

Odfjell Technology Projects & Engineering

## Odfjell Drilling and Odfjell Technology Group Structure



Established in 1973, Odfjell Drilling was the first Norwegian drilling contractor. Over the years, Odfjell Drilling evolved to include Well Services, Platform Drilling and Engineering in the group portfolio. In March 2022, Odfjell Drilling separated the mobile offshore drilling rig business from the other divisions and created a new company called Odfjell Technology.

Odfjell Drilling Listed on Oslo Stock Exchange

Mobile Offshore Drilling Units (MODU)

- Modern Fleet of 6<sup>th</sup>
   Generation Semi Submersible Drilling Rigs
- Turnkey Rig Management Services

Odfjell Technology
Listed on Oslo Stock Exchange

### Engineering

- Engineering solutions
- Energy solutions
- Integrity & inspection
- Project management
- HVAC-R departments
- Marine services
- Subsea services

### **Drilling Operations**

- Platform operations
- MOU management
- P&A operations
- Modular operations
- Construction & installation

### Well Services

- Tubular Running
- Casing Drilling
- Wellbore Cleanup
- Well Intervention
- Drilling Tools

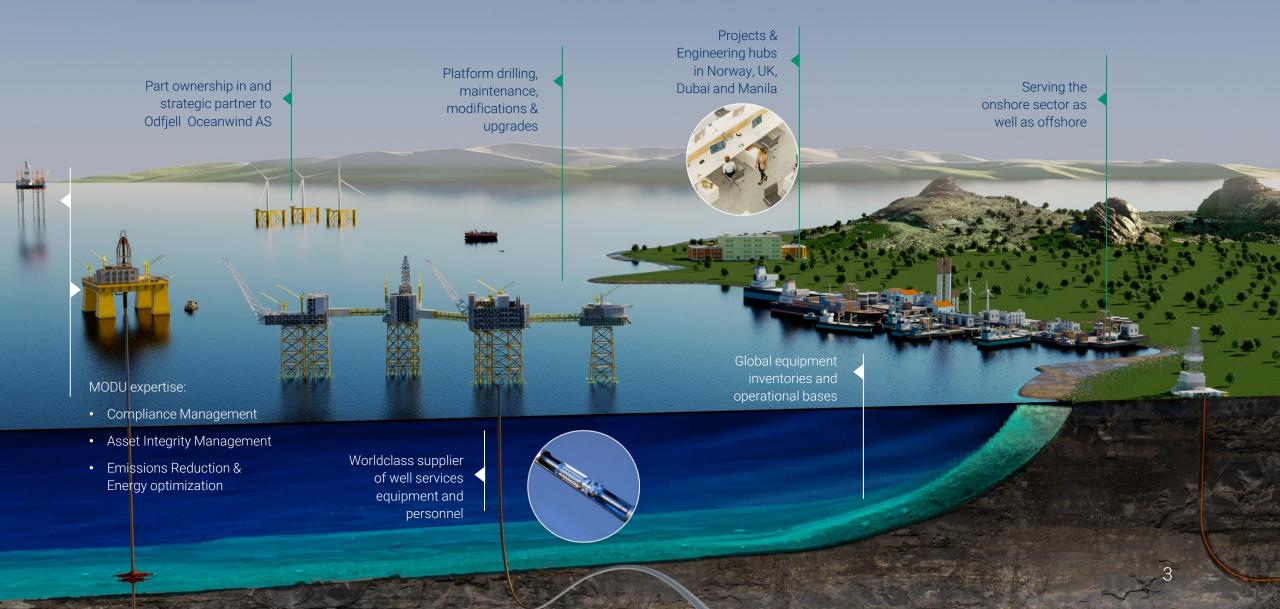
## Odfjell OceanWind Private Registered Company

Mobile Offshore Wind Units (MOWU)

Mobile Offshore Wind Units (floating wind turbines) for the supply of clean electricity to offshore drilling rigs and fixed platforms

## **Odfjell Technology At a Glance**







Operations



Projects & Engineering



Well Services



50+

Years Experience Operations and Services

30+

Countries

Operations and Services

2400

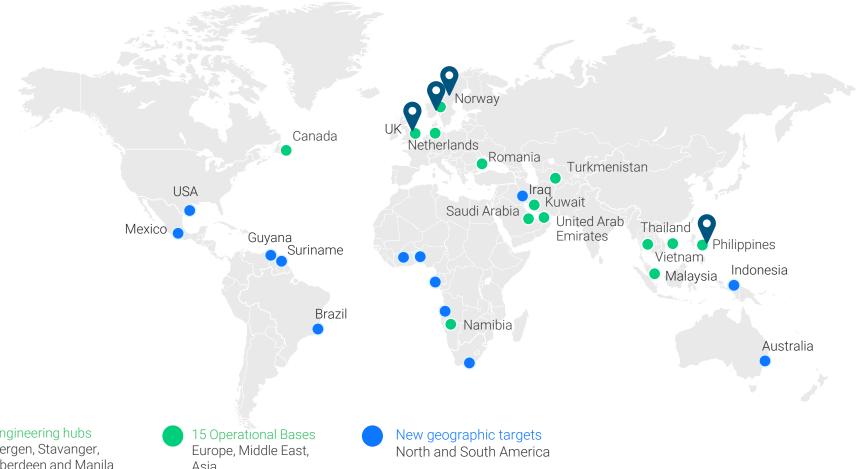
Employees

Total headcount

Platforms + 1 Jack-Up Drilling Operations on NCS/UKCS

Engineering hubs Bergen, Stavanger, Aberdeen and Manila

15 Operational Bases Europe, Middle East, Asia



## **Integrated Business Model**



OTL P&E Business Area is the **ENABLER** for the future within OTL organization Supporting all existing and future business and the OTL Energy Transition!



Odfjell Technology | Project & Engineering

**Specialist Competence** 

## **Competence & Portfolio**





- 46 UK personnel assigned to Front-end studies, EPCI projects, Inspection and Installation activities
- 200 Norwegian personnel assigned to Front-end studies, EPCI projects, Compliance & Integrity Management, Marine Services, Technical service, Inspections and HVAC
- 16 Supporting 16 fixed platforms contracted by our in-house drilling operator



We offer highly experienced engineering & procurement teams ensuring safe and costeffective planning, execution and commissioning of complex projects, yard stays and SPS.



Having unique operational legacy, we know how preventative maintenance and integrity management systems can be a low-cost insurance policy and a wise investment.



Combining five decades of industry experience with the technology of tomorrow, we develop solutions for the changing energy market and is the **ENABLER** for the future energy transition.

### Front -end Studies

- Feasibility studies
- Pre-FEED/FEED
- Energy Optimization and Emission Reduction (CEM Screening)

### EP(C)(I)(C)

- Temporary 3<sup>rd</sup> Equip.
- Modifications & Upgrades
- System Integration
- Installation

### Compliance Management

- Special Periodic
   Surveys/ Renewal
   Survey
- Safety case/
   Acknowledgement of Compliance
- Re-activation & Mobilization
- Winterization

## Technical Integrity Management

- Structural Integrity
   Management (SIM)
- Pressure system Integrity

  Management (PIM)
- Drilling system Integrity
   Management (DIM)
- Risk Base Inspection (RBI)
- Maintenance Management
- Integrity Advisory Services

### Marine Services

- Marine Analysis
- Naval Architecture
- Marine Operations

### **Technical Services**

- Operational/Technical
   Support
- Advisory Services
- Engineering Consultancy

## Inspection Services

- Non-Destructive Testing (NDT)
- Inspections of Pipework and Systems
- DROPS, API 4G and
- Bolts Inspection
- Hose Management and Inspection
- Rigging and lifting Services
- Maintenance support Services

### HVAC

- Service & Maintenance
- Air Condition & Refrigeration upgrade
- Dry-ice container rental

## Inspection Resources & Capabilities





14

UK personnel 100% assigned to Inspection projects

## Global Pool

Contracted Global personnel assigned to Inspection projects when required

16

Fixed platform contracts and ADHOC work are supported from our in-house inspection team



## Inspection Focus Group

Technical Integrity Management and Structural Integrity
Management of onshore and offshore steel structures. Our
experience database include data from more than 600
operational years of fixed and mobile units in a harsh
environment.



# Qualified Inspection Experts of All Categories

Complete capability of inspection and processes. The data collated is used assessment, for validation and improved prediction of failure potential and structural integrity. The improved predictions can lead to large cost savings.

Integrity Management	Special Surveys	Maintenance Systems	Compliance Assurance
<ul> <li>Structural Integrity</li> <li>Risk based inspections</li> <li>Defect evaluation</li> <li>Root cause analysis</li> </ul>	<ul> <li>SPS Inspection</li> <li>5 Yearly surveys</li> <li>Communication with class and authorities</li> <li>3<sup>rd</sup> Party vendor</li> </ul>	<ul><li>System architects</li><li>Digital engineers</li><li>Digital solutions architects and analysts</li></ul>	<ul> <li>Compliance services</li> <li>Survey and audits</li> <li>Safety case assessments</li> <li>Modification projects</li> <li>Certified lead assessors</li> </ul>
	relationshins		<u> </u>

# Odfjell Technology's unique competence and service portfolio



### **Project Services**

- Project Management
- Reactivation Management
- SPS/RS Services
- Construction Services
- System Integration
- EPCIC

### **Engineering Services**

- Concept
- Studies
- FEED
- Detail Design
- Reversed Engineering
- Greenfield / brownfield
- Technical Consultancy

### **Marine Technology**

- Concepts & Studies
- Analyses
  - Mooring & Risers
  - Stability, Seakeeping ++
- Operations & Procedures

### **Green Technology**

- Energy Management
- Power Optimisation / Efficiency
- Hybrid Solutions
- Shore / Grid Solutions
- Founding Solutions

### **Asset Integrity Services**

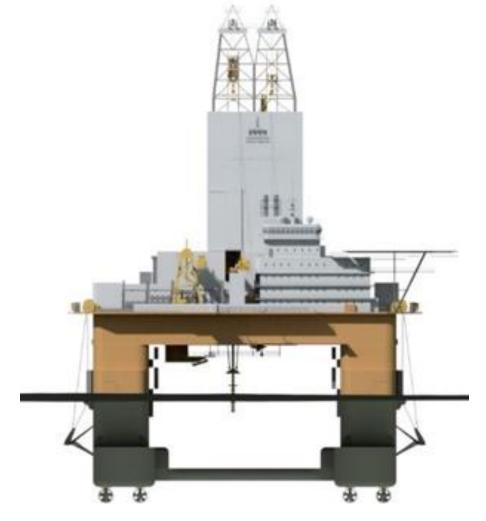
- Maintenance Management
- Technical Integrity Management
- Structural Integrity Management
- Risk Based Inspection Management
- Compliance Management
- New Tonnage Assessment

### **Inspection Services**

- Non-Destructive Testing
  - Lifting equipment
- Derrick inspections
- DROPS management
- Hose management
- Equipment and Asset Condition

### **Installation & Field Services**

- Installation Planning and -Management
- Field Installation Service all trades
- Rope Access Technicians all trades
- Complex Lifting/Installation
- Decommissioning



# ...enables fast track development of innovative solutions

### **Project Services**

- Project Management
- Reactivation Management
- SPS/RS Services
- Construction Services
- System Integration
- EPCIC

#### **Engineering Services**

- Concept
- Studies
- FEED
- Detail Design
- Reversed Engineering
- Greenfield / brownfield
- Technical Consultancy

### **Marine Technology**

- Concepts & Studies
- Analyses
  - Mooring & Risers
  - Stability, Seakeeping ++
- Operations & Procedures

### **Green Technology**

- Energy Management
- Power Optimisation / Efficiency
- Hybrid Solutions
- Shore / Grid Solutions
- Founding Solutions

### **Asset Integrity Services**

- Maintenance Management
- Technical Integrity Management
- Structural Integrity Management
- Risk Based Inspection Managemen
- Compliance Management
- New Tonnage Assessmen

### **Inspection Services**

- Non-Destructive Testing
  - Lifting equipment
- Derrick inspections
- DROPS management
- Hose management
- Equipment and Asset Condition

### **Installation & Field Services**

- Installation Planning and -Management
- Field Installation Service all trades
- Rope Access Technicians all trades
- Complex Lifting/Installation
- Decommissioning







## Our Vision

Using our heritage and expertise to support the energy transition



## Thank you for your attention!

Please contact
Scott Gauld – Business Development Manager UK
sgau@odfjelltechnology.com

Or visit www.odfjelltechnology.com