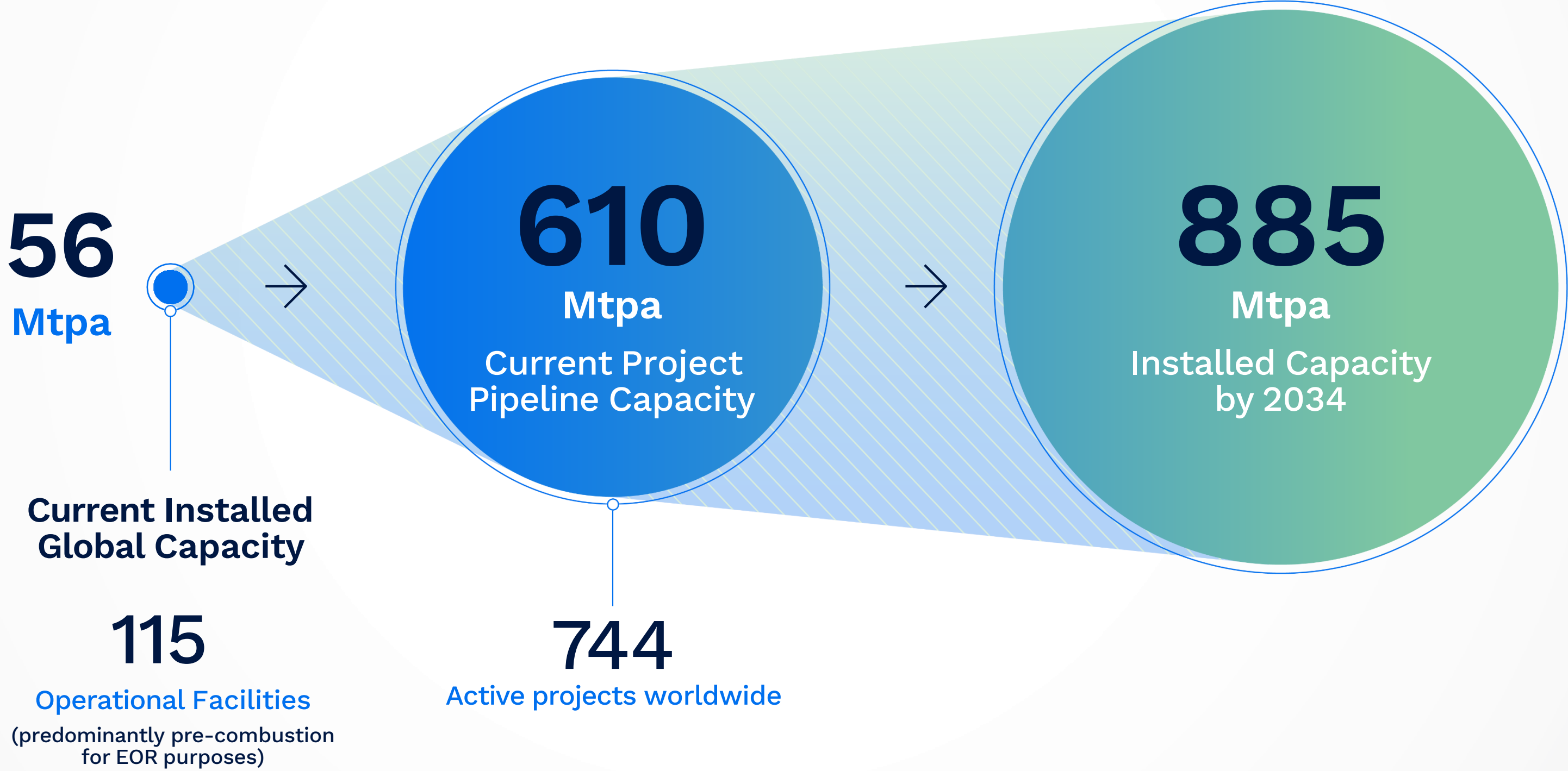
# CCUS will be 8% of global emissions reduction by 2050

## INSTALLED CARBON CAPTURE CAPACITY BY 2050



Source: IEA, Net Zero Roadmap, 2023

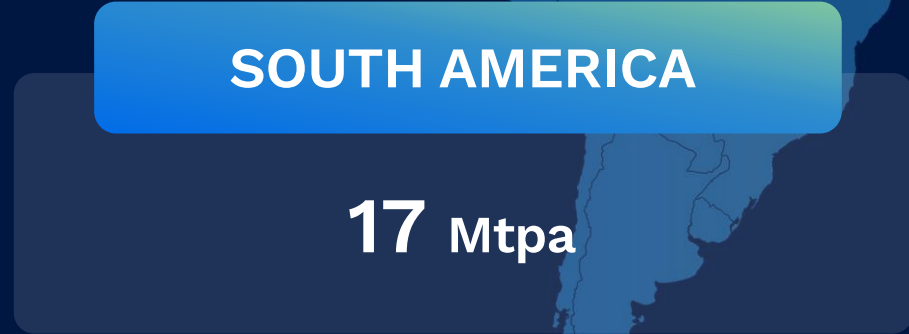
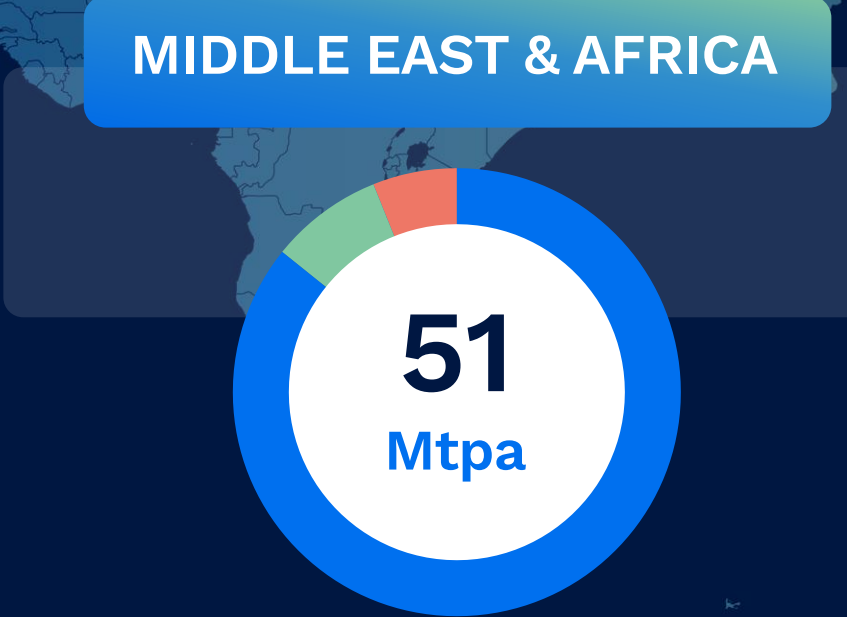
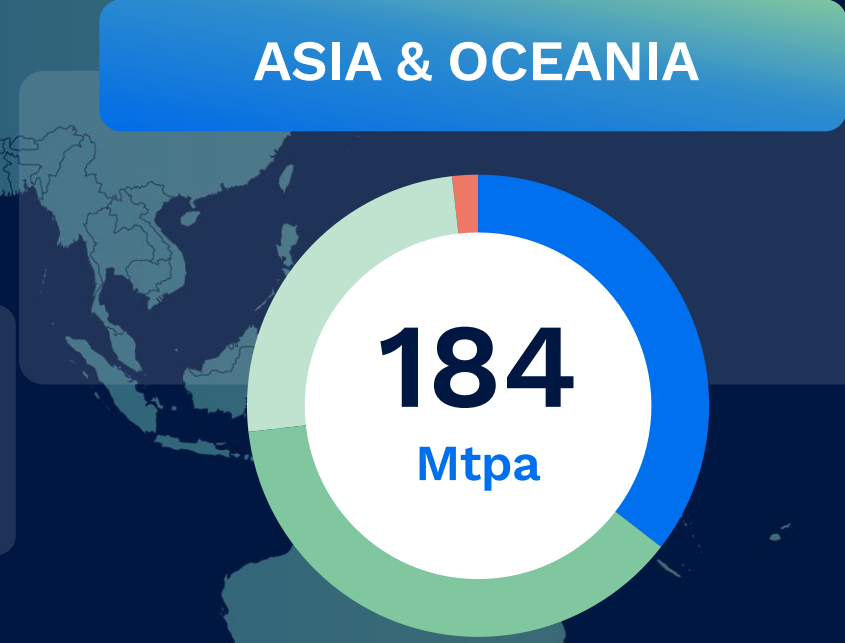
# Carbon capture project pipeline is expanding to meet demand



Source: Rystad Energy: CCUS Market Update, October 2024

# North America and Europe are leading global CCUS market development

**885 Mtpa**  
installed global capacity by  
**2034**

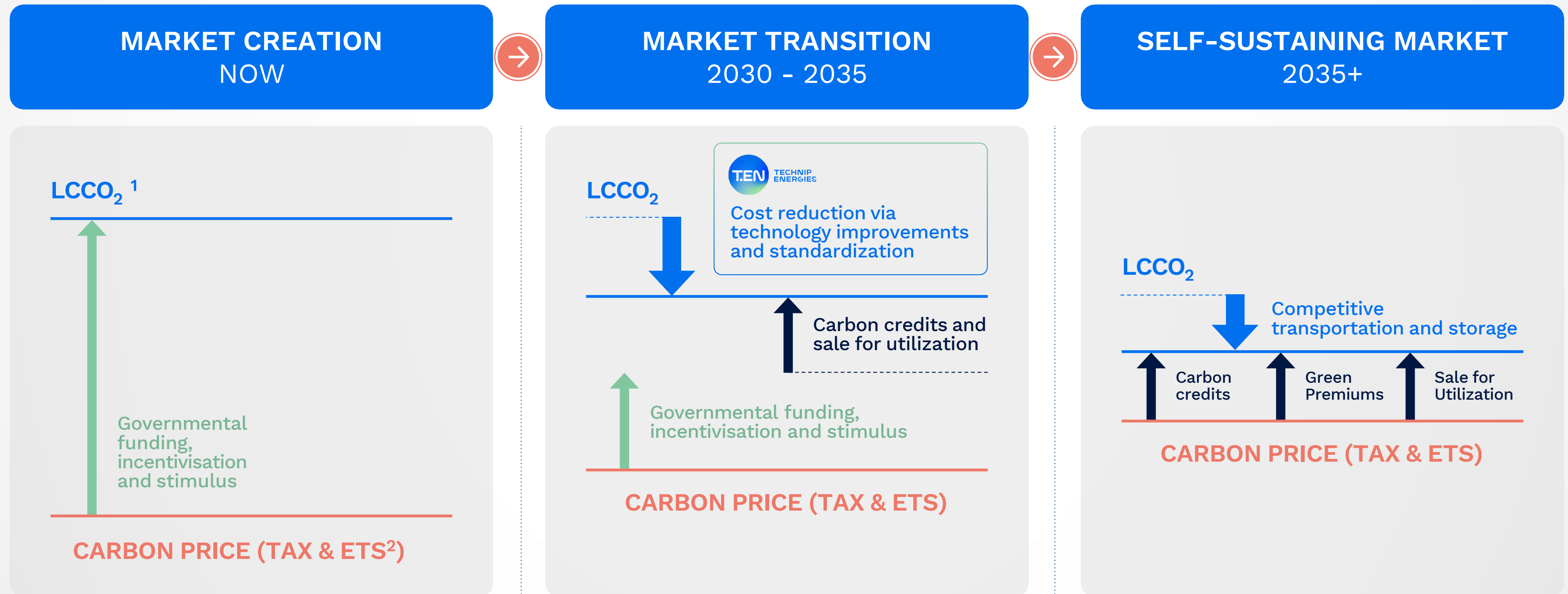


● Pre-combustion (including LNG & gas processing, blue hydrogen & ammonia and biofuels)

Post-combustion: ● Power ● Industry ● DAC

Sources: All charts and figures are based on Rystad Energy, October 2024.

# Today's CCUS market is reliant on incentivisation but will transition to a self-sustaining ecosystem

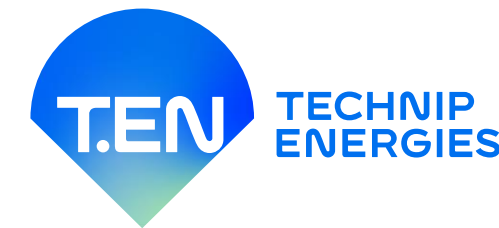


<sup>1</sup> Lifecycle cost of capture system, accounting for operating costs and capital investment across the value chain, per tonne of CO<sub>2</sub> avoided.  
<sup>2</sup> Emissions trading system.



# T.EN & Shell are moving towards an exclusive global alliance supporting investable solutions for post-combustion capture

**~40%**  
Transportation and Storage



Alliance Partners

**~60%**  
Carbon Capture

CAPEX



**15% - 30%**  
CAPEX reduction<sup>1</sup>

- Standardization
- Productization
- Modularization
- Optimized supply chain

OPEX



Up to **20%**  
OPEX reduction<sup>1</sup>

- Energy efficiency
- Heat integration
- Solvent performance
- Electrification

<sup>1</sup> Total LCCO<sub>2</sub> reduction for capture plant not more than a total of 30%.

# Leading the market in post-combustion carbon capture

# T.EN is a unique market leader in post-combustion carbon capture



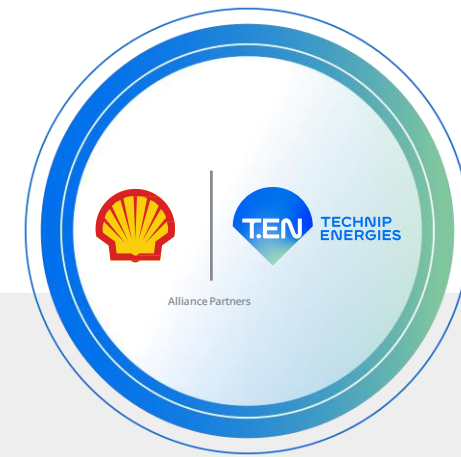
## GLOBAL REACH

Execution centres across the world, engaged in 200+ prospects



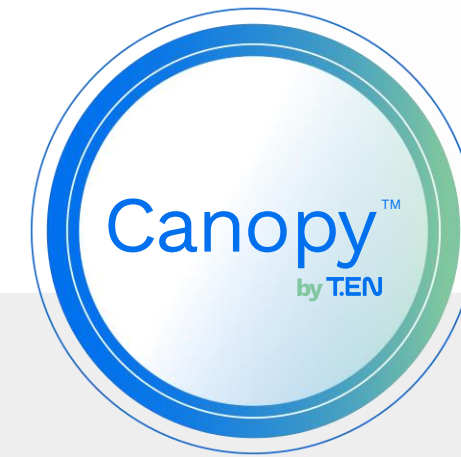
## SEAMLESS EXECUTION

8 FEED under execution in 2024 accounting for > 13 mtpa of CO<sub>2</sub> captured



## LEADING TECHNOLOGY

Leading post-combustion capture technology alliance



## PRODUCT APPROACH

Post-combustion solutions for every industry



## LEADING MARKET SHARE

Growing project track record across sectors

>35%

# Selected for Net Zero Teesside Power flagship project

## First-of-a-kind fully integrated gas power plant with carbon capture



### Major<sup>1</sup> EPC contract with no construction lump sum risk

(pending FID)

>800 MW of dispatchable, low-carbon electricity to power

**1.3 million homes**

**2 Mtpa**

carbon captured and stored, supporting UK decarbonization goals

**>3,000 UK jobs**

created during construction<sup>2</sup>

<sup>1</sup> A “major” award for Technip Energies is a contract award representing above €1 billion of revenue.

<sup>2</sup> Source: statistics independently compiled on behalf of Net Zero Teesside Power project using a widely recognized methodology.

# Capitalizing on the CCUS opportunity

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01

## Opportunity is growing rapidly

Large growth and investment

Foundations set, market in motion

02

## T.EN is the frontrunner

Executing projects at scale

Differentiated Canopy by T.EN solutions

03

## We are creating value through collaboration

Understanding clients' challenges

Impactful major alliances



# Thank you

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