



Technology scale-up and commercialization pathways

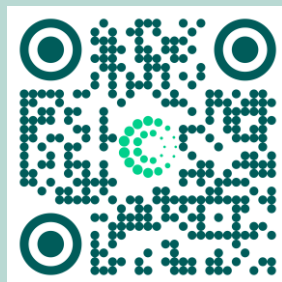
1 November 2023

Jon Christopher Knudsen
Chief Commercial Officer



Jon C. Knudsen

Chief Commercial Officer



Test centers crucial to scale-up

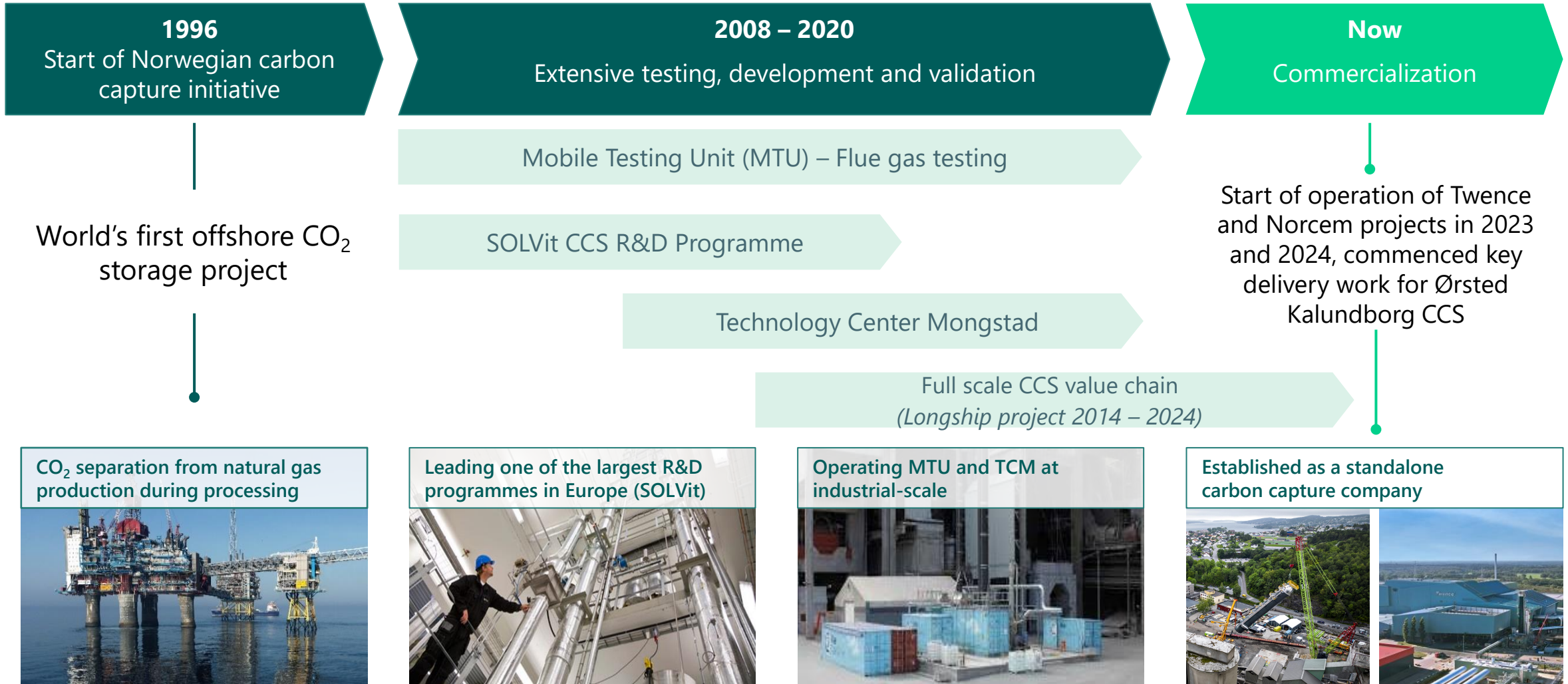
Technology Centre
Mongstad (TCM)

Location: Mongstad, NOR
Built: 2012

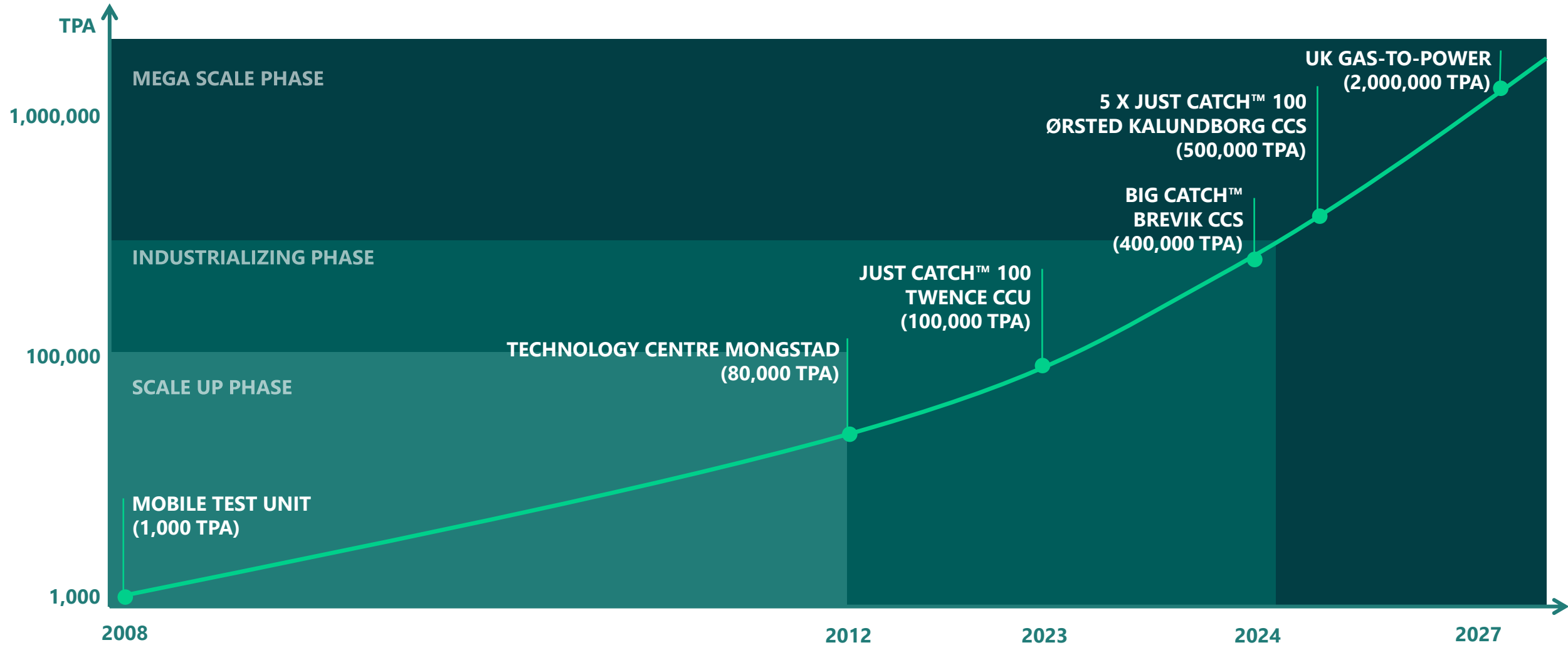
Technology and
delivered by:
Aker Carbon Capture

Akersgaten

A long-term Norwegian technology initiative



Maturing technology concept and product



Innovation from lab to full-scale product portfolio

65 000 operating hours



Screening of 80+ solvents at SINTEF and NTNU



Industrial pilot testing with Mobile Testing Unit



Full-scale validation at Technology Center Mongstad

**Just
Catch™
400
Carbon Capture**



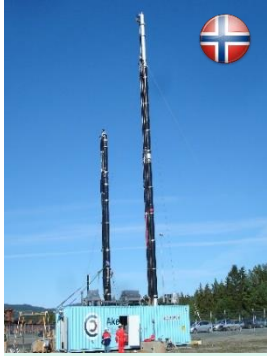
Unique track record from **Mobile Test Unit (MTU)** – advanced CO₂ capture pilot

11 different flue gases tested
(high process flexibility)

45,000+ operating hours

Performance data is paramount
for technology qualification

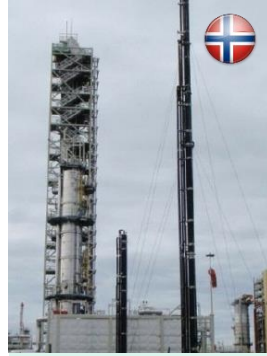
50x technology upscaling proven
at TCM carbon capture plant



Natural gas
Risavika Gas Center



Coal power
National CCC



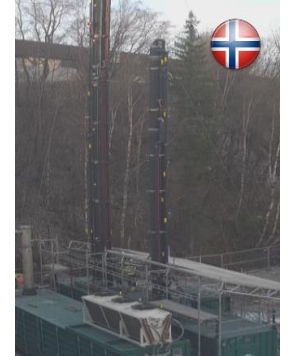
Natural gas
Dong CHP



Waste to Energy
Klemetsrud WtE



Char
Polchar

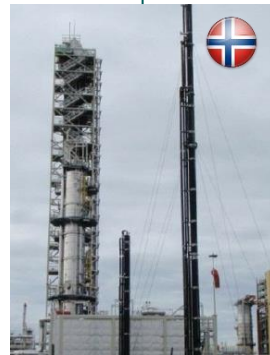


Limestone calc.
SMA Minerals (2023)

Continuously upgraded and developed since 2008



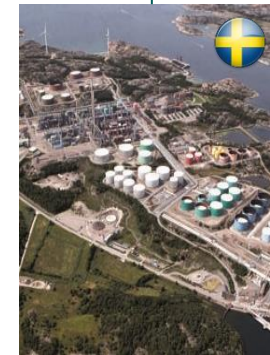
Coal power
Longannet Power



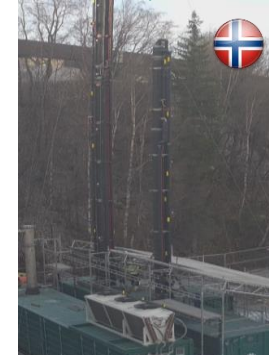
Heavy oil cracker
Equinor oil refinery



Cement
Heidelberg/ Norcem



Hydrogen
Preem refinery



Ferrosilica
Elkem (Current)



Heidelberg Materials cement facility in Norway

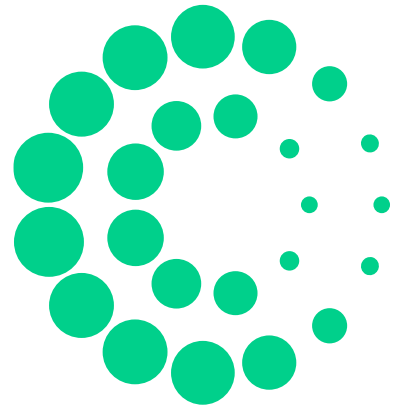


AKER CARBON
CAPTURE

From lab-scale
to realizing
plants.
Today.

Twence's waste-to-energy facility in the Netherlands





**AKER CARBON
CAPTURE**

Aker Carbon Capture | Summarized

Pure play carbon capture company



- Pure play carbon capture company delivering ready-to-use plant
- Certified and validated market-leading proprietary technology with close to 65 000 operating hours
- Utilizing best in class HSE friendly solvents and patented plant technologies

... combining a global team with a strong ambition

10 in 25

Secure contracts to capture **10** million tonnes CO₂ per annum by **2025**

- Realized by more than 130 employees
- Located in seven different countries
- Focusing on developing carbon capturing projects in Europe and US
- Building upon more than two decades of carbon capture experience

... with a strong technology portfolio



Just Catch™
Capacity: 40, 100, 400 ktpa

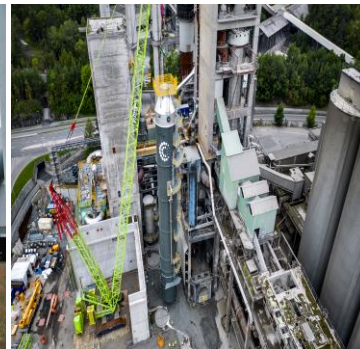
Big Catch
Capacity: > 500 ktpa

Offshore Just Catch™
Capacity: 120-360ktpa

... validated for multiple industries



Kalundborg CCS –
5x Just Catch 100 500 KTPA
ØRSTED | MICROSOFT



Brevik CCS –
Big Catch 400 KTPA
HEIDELBERG MATERIALS



TWENCE CCU –
Just Catch 100 KTPA
TWENCE W2E

... delivering large scale projects today

... through strong partnerships

