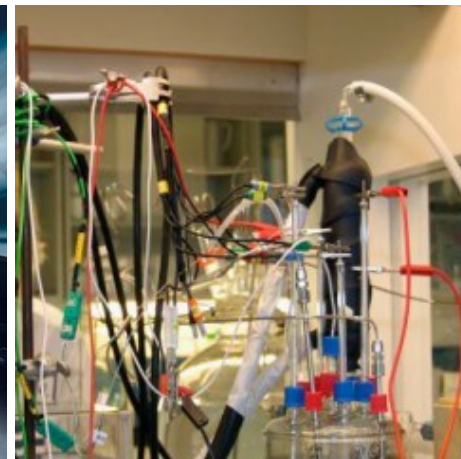
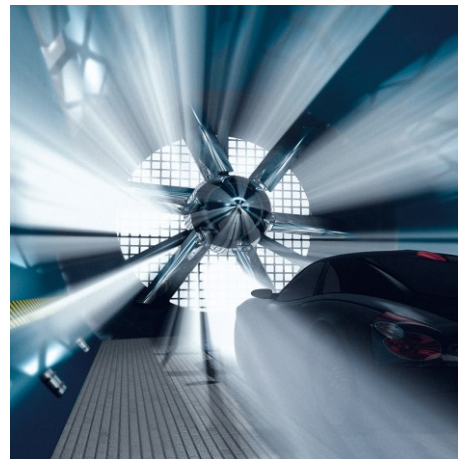
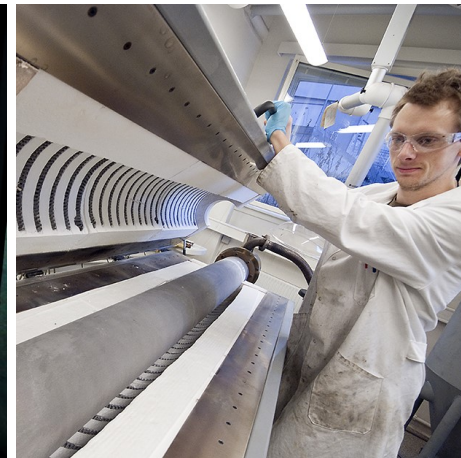
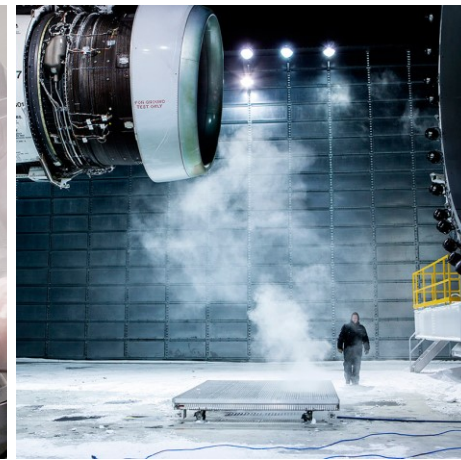


The Norwegian Catapult program

Increased innovation and development of Norwegian industry



Norwegian Catapult- Background

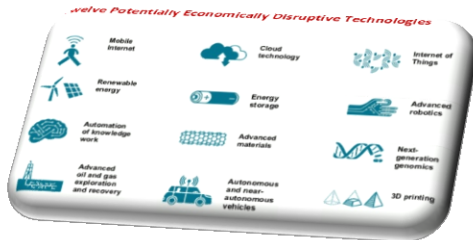
A need for change and renewal in the Norwegian industry



Oil price



Green economy

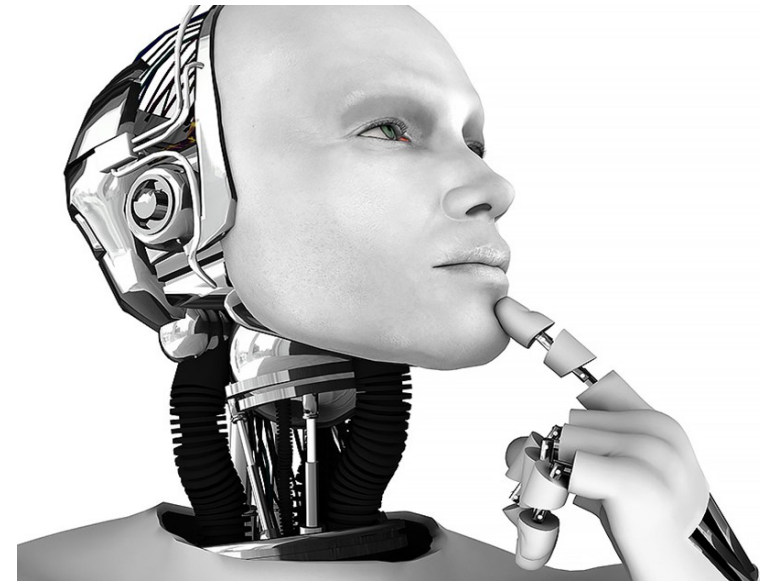


Disruptive technologies

Norwegian Catapult- Background

Change and renewal in the Norwegian industry increase the need for testing – simulation – visualization:

- More complex products and solutions
- Stricter requirements for functionality and quality.
- Strengthen the knowledge about and ability to implement new technology and methods
- To improve speed of innovation



Increase speed of innovation

The “Scale-up” Gap or Missing Middle

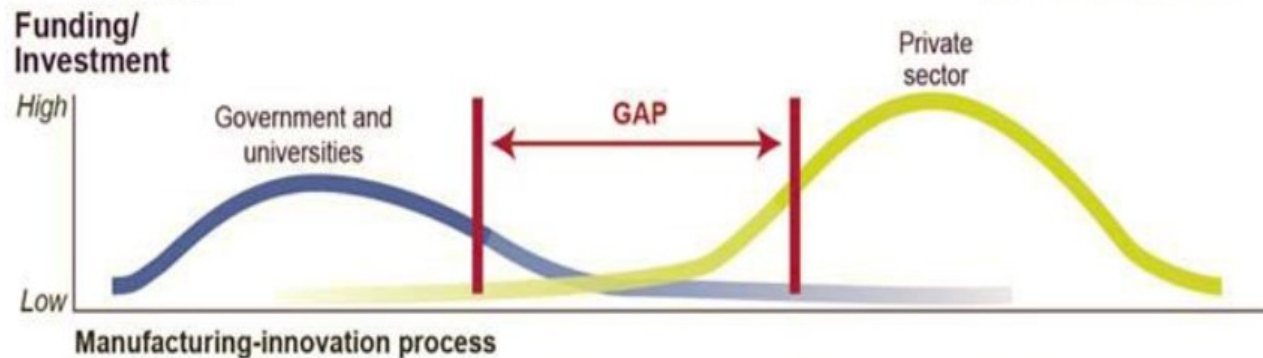


Basic R&D

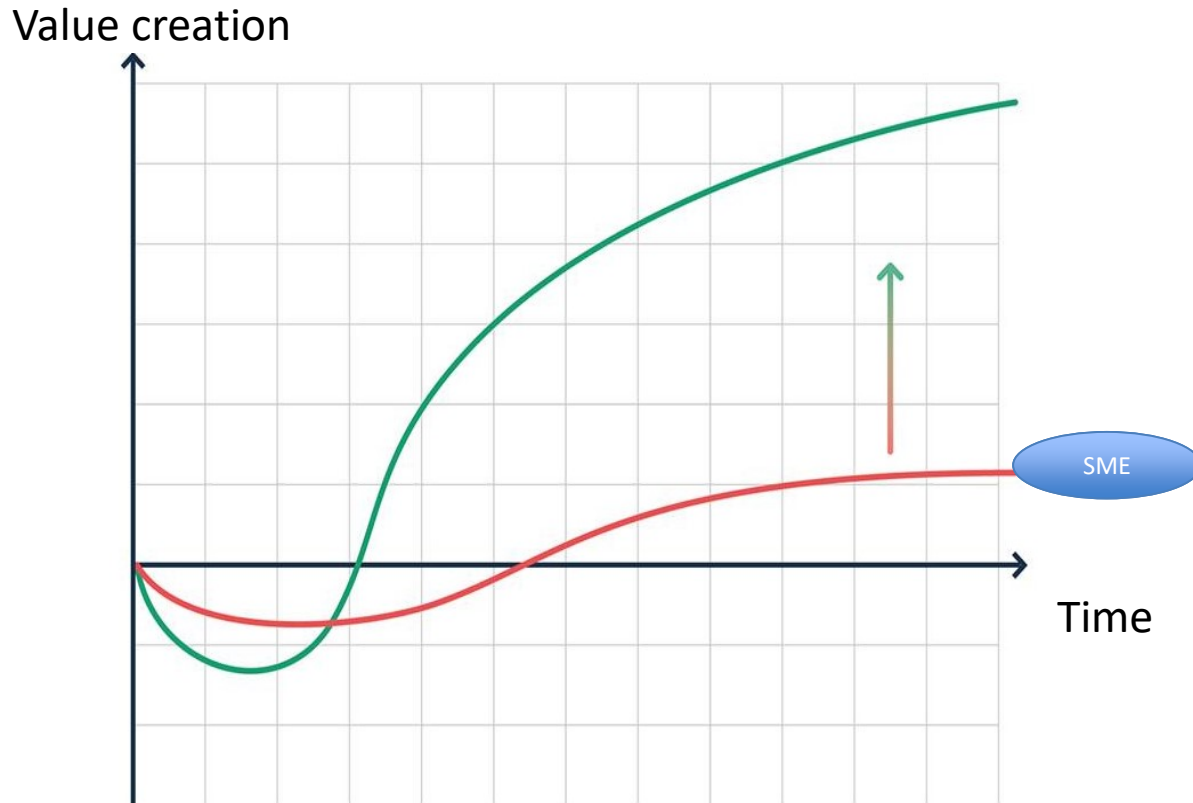
Common terms
The “valley of death”
The “missing Bell Labs”
The “industrial commons”



Commercialization



The SME challenge – low innovation capacity



99% SME

80% no growth in value creation

**Tomorrow's businesses need
more skills, cooperation,
sharing and infrastructure to
strengthen innovation and
competitiveness**



How can we meet the challenge?

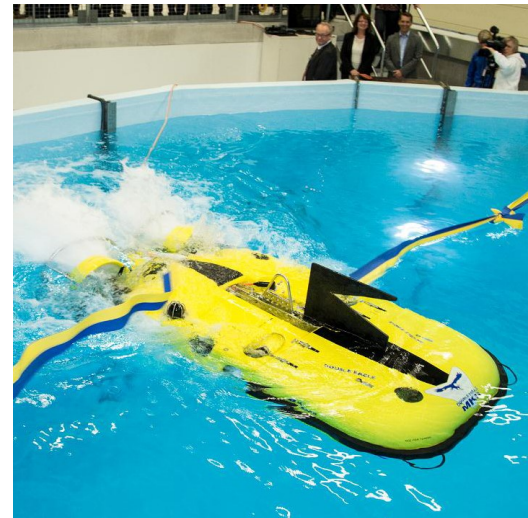
- Make competence and test facilities available for the companies
- Make sure that we have the correct competence for the future
- Develop centers where SMEs and others can train and exercise on new knowledge, technology and innovation methods and test, verify and simulate as well.



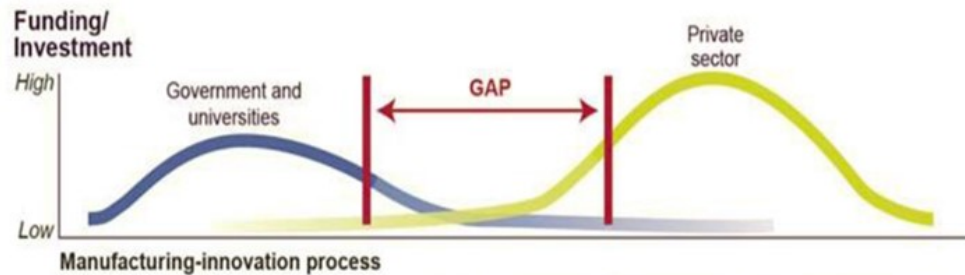
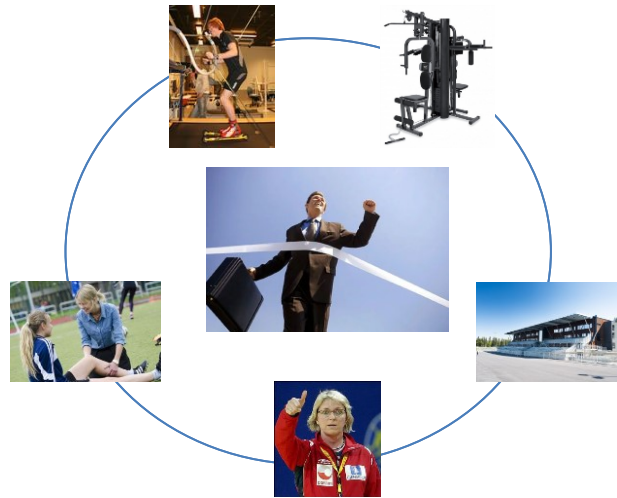
The Norwegian Catapult program focus

Will provide financial support for

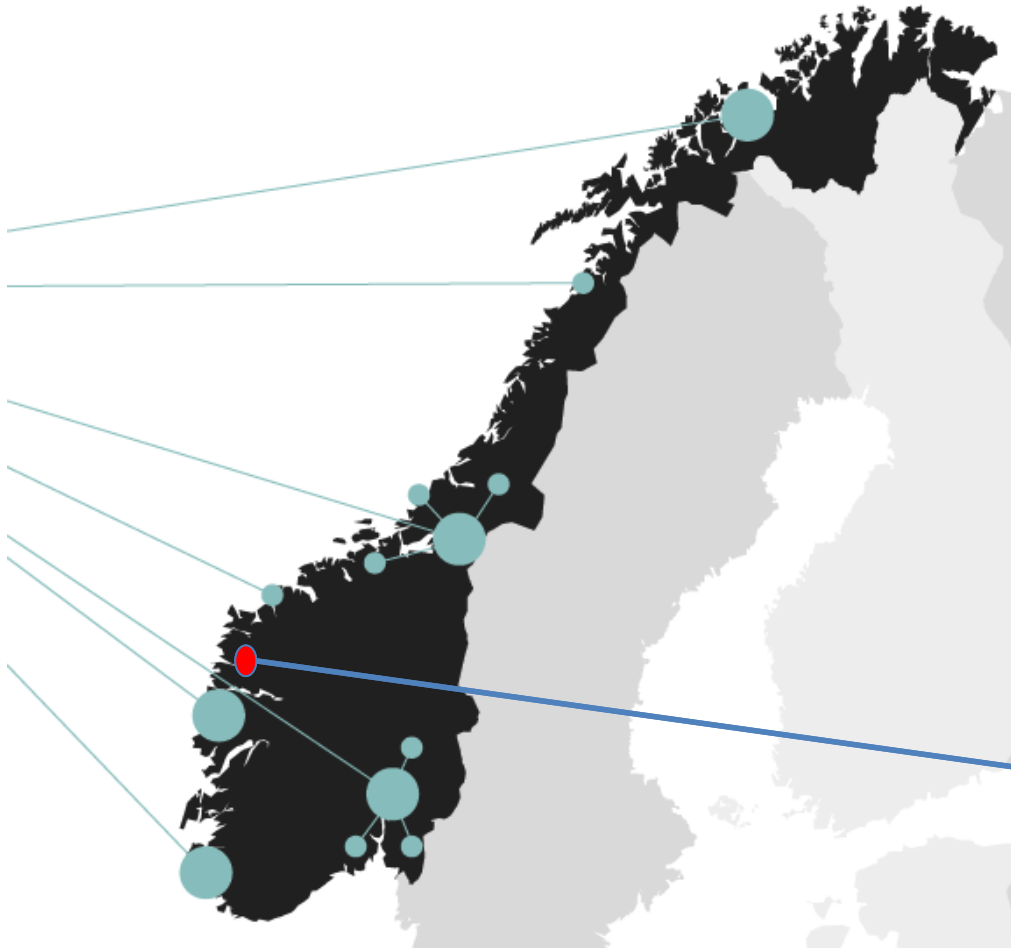
- Investment in real estate
- Investment in equipment
- Startup and development



Fill the gaps with training centers = catapult centers



A network of catapult centers



National centers

Highly specialized centers with competence on international level

The catapult centers will be fundamentals in ecosystems that provides increased innovation and industrial development in a national and regional perspective

Regional centers

The regional front runners that provides inspiration and basic innovation competence

