

# COSL

### Safety First

- "We want 100% compliance to 100% of our Policies & Procedures 100% of the time."
- Frank Tollefsen, CEO and President





### Quality, Health, Safety & Environment (QHSE) Policy

COSL Drilling Europe delivers world class low carbon offshore drilling services to our customers, by working in accordance with our core values; Honesty, Motivation and Cooperation.

Our main goal is to achieve:

### No damage to personnel, the environment and asset

All personnel are expected to be pro-active and use the RISK Card, meaning:

- Plan all activities to understand the task and hazards, identify requirements and manage risk
- Perform any activity in accordance with the plan, stop and perform a "time-out-forsafety" (TOFS) if there are changes, evaluate and gain control of the changes in risk before deciding whether it is safe to continue
- Complete the activities, evaluate the work performance and identify areas of improvement
- Register lessons learned to ensure continuous improvement and experience transfer

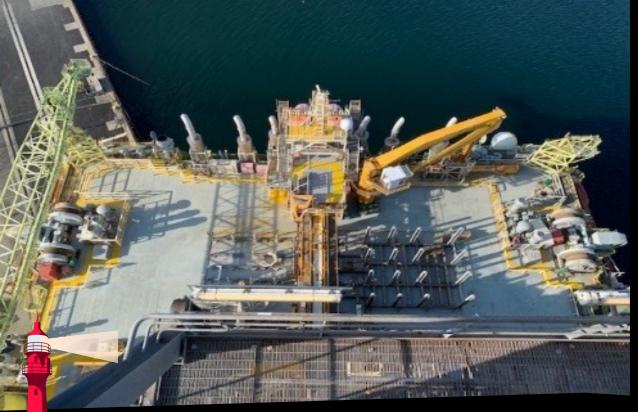
### We:

- Take the time necessary to plan and perform all work safely
- Have clear, visible and pro-active leadership through active engagement in planning and execution of all activities, with involvement of relevant stakeholders
- Expect everyone to exercise their Stop Work Authority and Duty and perform a TOFS to correct hazardous situations
- React to undesirable HSE trends and events
- Commit to reduction of our environmental impact through optimized usage of the COSL Energy Control System (ECS) and safeguarding the environment against pollution
- Further develop our employees' competence and facilitate active participation and consultation
- Ensure compliance with applicable regulations and requirements
- Comply with the company management system (CMS) requirements
- Cooperate with our clients, the authorities and other contractors to reduce risk and continuously improve QHSE performance
- Acknowledge that non-conformities and incidents may happen and commit ourselves to correct and avoid reoccurrence

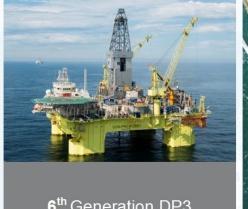
Frank Tollefsen

Sandnes 02.01.2023.

CEO / President, COSL Drilling Europe AS





















- COMPACT DESIGN, LOW CAPEX/OPEX
- 6. GEN. HARSH ENVIRONMENT
- DP3/POSMOOR-ATA
- HANDS-FREE/REMOTE OPERATIONS
- SMART DECK-LAYOUT, NO BLIND LIFTS
- LOW POB-
- SLOT REC / P&A / DRILLING / COMPLETION

- FUEL & OPERATIONS EFFICIENT
- CENTRAL COLLABORATION ROOM
- 103 / INFRASTRUCTURE, 100MB
- 3RD. PART UTILITY PLUG & PLAY
- INDOOR ROV HANGARS, MUD LAB ETC.
- LOWEST CARBON
- ADC, NOVOS



**INSTANT** - RIGS FOR THE FUTURE





**CDE - DIGITAL** 

- SAFE, MODERN AND ATTRACTIVE DRILLING CONTRACTOR LONG-TERM.
- WE ADAPT TO CLIENT NEEDS TO PROVIDE RIGS FOR THE FUTURE. WE ARE FIRST MOVERS:
  - 1. CENTRAL MAINTENANCE CENTER (CMC)
    - IMPROVE MAINTENANCE QUALITY AND PUT OUR EFFORTS ON MAINTENANCE WHICH ADDS VALUE, STRENGTHEN SAFETY AND RELIABILITY
  - 2. Drilling Performance Excellence
    - STANDARDIZED SAFE AND EFFICIENT OPERATIONS AND METHODOLOGY TO ENSURE SAME HIGH PERFORMANCE ON ALL UNITS
  - 3. ENERGY MANAGEMENT SYSTEM (EMS)
    - DELIVERING RECORD LOW-CARBON DRILLING OPERATIONS



# **EMS IMPLEMENTATION**



COSLINNOVATOR







COSLPROMOTER



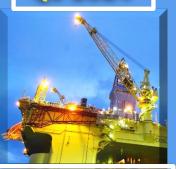
Q2 2022



COSLPIONEER



Q3 2024



COSLPROSPECTOR



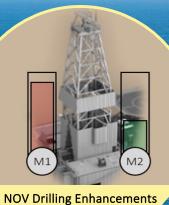




# COSL

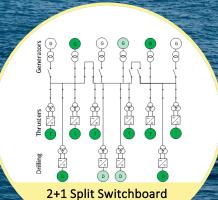
# KONGSBERG











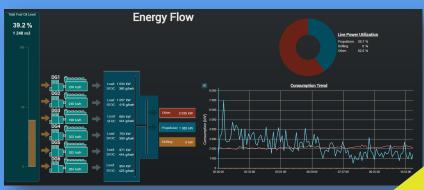




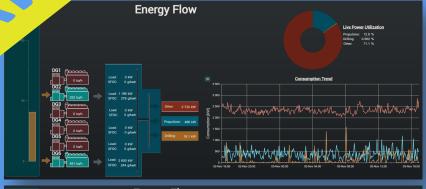
• IMPROVE ENERGY EFFICIENCY W/ LOWEST CO<sub>2</sub> EMISSIONS, SOLUTION = COSL ENERGY CONTROL SYSTEM

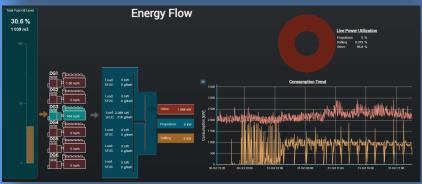




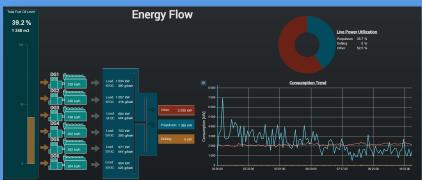




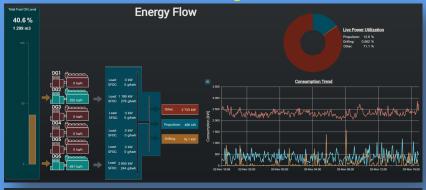


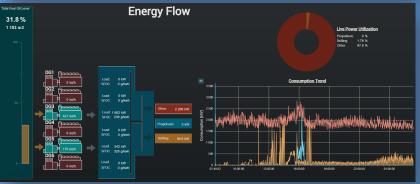


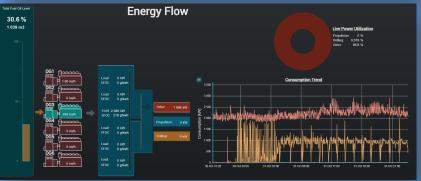
















### **Drilling on DP3 COSLPromoter**

Well for OKEA – D1 MDO Average 17,5 ton pr 24/h DP3

**Drilling on Posmoor COSLPioneer** 

Well for Ithaca Energy – Captain Average 11,2 ton pr 24/h Moored

Accumulated savings:

•NOx → 1.494 500 kg

•Co2 → 84.458 000 kg

•Fuel/Diesel → 26.643 000 kg / 30.097 000 liter

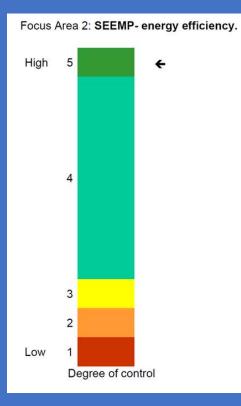
6 – 2 (1) Gen Sets

Contract, cost savings:

COSLPioneer: 27-13,5 t7d = USD \$ 8 million saved on fuel!







#### Positive Indications:

- Energy considerations when preparing mooring analysis, software updates to control systems onboard.
- Significant improvement in fuel consumption and significant improvement in emissions for the different offshore operations modes for all the rigs.
- Rigs prepared for electrical operation provided electrical infrastructure within 2025, making zero emission possible.





# WÄRTSILÄ



## **Benefits and Realization**

Internal annual maintenance hour reduction per rig /

### operational mode

Operation type	Yearly Reduction [h]	Yearly reduction[%]
DP3	1110	53 %
Posmoor	1550	70 %

Third Party annual maintenance reduction in USD per rig /

### operational mode

Operation type	Third Party Reduction [\$]	Yearly Reduction [%]
DP3	290000	45%
Posmoor	380000	64%







## Two COSL rigs awarded drilling contra

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Equinor senior vice president of drilling and well operations Erik Kirkemo Photo: EQUINOR

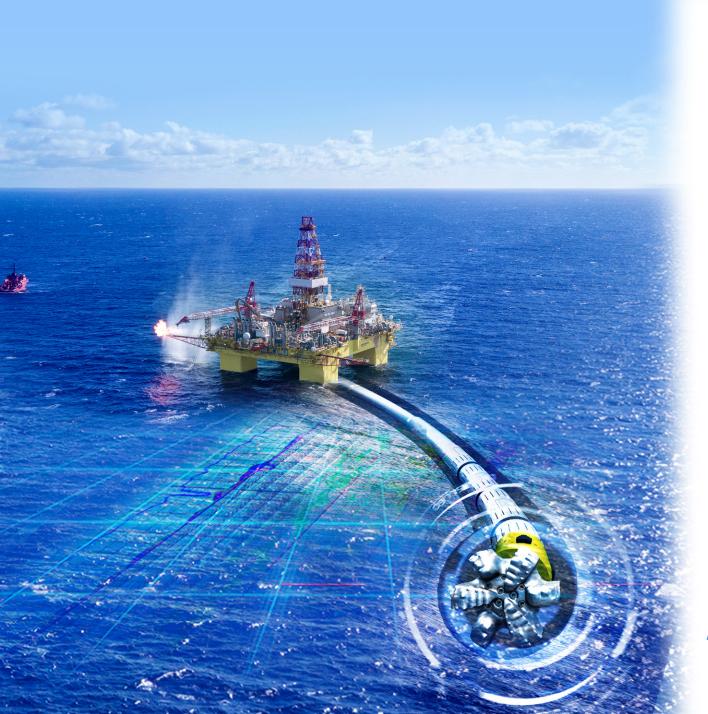
### Huge payday for COSL as Equinor and Vaar attend to Norway rig requirements

Equinor contracts two semi-submersible rigs COSLPromoter and COSLInnovator, Vaar takes up the COSLProspector

By Zsuzsanna Szabo 🗘 and Russell Searancke 🗘 in Oslo



Chinese offshore drilling contractor COSL Drilling Europe is celebrating long-term contracts for three of its deep-water drilling rigs for operations offshore Norway with Equinor and Vaar Energi.





# Way forward:

- **1 Central Maintenance Center**
- **2 Drilling Performance Excellence**
- **3 Energy Management System**
- **4 New Technologies**





5 Alliances/MFC









**ALL MUST BE VALUE-ADDED** 



# COSL











# - Thank you!

- SAFE
- EFFICIENT
- LOWEST CARBON

我们必须做得更好