Implementation process of UID / HydroneR at Njord A

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UIDs Benefits

OPERATIONAL DE-RISK
Remote subsea interventions

CO2 EMISSIONS
Reduce carbon footprint

DIGITALIZATION
More quality and frequency of inspection data

FIRST AID
Quick intervention in case of dangerous conditions

COST
Cost effective Vessel-Free Interventions

REMOTE/DEPLOYABLE CONTROL ROOM

UNDERWATER DRONES (with inter-changeable payload)

UNDERWATER GARAGES
(housing inter-changeable payload)

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Hydrone-R

Underwater Inspection / Intervention Drone

1. **Hydrid**
   AUV / ROV
2. **Subsea Resident**
   designed for long term immersion
3. **Remote**
   designed for remote control
4. **Flexible Platform**
   multi-instrument and tools

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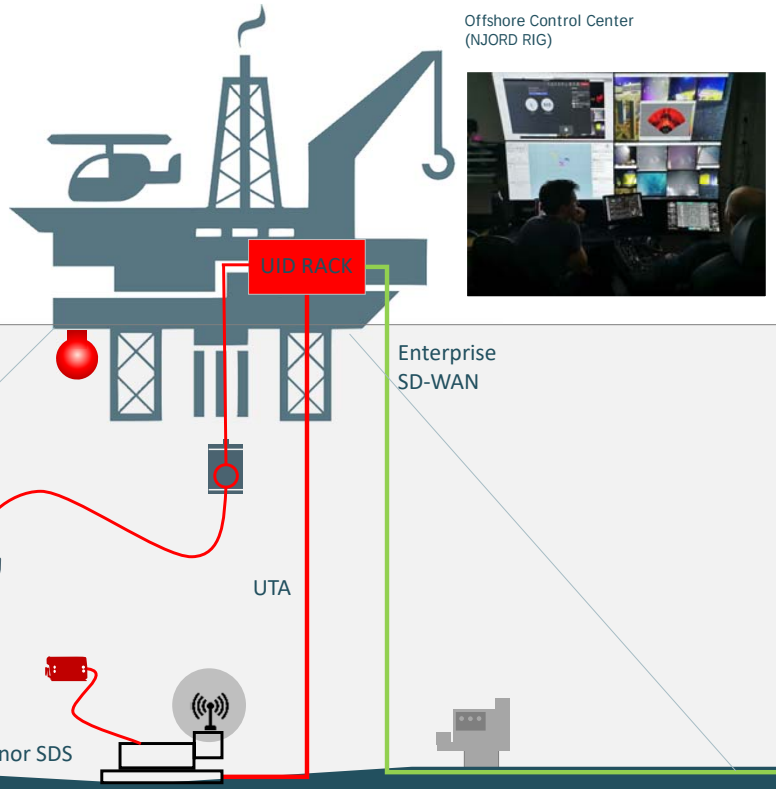
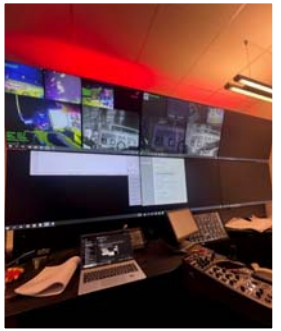
FFU

Hydrone-R deployment for NJORD-A





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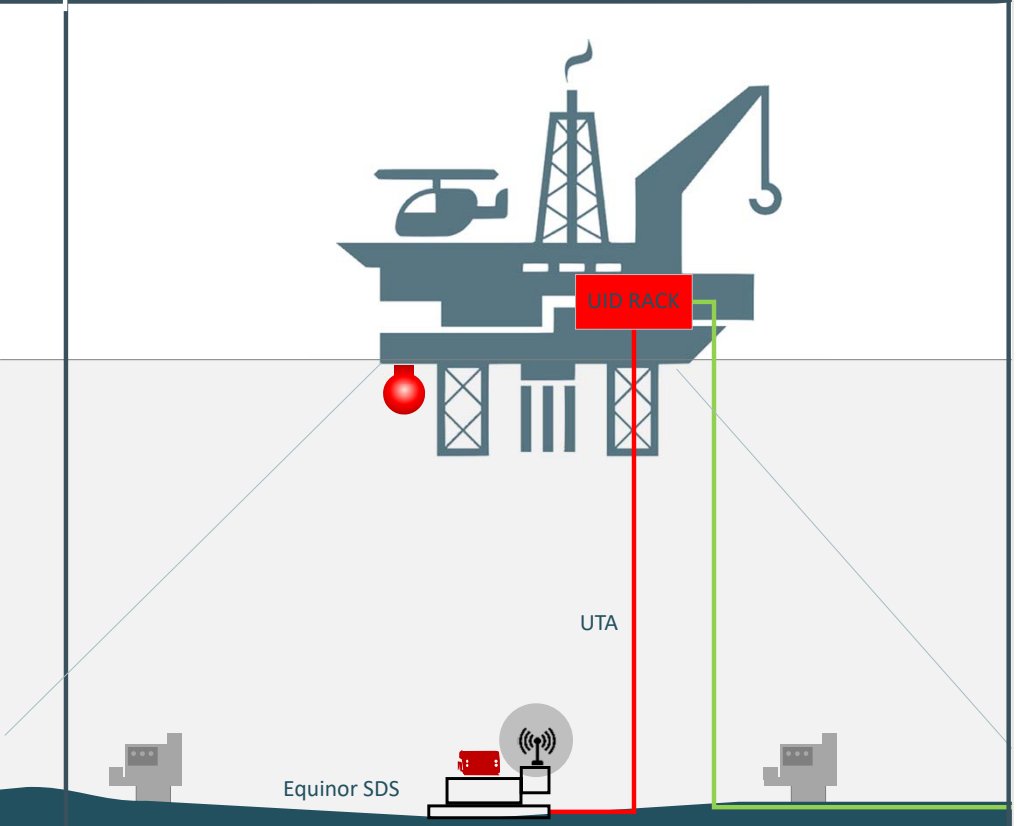
Hydrone-R deployment for NJORD-A



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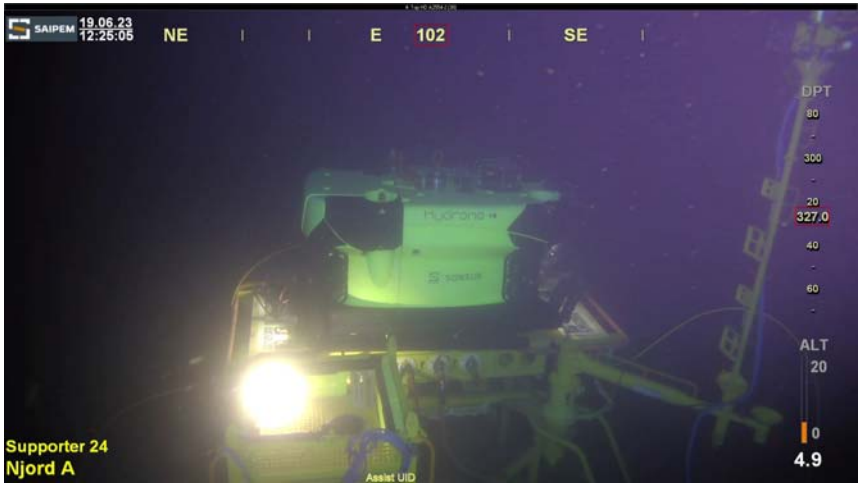
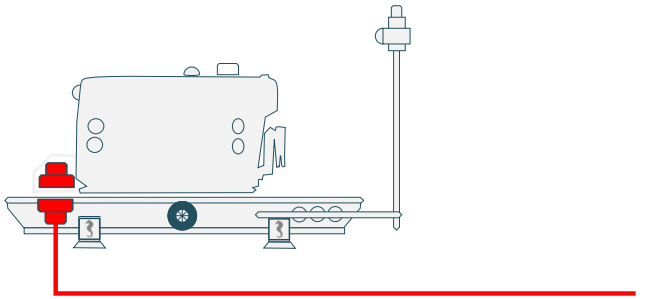
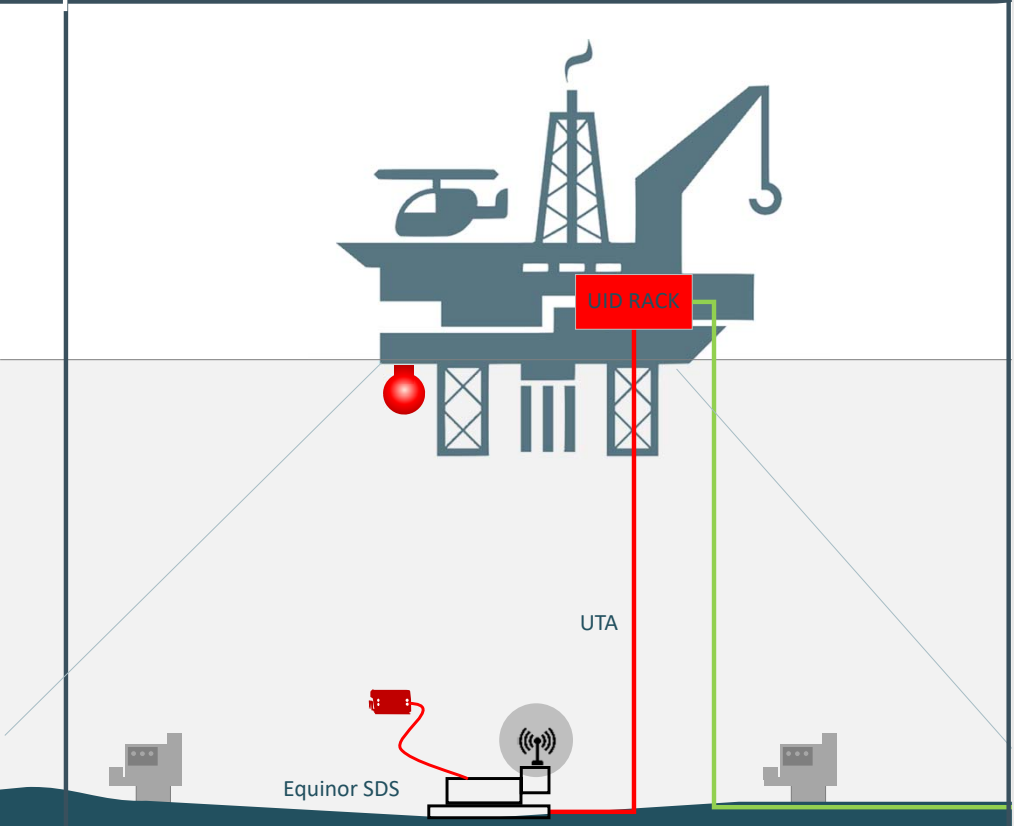
SDS Connection





Hydrone-R deployment for NJORD-A



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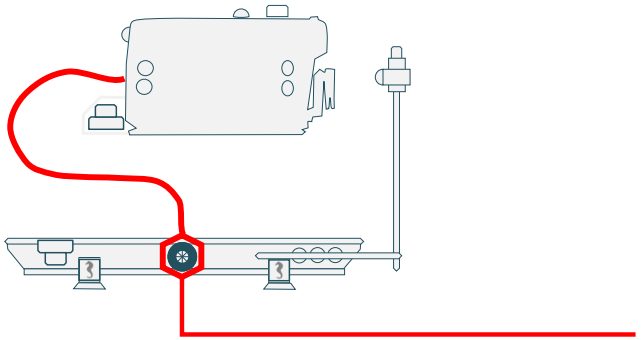
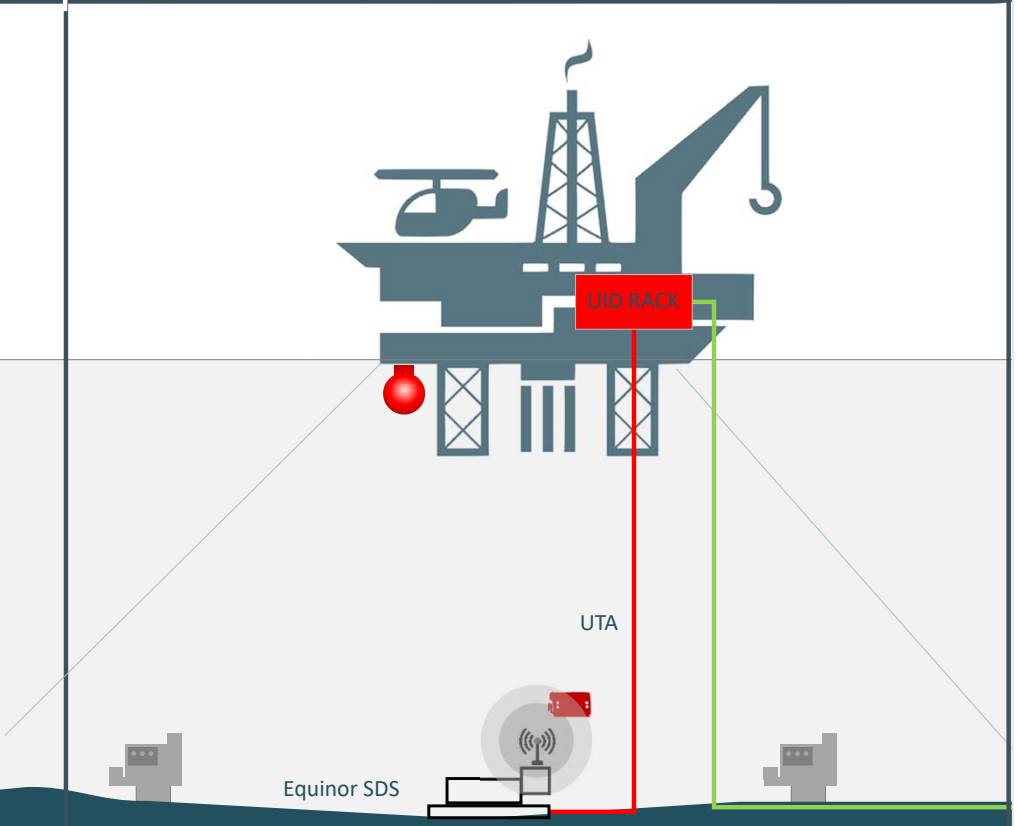
ROV Mode



Hydrone-R deployment for NJORD-A



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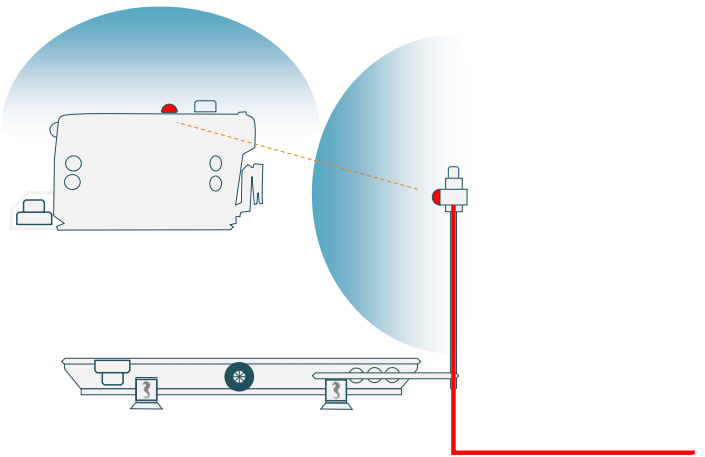
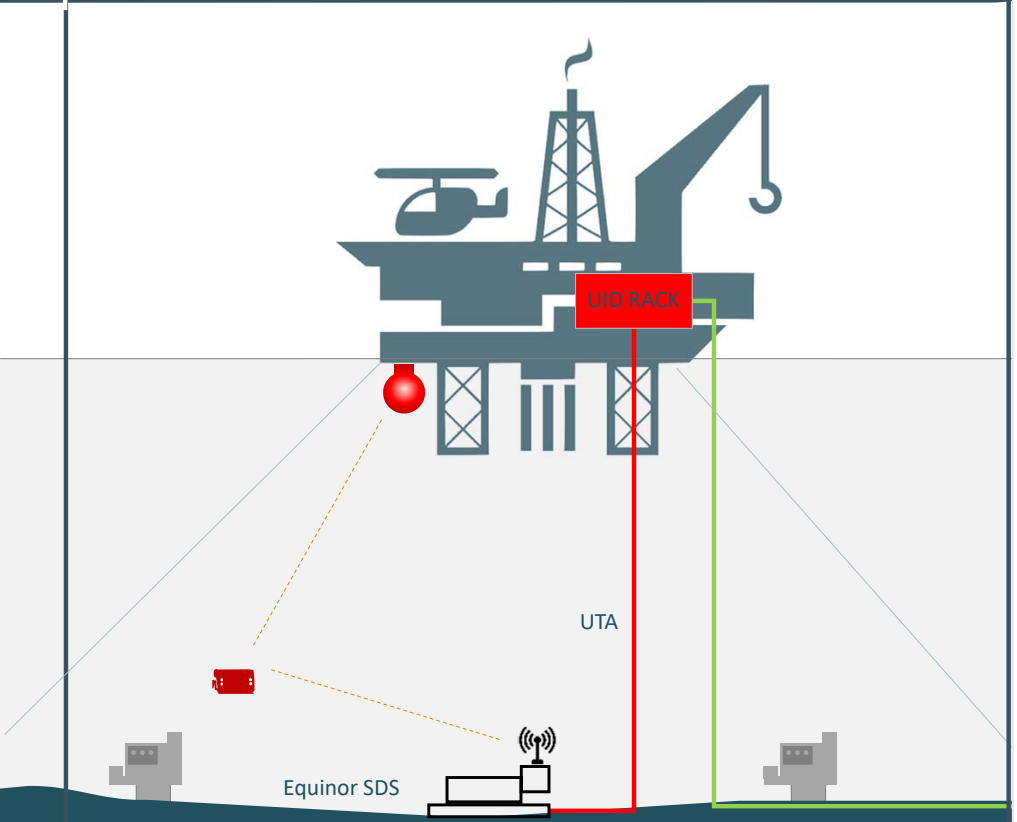
WiFi ROV



Hydrone-R deployment for NJORD-A



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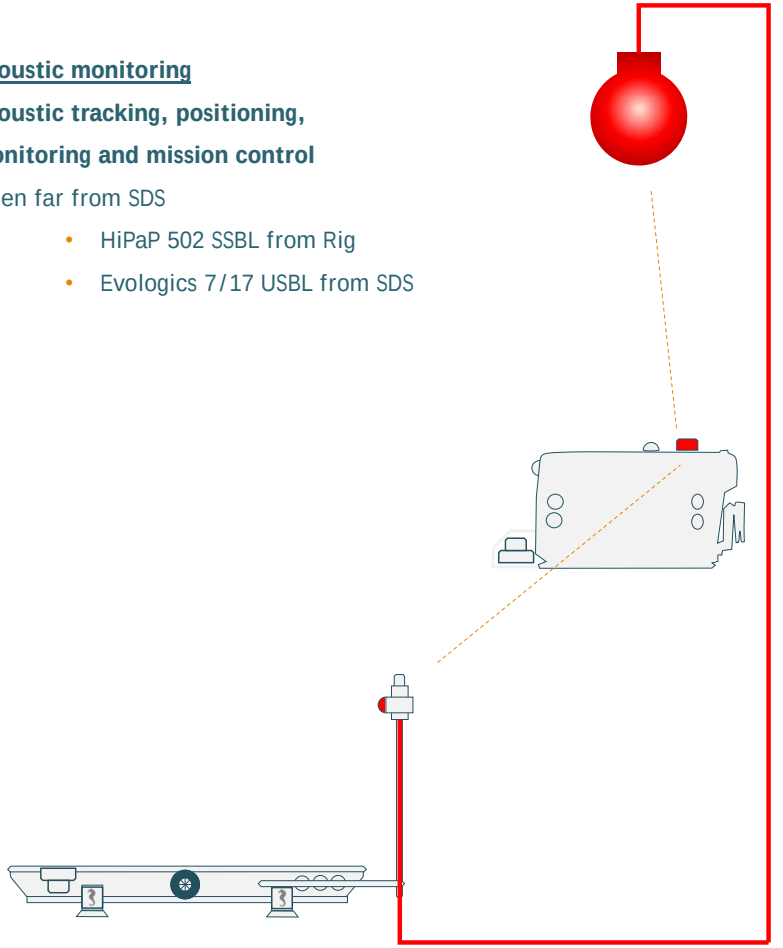
AUV and Supervised AUV

Acoustic monitoring

Acoustic tracking, positioning, monitoring and mission control

when far from SDS

- HiPaP 502 SSBL from Rig
- Evologics 7/17 USBL from SDS




5: Bottom HD A2554-1 (30)
SAIPEM
27.08.23
14:16:28
E
133
S
equinor
Hydrone
DPT
-40
-20
0.4
20
40
ALT
20
0
3.2
G. Massari
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Supporter 24
Njord A
UID Tether bouy