



TECHNOLOGY
CENTRE
MONGSTAD

- catching our future

Technology Centre Mongstad

US-Norway Bilateral meeting
01.11.2023

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Technology Centre Mongstad

(TCM)

The world's largest and MOST FLEXIBLE test centre for developing CO₂ capture technologies and a leading competence centre for carbon capture.



Our OWNERS



GASSNOVA



equinor



TotalEnergies





Site for EMERGING TECHNOLOGIES at TCM

Industrial environment

Two industrial flue gas sources with different levels of CO₂ (1 – 20 %). 24/7 operations.

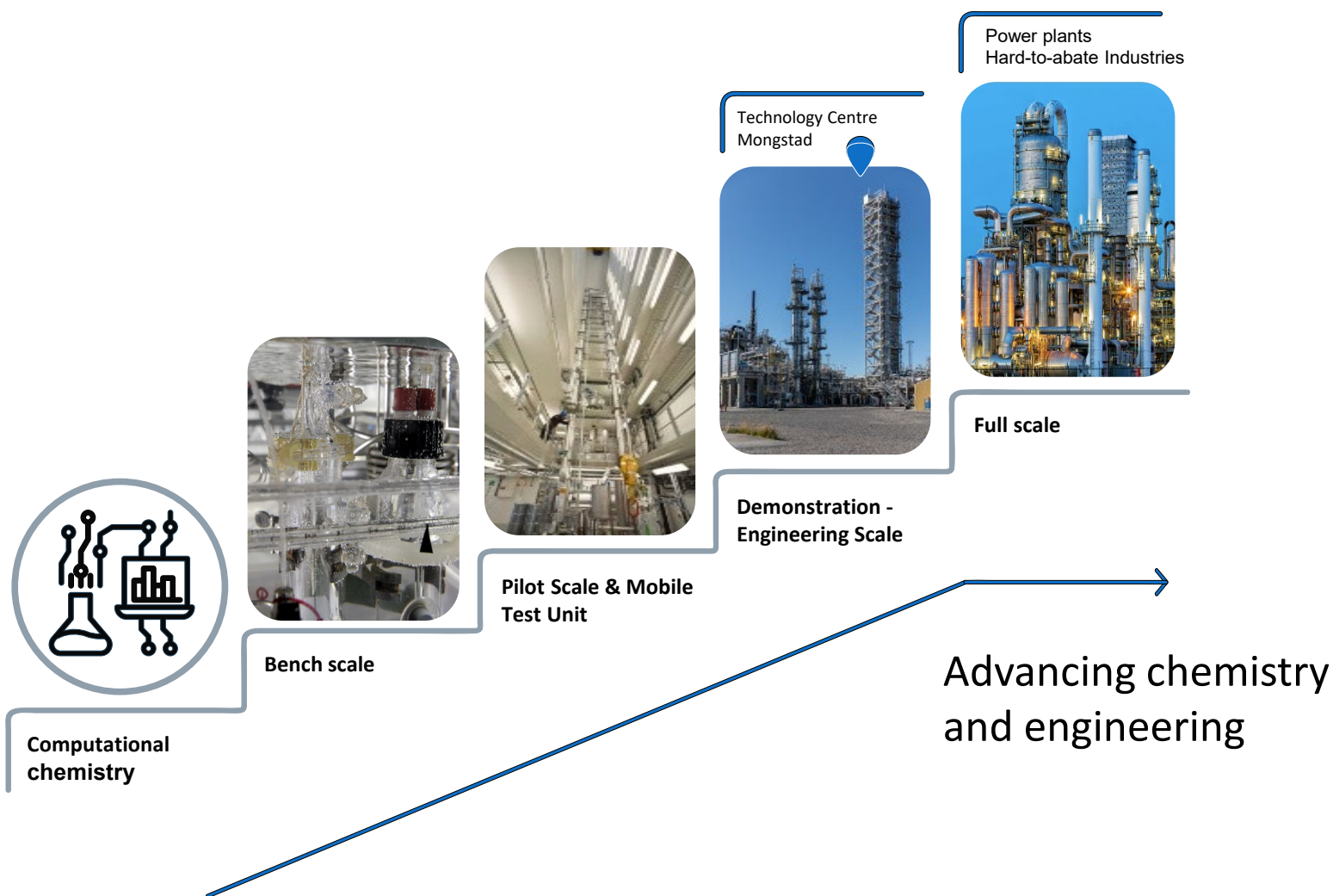
Capacity

18,000 tons CO₂ per year.
Possibility to test multiple technologies in parallel.

Analytical & laboratory capabilities

TCM

– Last step before **COMMERCIALIZATION**



Technology Centre
Mongstad

Power plants
Hard-to-abate Industries



Conducted TEST CAMPAIGNS

 **> 32.000 hrs**
Proprietary Campaigns

Solvent Technologies

Start 2012



Start 2020
Emerging Technologies



Sponsored by TCM Owners, DoE, EU and CLIMIT

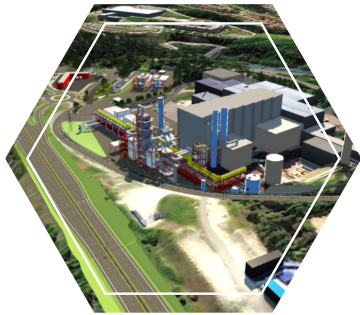
 **> 20.000 hrs**
Non-proprietary Campaigns  **> 60**
Scientific publications

2013

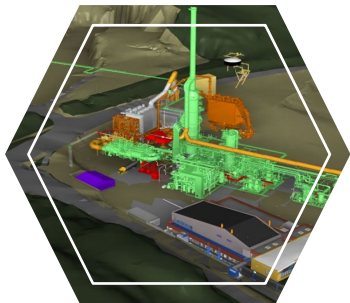


TCM crucial in commercialization of CC technologies







Most major projects in Europe selected technologies tested at TCM





Waste to Energy
400 kTPA of CO₂ capture
Start-up date ?



Cement plant
400 kTPA of CO₂ capture
Start-up date 2025

-   Aker Carbon Capture
-   Shell CANSOLV
-   MHI ENG

-  Grey Advanced development
-  Green Under construction

