

FFU Presentation 31.01 2008

New Generation DSV

Interaction Options Remote and
Manned Intervention

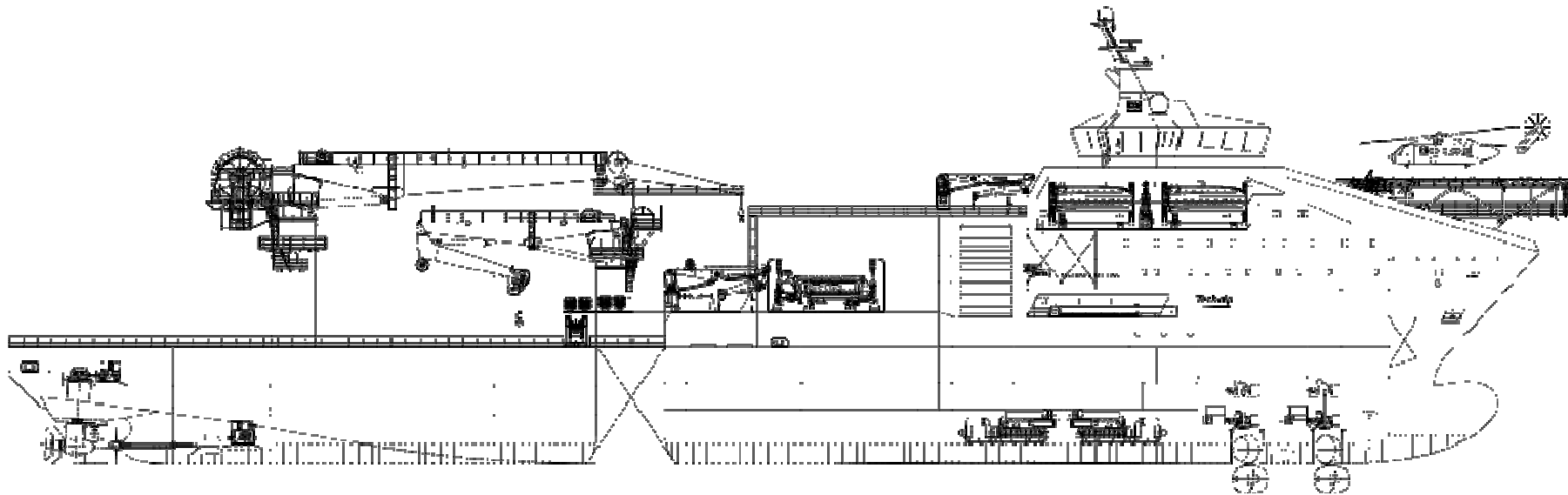




Presentation Content:

- ▶ **Technip New Subsea Construction and intervention vessel**
- ▶ **Intervention discussion**
- ▶ **Control Room Philosophy**
- ▶ **Lay-out and facility**

DOF / Technip Construction Vessel



The AKER OSCV ~~06018XENINSE19~~ is the state of the art diving
 24 Onboard construction support vessel - 217 m
 400 T AHC cranes 140 Max Draught 6.5 m
 Helicopter deck - 21 m Deck cargo - 5 500T



REMOTE OPERATIONS

Methods of Intervention in Offshore Construction

▶ Definition of Intervention

- Use of technology to inspect, connect and repair installations

▶ Intervention in Offshore Subsea Construction

- Manned and/or unmanned
- Means to survey installation process
- Means to verify position
- Means to connect structures and infrastructure
- Means to erpair mistakes
- Means to define "as built" situation

▶ Common features

- Defined by Engineering basis and Risk Analysis

Control Room Philosophy

▶ **Simplistic**

- The vessel shall execute a job
- The Control Room is the "Brain of Execution"

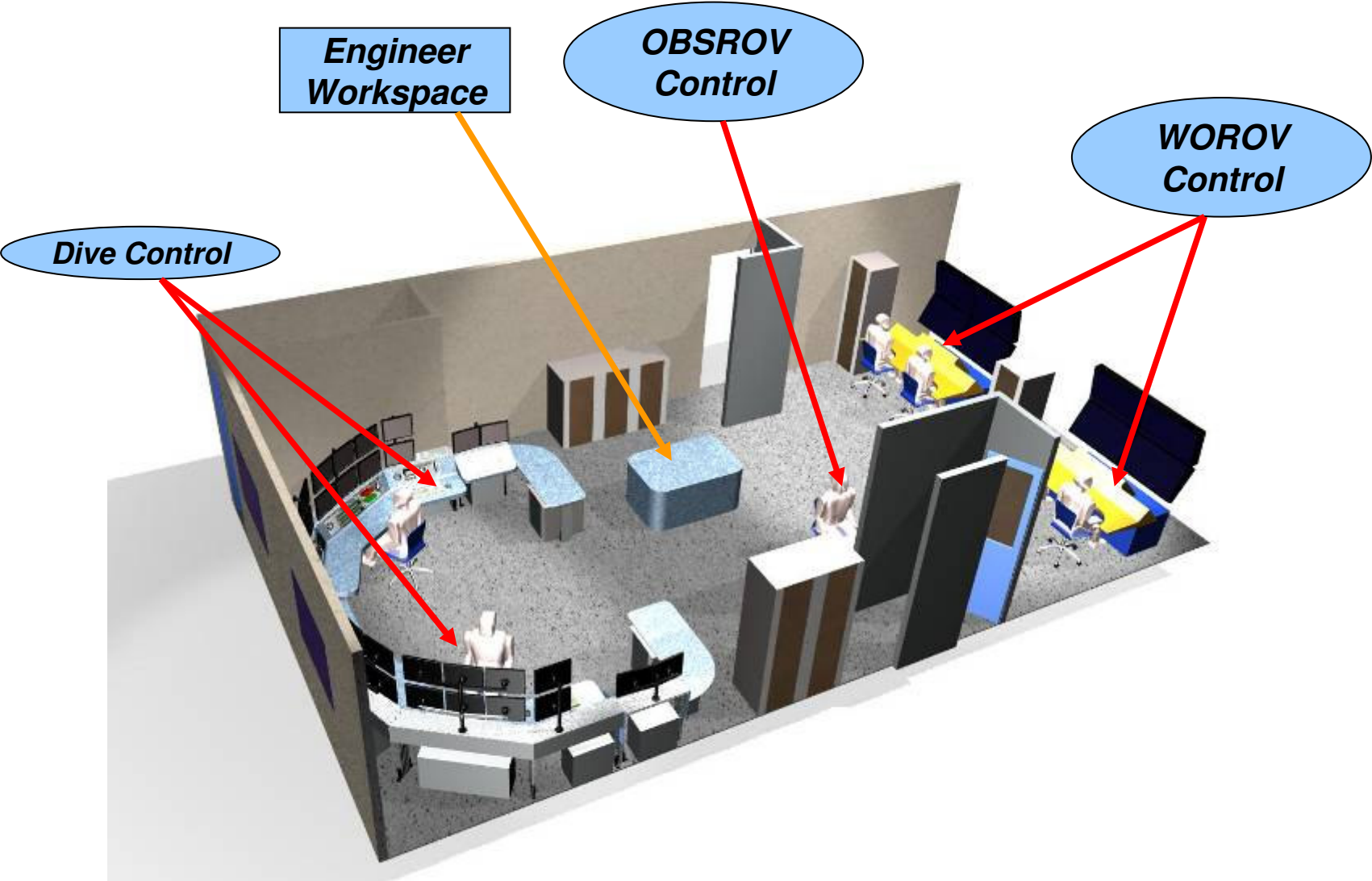
▶ **Consequence**

- The Control Room must be built around the executioners of the job, the Offshore Manager.
- All intervention is executed according to ENGINEER instructions (Approved Procedures)
- The feed-back from operations form part of As-Built documentation

▶ **CONCLUSION:**

- The engineer's workplace should form the centre piece of the Control Room to ease information flow before, through and after the work.

Control Room



ON SITE MANNED AND UNMANNED COOPERATION

Alvheim field

