TECHNOLOGY CENTRE MONGSTAD

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Head of Communications


TECHNOLOGY CENTRE MONGSTAD
catching our future
TCM is the world's largest facility for testing and improving **CO_2 capture**.
Knowledge gained will prepare the ground for **CO_2 capture** initiatives to combat climate change world wide.
GASSNOVA
Statoil
sasol
reaching new frontiers

TCM – Highlights

2005 Government policy: No carbon based power generation in Norway without CCS

2006 State and Statoil agreed 2-staged approach:

1: Demonstrate and develop capture technologies (TCM)

2: Build large scale (1 mTons CO2/year) capture plant

2009 Investment decision taken for TCM: = USD1Billion

Partnership established (TCM DA)

2012 Five year initial test period started

Official inauguration in May 2012

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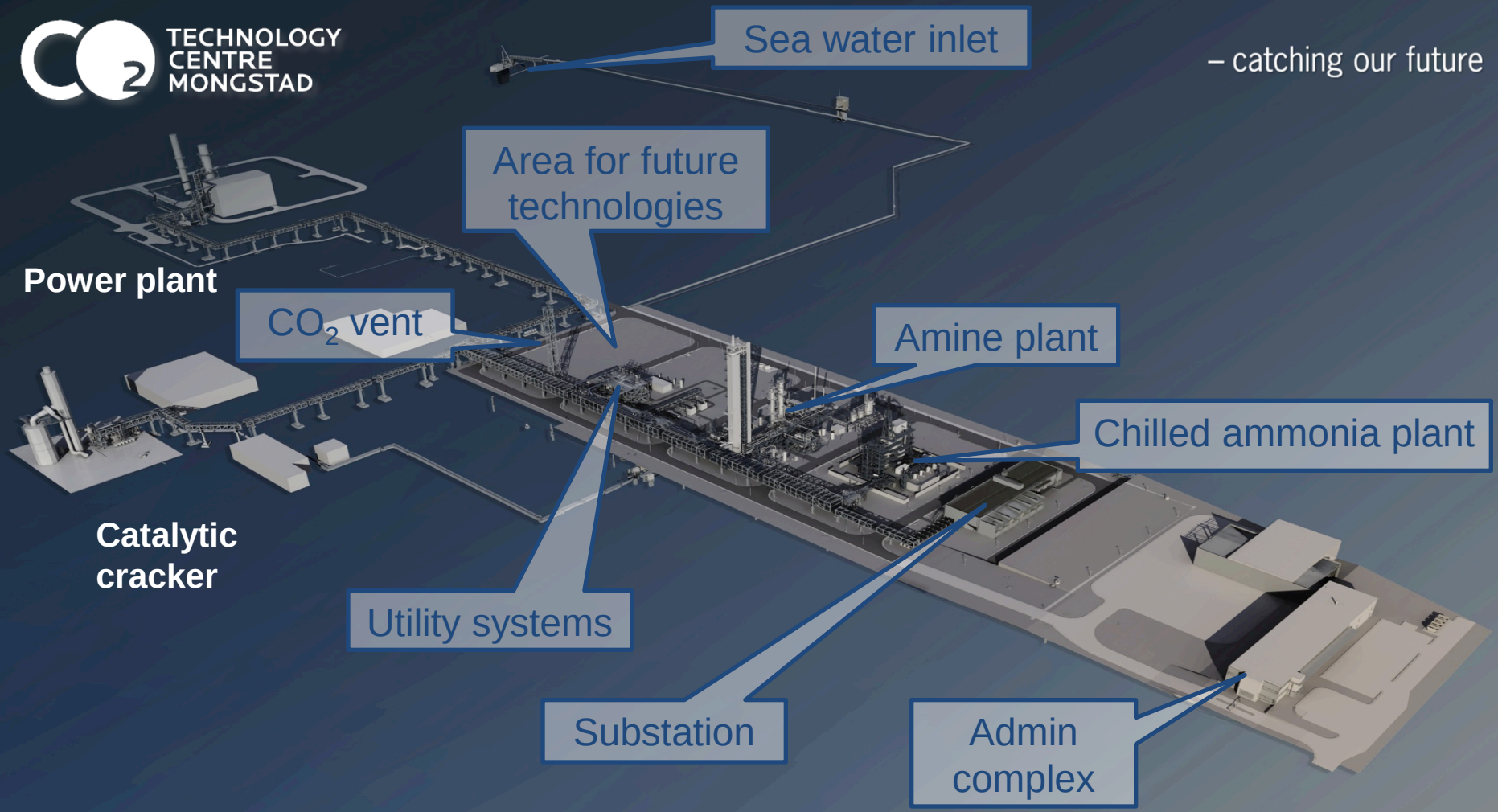
– catching our future




Power plant flue gas = 3.5% CO_2
Refinery RCC flue gas = 13% CO_2
- catching our future

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Collecting data from 4000 online instruments

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Analyzing samples from 100 sampling points

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Multi-discipline technical staff

1	Establish CCS as cost efficient climate solution with acceptable risk	▪ Reduce costs (Cost/kWh) ▪ Mitigate risks preventing full-scale solutions
2	Drive technology development	▪ Take active part in shaping the technology landscape
3	Position TCM at centre of a global knowledge network	▪ Be a centre in global network ▪ Exploit synergy with other players and institutions
4	Establish operating model which is attractive for users of TCM	▪ Set-up that is attractive for technology suppliers and R&D institutions to secure high activity level

Future utilization of Amine plant

- Good response to invitation (RFI) to use the Amine plant, e.g. Aker, Siemens, Hitachi, Mitsubishi
- Available for other users towards the end of 2013/beginning 2014.

Utilization of avaliable site

- Invitation to vendors to use the available open slot/land, utilities and other infrastructure
- Open for acceptance until 31.12.2012
  www.tcmda.com/Global/Dokumenter

More than 4000 visitors to date

Norway Punching Above its Weight in CCS

- Financial resources
- Technical competence and resources
- Fossil fuels and Norwegian gas export sustainable in the long term

Source: Gassnova SF

CCS projects

1

Sleipner

1996-

0,6 - 1

In Salah

2004-

0,7

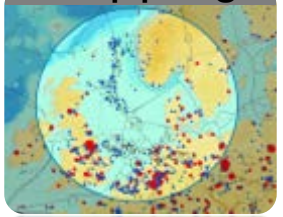
Snøhvit LNG

2008-

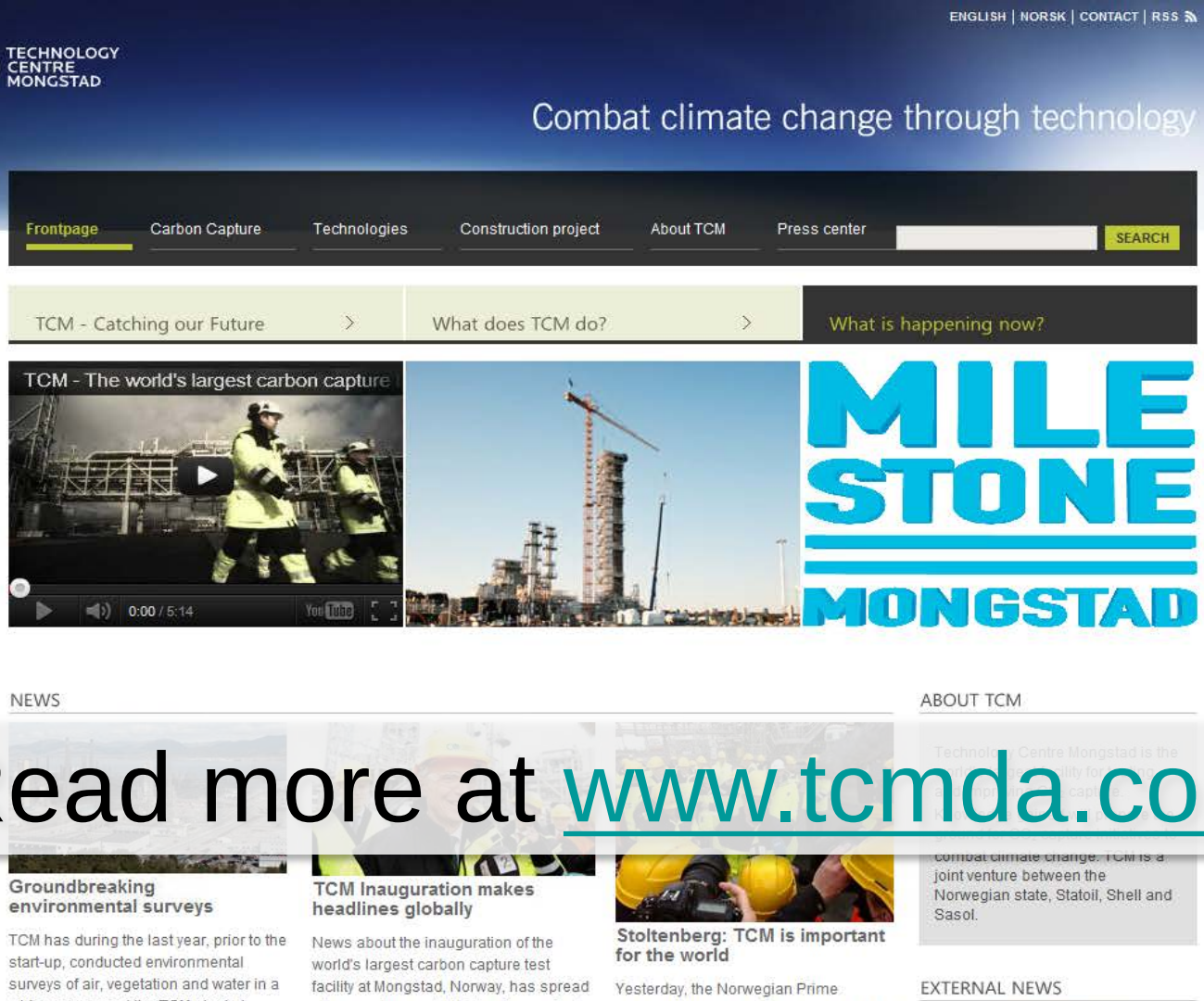
TCM

2012

Storage Mapping



Mongstad Full-scale



Read more at www.tcmda.com