The Norwegian University of Science & Technology (NTNU) - and its Applied Research Facility – The SINTEF Group



Number of employees:

NTNU	4.000
(Scientific	1.800)
SINTEF	1.700
(Scientific	1.100)

Students: 22.000
9.000 in Engineering & Science

Annual turnover: NOK 5.000M

A technological cluster with education, basic & applied research, innovations and business developments - of large importance for Norway

Gas Technology Center NTNU - SINTEF

Key numbers

NTNU

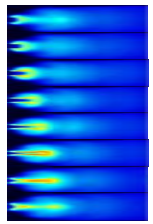
- **50 professors**
- **134 Ph.D. researchers**
- **15 post.doc. researchers**
- **Award 75% of all M.Sc. engn. degrees in Norway's**

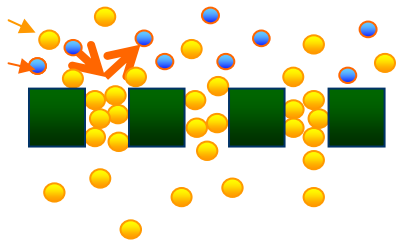
SINTEF

- **100 scientists**

Goals

- Portal for all natural gas related R&D at NTNU and SINTEF
- Promote transdisciplinary research initiatives
- Visibility to increase
  - recruitment of students
  - recruitment of researchers
- Increased domestic value creation from natural gas



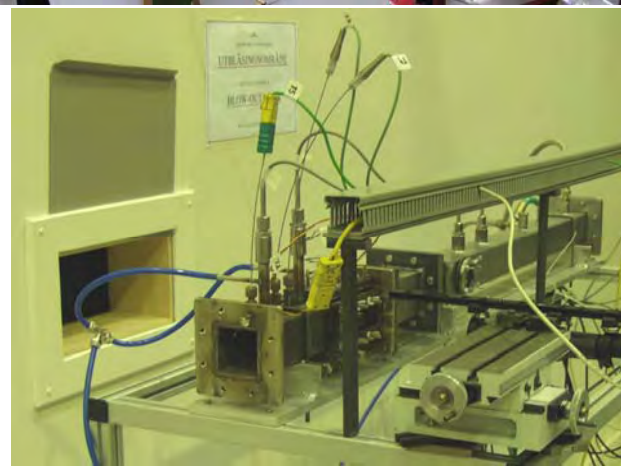


Gas Technology Center– World class laboratories

- Investment cost > 100 M€
- Valuable experimental knowledge
- Used in extensive R&D cooperation with industry
- Used in education and PhD projects











EU's 6th framework program

Gas Technology Center - external links





Authorities

International research

Industry

Engineering and vendor comp.

Energy companies

































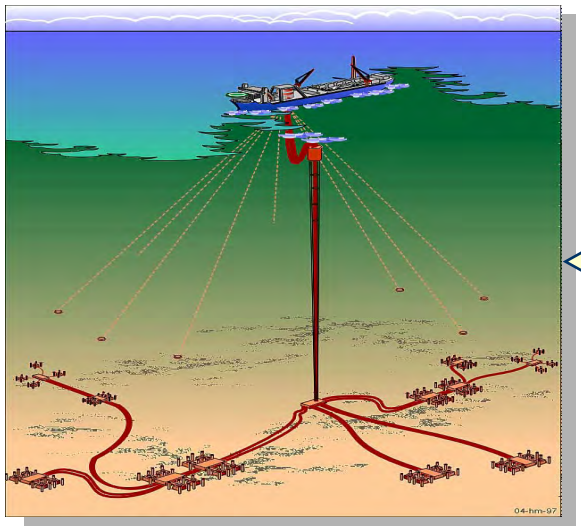
Gas Technology Center - summary

- Basic & applied research
  in close interaction with industry –
  across disciplines
- Complete natural gas value chain
- Resources: ~ 300 man-years

Innovation

Research

Education

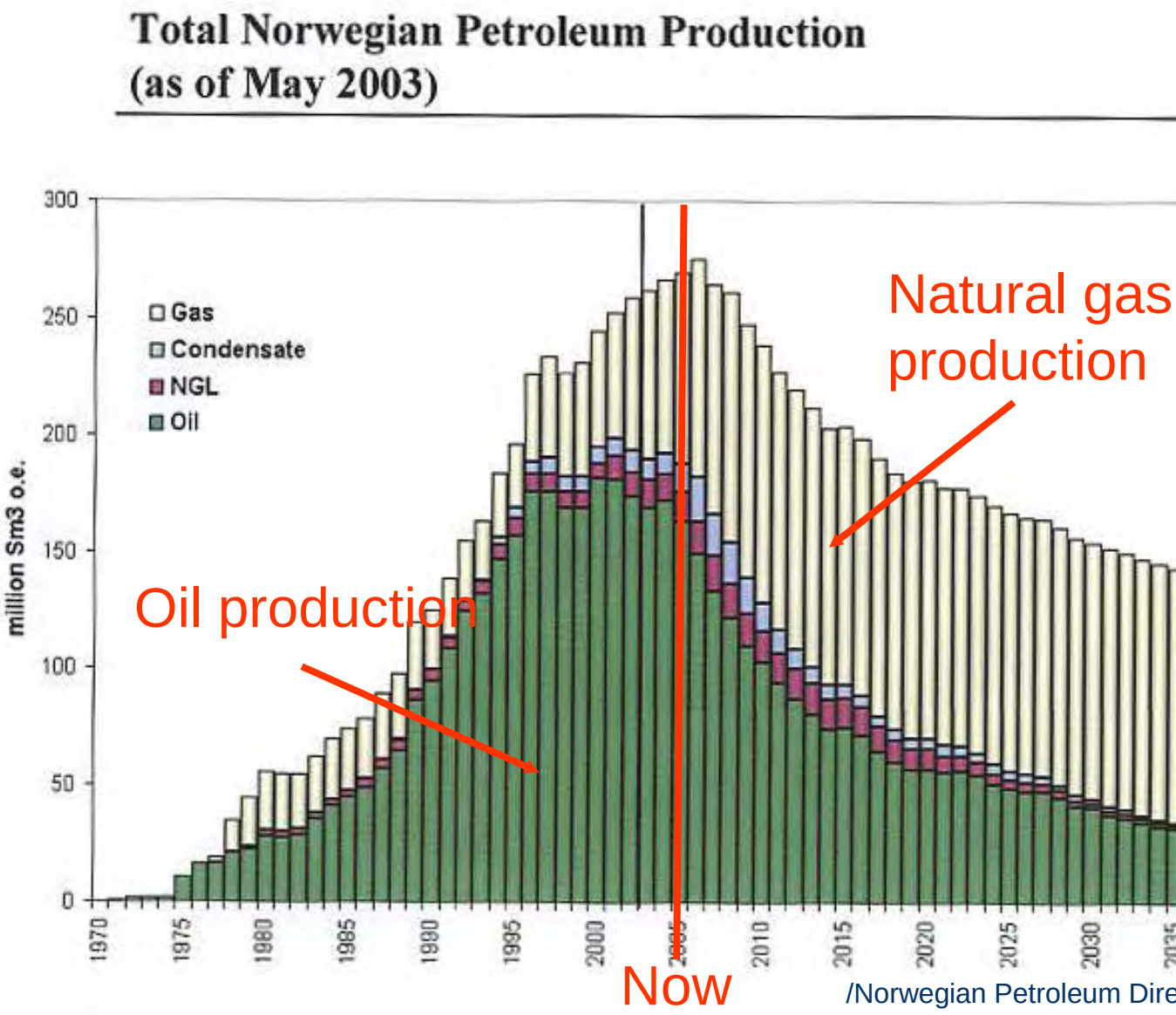


Source – End user



Natural gas is important for our country

- The oil and gas sector is vital for Norway – accounts for 21% of GDP
- Gas will dominate from 2010 onwards



PhD-pool - Goals

- Prioritere noen av stipendiene innen langsiktig, grunnleggende forskning for å bygge opp om allerede gode forskningsmiljøer
- Prioritere noen stipendier innen områder med høy risiko, hvor det er vanskelig å skaffe annen finansiering
- Prioritere noen stipendier som kan utløse like store midler fra andre kilder som det vi mottar fra RENERGI. Det betyr at dersom GTS og SFFE mottar midler tilsvarende 10 stillinger over en 3 års periode, og 4 av disse prioriteres innen mer anvendte områder, vil målsettingen fra vår side være å doble dette antallet ved innhenting av andre midler.
- Øke mulighetene for å få tak i de beste kandidatene, siden en lang søknadsbehandling unngås.
- Flest mulig av stipendiatene skal etter hvert tilordnes prosjekter innen RENERGI.