


# Crossing energy frontiers



Integrated Operations (IO)  
Tor Tønnessen 05.05.15

# STEP

Statoil  
technical  
efficiency  
programme



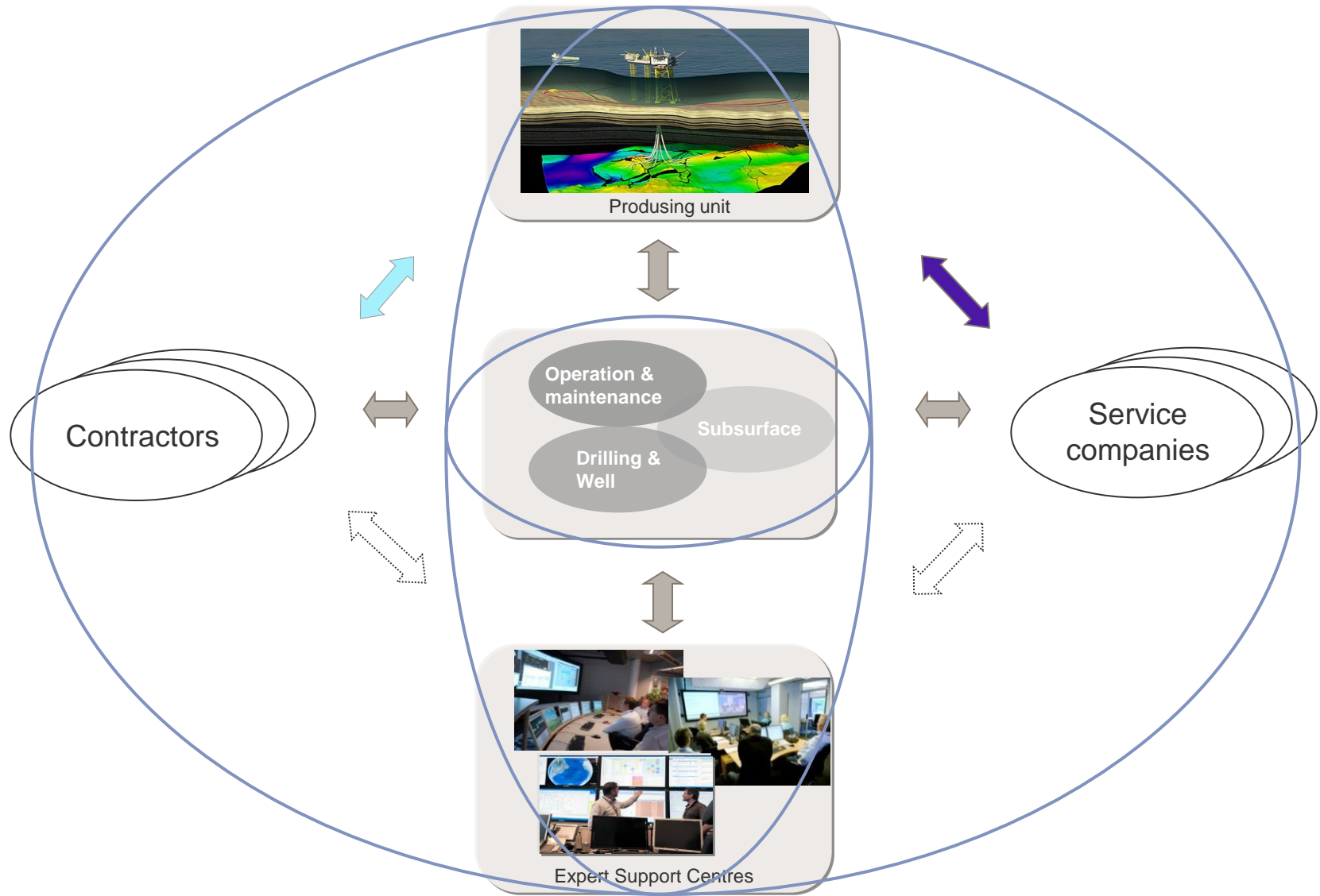
Statoil technical efficiency  
programme - STEP



# STEP is Statoil's response to the industry challenge

- Critical to improve competitiveness and will contribute to deliver annual savings of USD 1.7 bn from 2016
- A major opportunity to simplify the way we work
- Requires response from the entire industry
- STEP consists of six projects

# Integrated Operations (IO) – a cornerstone for realizing the common operating model



# Integrated Operations (IO) Definition

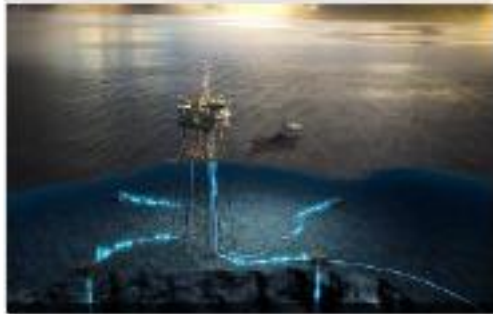
*A way of working based on the integration between People, Technology, and Organisation (MTO) focusing on effective collaboration and utilisation of data, competence and experience across organisations and functions independant of locations*

# Why Integrated Operations as a way of work

The goal is to contribute to:

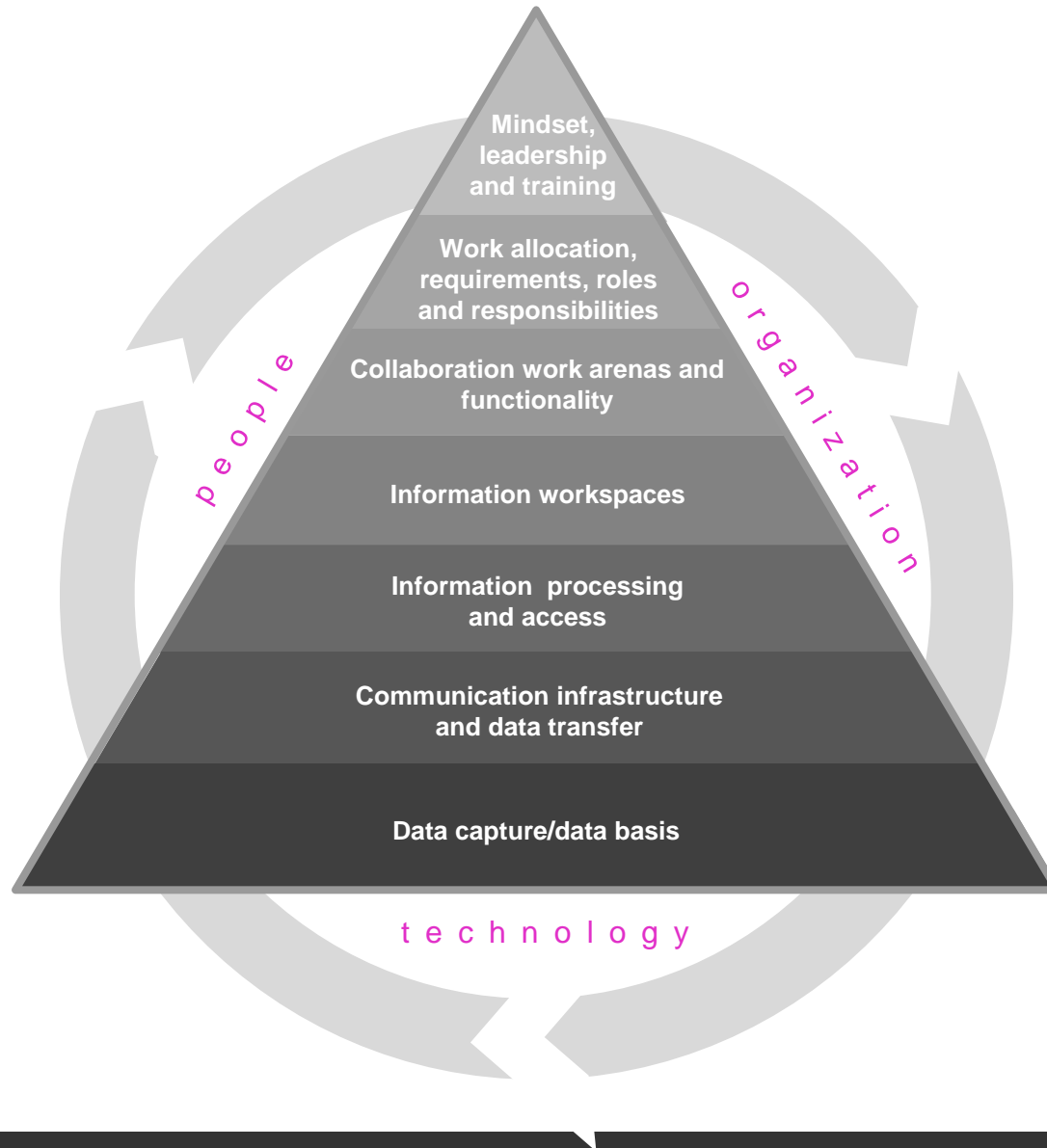
- Lower operation and maintenance costs
- Operational control, overview, up-front awareness and pro-activeness
- Safe and efficient drilling & well operations
- Optimized hydrocarbon recovery
- Optimized production efficiency and regularity
- Lower offshore work-load

# NCS broadband communication network



Backbone capacity 2,5 Gb and 155 Mb redundant backup to all installations

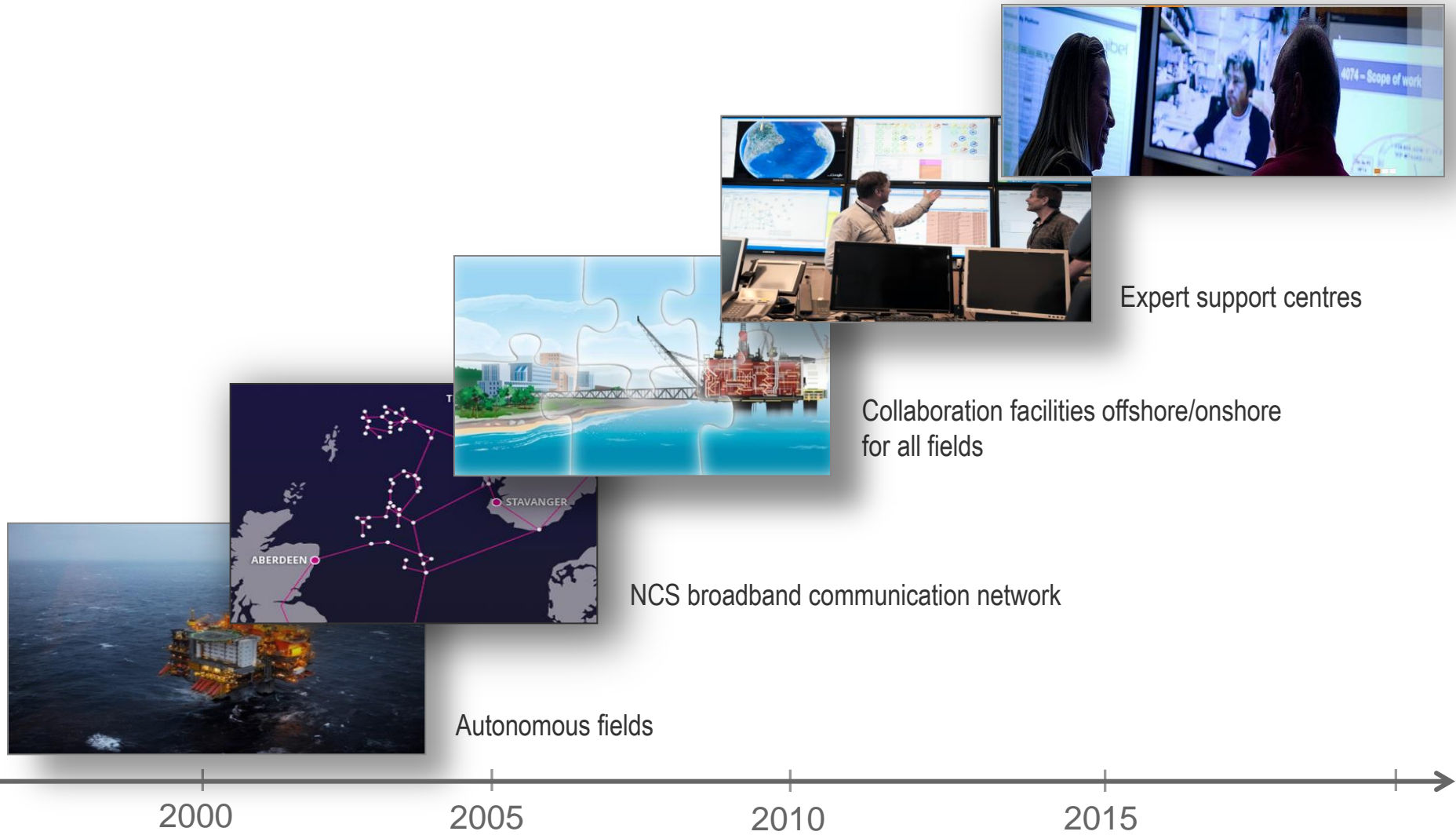
# IO success criteria



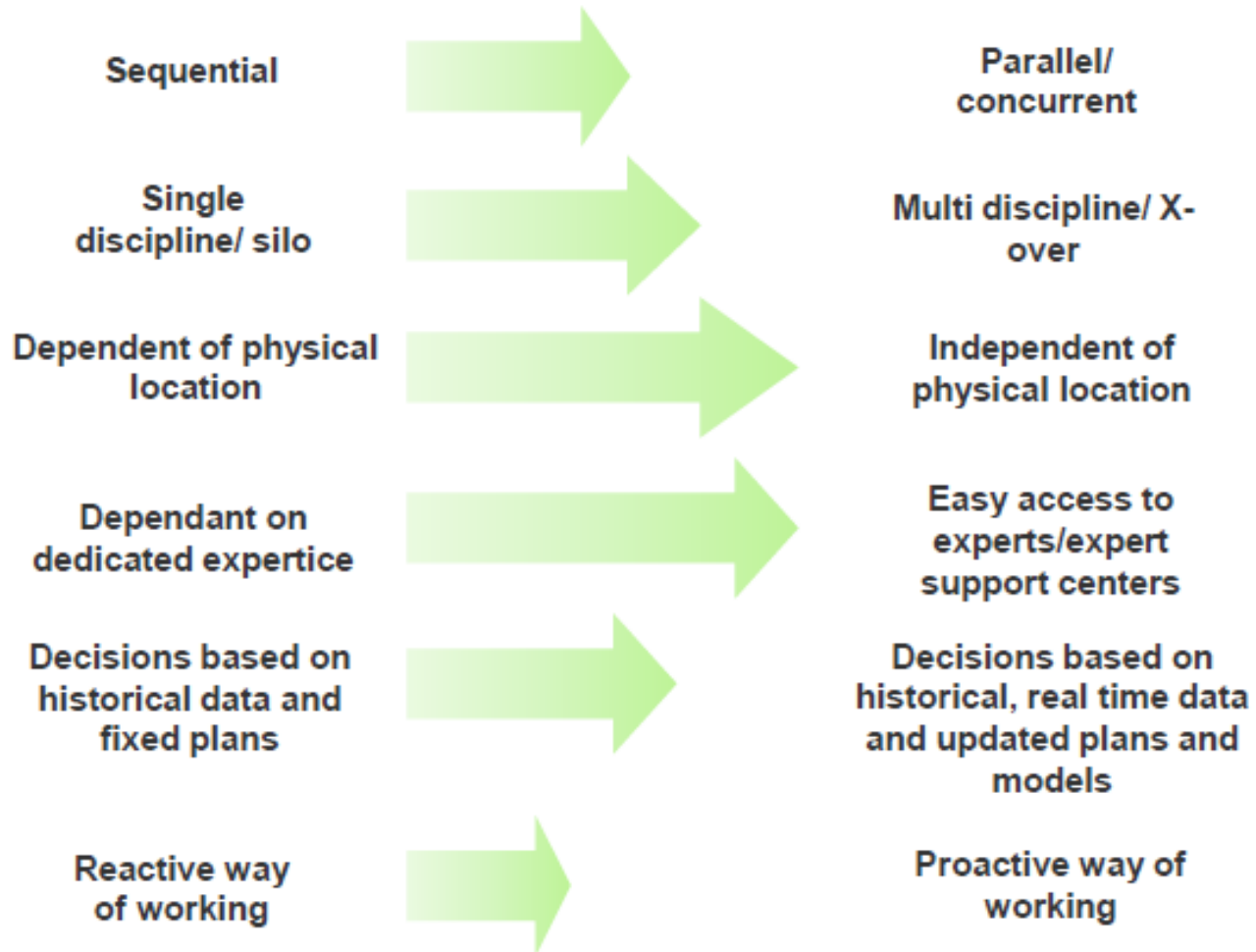


# Development of Integrated Operations in Statoil, NCS

IO way of working  
Cross-functional  
Network based



# Deep changes to our way of working



# Piloting and further development: Mobile employees need mobile solutions

## Benefits

- Information where you need it and when you need it
  - My work list
  - Maintenance history, documentation
  - Notifications, work orders etc.
- Increased productivity
  - Reduced need to walk from work site to PC
  - More effective task coordination
  - One time data entry (no papers)
- Simplified user interface, customized to the tasks at the work site
- Increased quality on data input
- Photo attachments & video communication



# Improving medical treatment using IO (telemedicine)



Haukeland University Hospital, Bergen  
St. Olavs Hospital, Trondheim  
Stavanger University Hospital

## Documented benefits:

- *Real time EKG, ultrasound data, images etc.*
- *Quick expert diagnosis*
- *Improved health service to offshore employees*
- *Reduced costs for rescue helicopter mobilization/ transport*
- *Improved emergency preparedness*