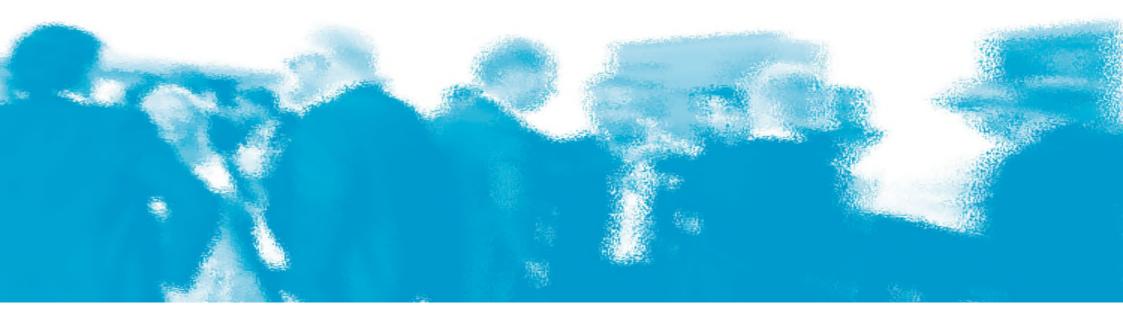
GCE | NODE | GLOBAL CENTRE OF EXPERTISE

A LEADING GLOBAL TECHNOLOGY CLUSTER



The Norwegian cluster program





GCE NODE Strategic goals:





Maintain and increase global competitiveness in core markets



Expand competence and technology to new markets



Strategic focus

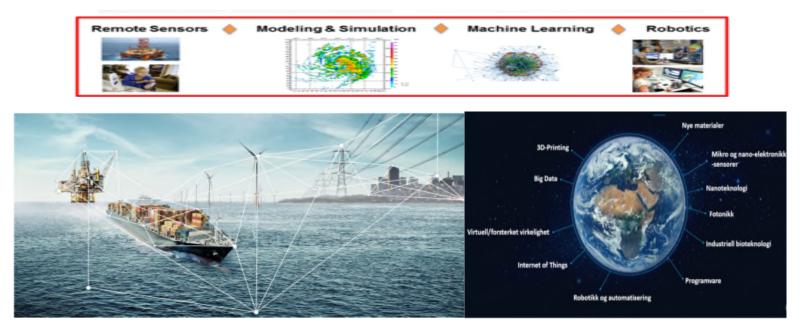
Increased competiveness and new markets





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A connected world – From sensors to IoT



Robotization and digitalization projects in the cluster:

- SFI Offshore Mechatronics
- Data Highway Access to data in real time
- ICT data Security competence program
- 3D print / Additive Manufacturing (AM) technology project
- Digital sustainable business models
- Cost reduction program by use of digital solutions
- Future Robotics network
- NODE Digitalization Network





NCS - Status today

Suppliers - little access to data in real time = low level of services in real time during operations.

Integrated operations (IO) - the use of information technology to change work processes to achieve better decisions, remote control of equipment and processes, and to move the functions and personnel onshore. Stortingsmelding nr. 38 Om petroleumsvirksomheten(2003-2004)



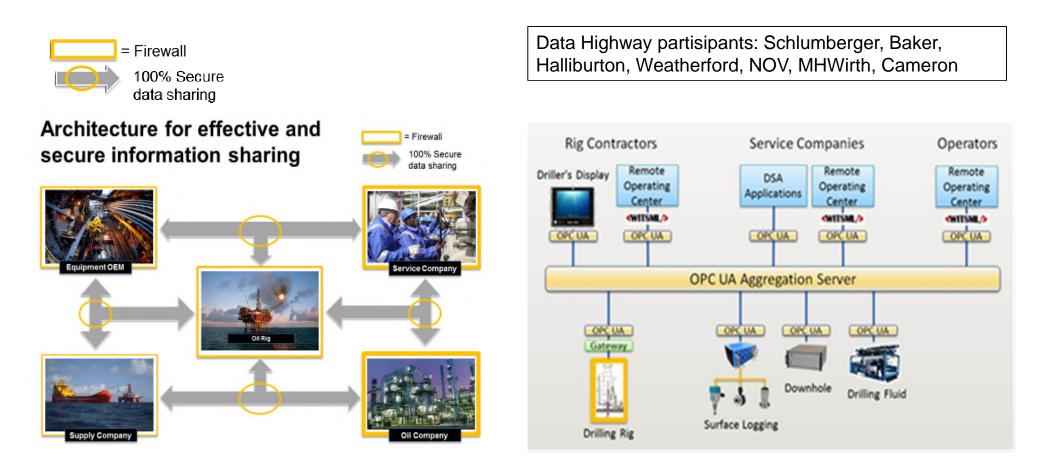
Source: TU 12.09.2013



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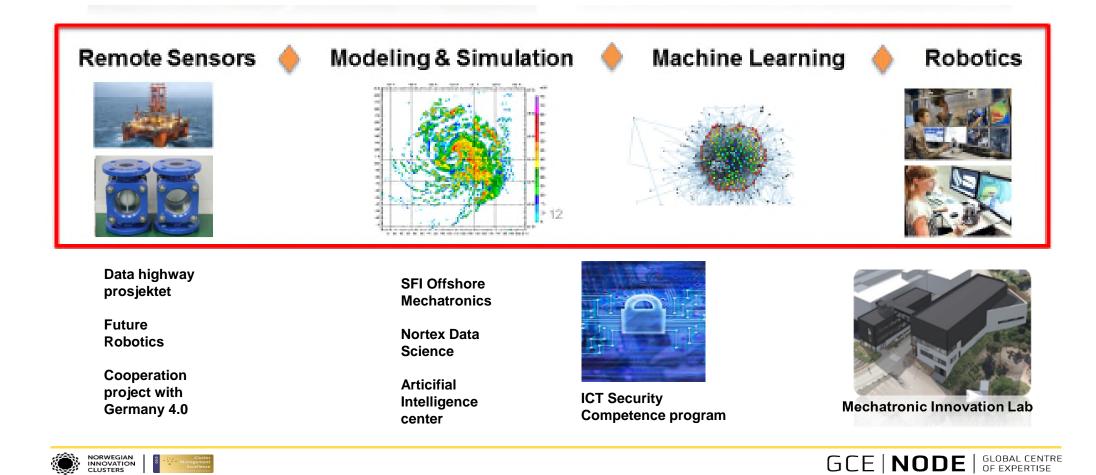


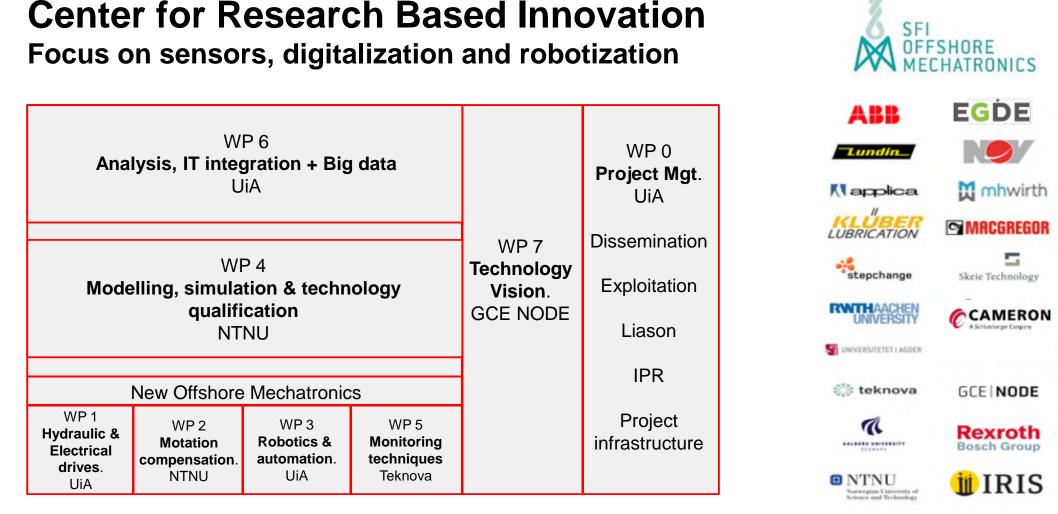
Architecture for effective and secure information sharing Example – Data highway project





Agder today – High competence on digital solutions Generic competence for many business segments





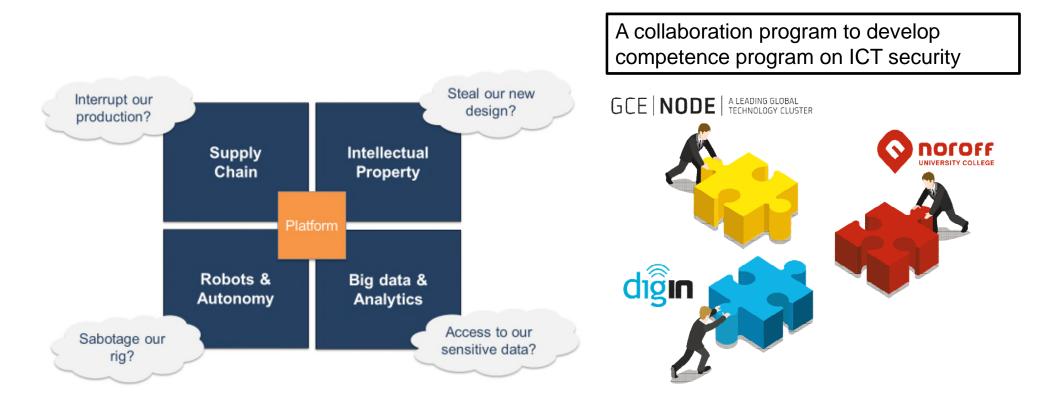
200 MNOK R&D project hosted by University of Agder (UiA)



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Increased digitalization

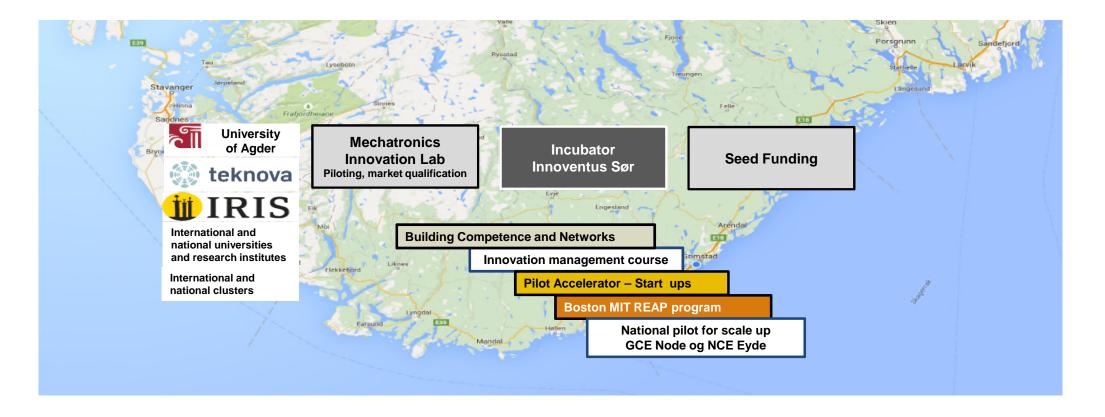
Security – Critical to succeed





A network and ecosystem for digitalization and innovation

Agder - a competitive region for investments





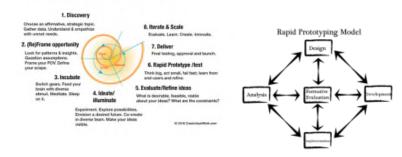


Mechatronics Innovation Lab – Focus robotization and digitalization





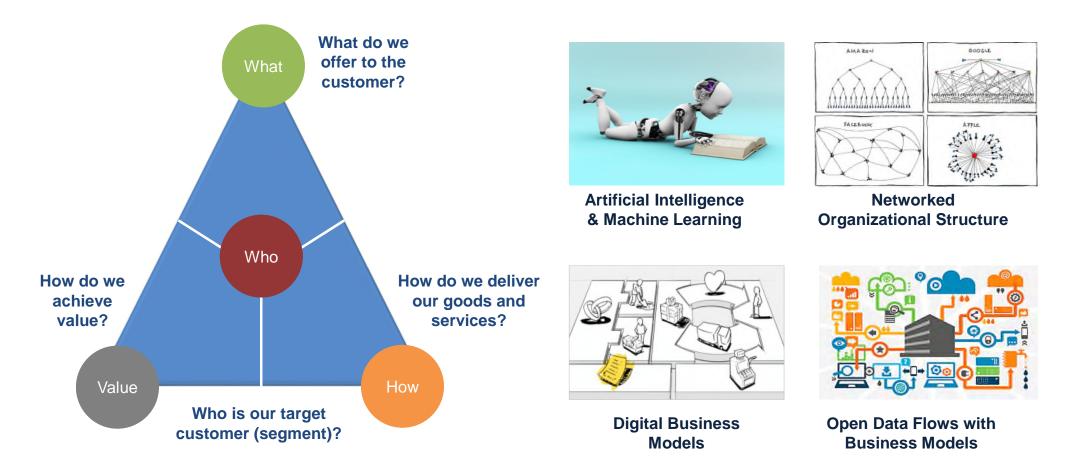
A Framework for Design Thinking







Digital transformation challenges business models





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