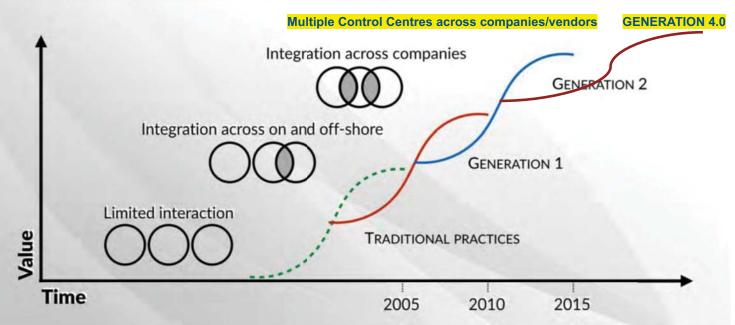
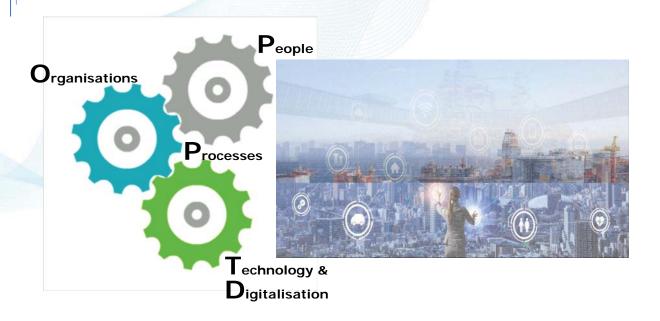


Integrated Operations = "Use of technology and real time data to achieve safer, faster and better decisions. Collaboration across disciplines, companies, organizations and geographical boundaries/locations"



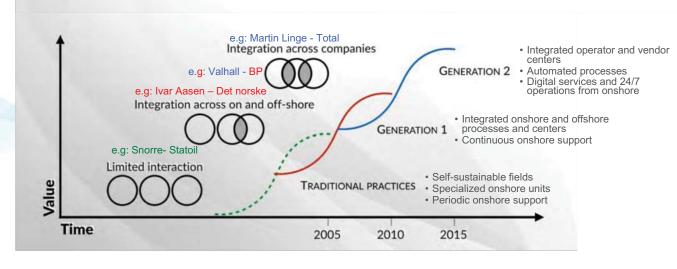
#### **Integrated & Remote Operations**

The "PPTO" - perspective - Seamless and improved collaboration & Remote Operations



### Martin Linge – A step against generation 2

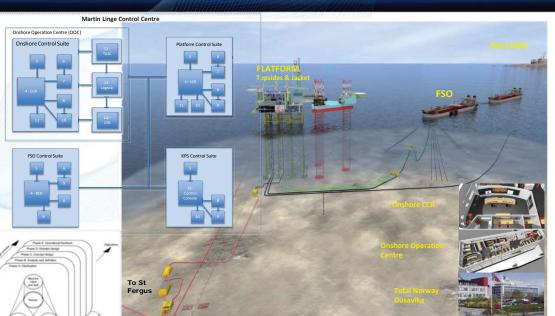
Integrated Operations = Collaboration across disciplines, companies and organizational and geographical boundaries, made possible by real time data and new work processes, in order to reach safer and better decisions - faster



# Martin Linge Operating Philosophy By use of extended implementation of Integrated & Remote Operations

- The ML O&M Philosophy states that the main objectives for Martin Linge Integrated & Remote Operations are to:
  - integrate all aspect of IO; People, Process, Technology and Organization
  - make quicker and better informed decisions in a distributed organization, based on right time information available to all disciplines independent of location throughout the field lifetime
  - achieve full condition monitoring and performance of equipment and systems by access to all field data from onshore, including data needed for production optimization and drilling performance
  - create working arenas and utilize technology suited for safer, quicker and better informed decisions
- The aim for Martin Linge is:
  - to work closer and more integrated together with selected vendors and service contractors (ref. the OLF IO Generation 2 model)

## Martin Linge Control Centre according to ISO 11064 definition



Use of CRIOP and other HF scenario analyses to verify and validate

### Digitalisation – A step towards IO generation 4.0

Our definition:

Applying digital technologies,
changes to people and
work processes to
increase production efficiency
while minimising environmental impact
and improving the safety of the people involved.

# Some of the digital enabling technologies

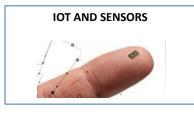
























- Operation & Maintenance Philosophies
- Feed-back from assets, Operations business units
- Lesson Learned from projects and modifications
- Continuous Improvements



#### Business Value Cases

- Develop "real" business value cases
- Scenario analyses
- · Risk assessment
- · Decision support Packages
- IO contract strategy



#### **Digital Solutions**

- People, Processes, Technology & Organisations
- Automation & Decision support
- Agile approach, but Verify and validate
- Change Management plans and implementation
- Stakeholder Management

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