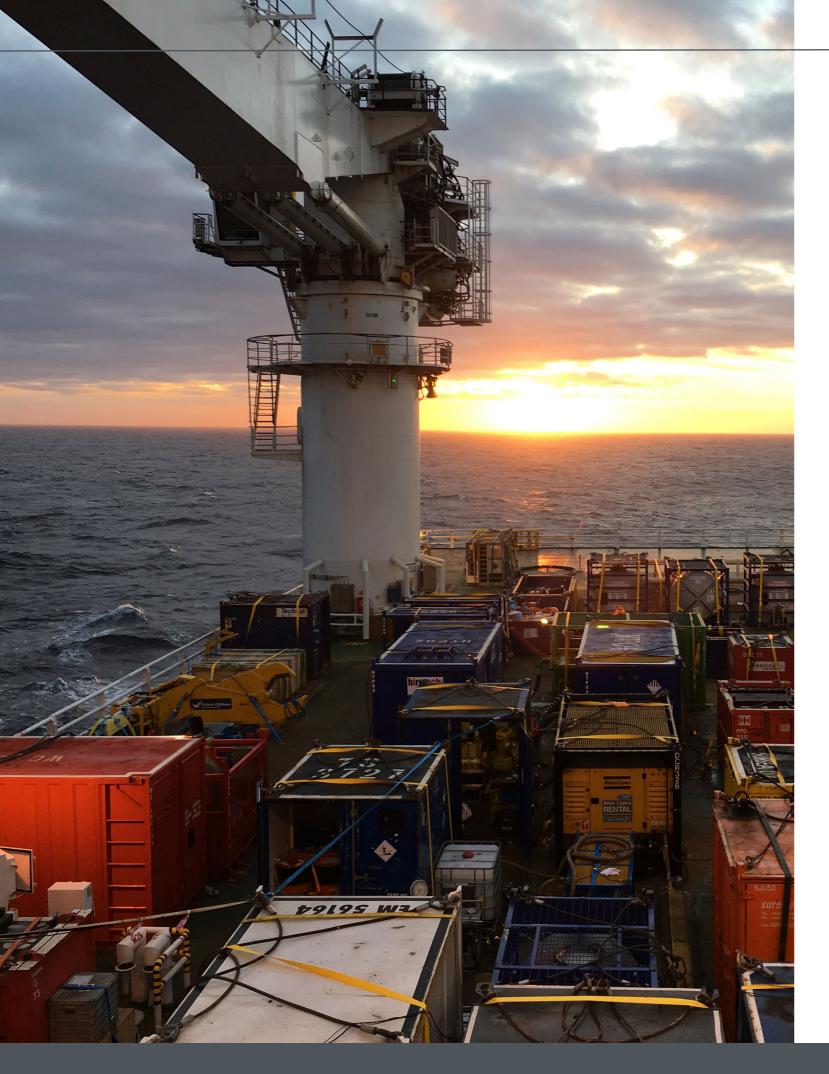


# **James Fisher Offshore**

Inspection, repair and maintenance





# Inspection, repair and maintenance (IRM) services

An expert in full back deck service provision, with dedicated project delivery teams who understand the accelerated demands of the IRM market.

With a deep understanding of marine, offshore and subsea operations in the oil and gas market, James Fisher Offshore (JFO) can deliver multi-vessel, multi-campaign scopes of work.

Combining experience and innovation, we deploy the right technologies to optimise project delivery.

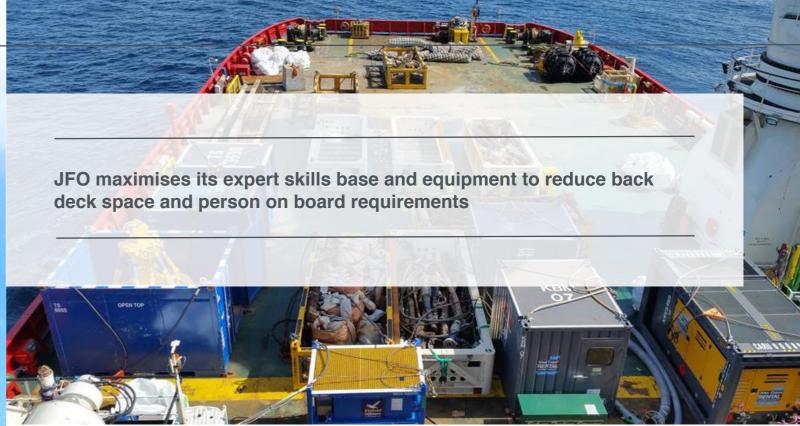
## **Global reach**

With dedicated local resources, JFO is strategically positioned to react quickly to fully support the rapid mobilisation of offshore projects.



**Reactive and fully engineered service and equipment provision to the IRM** sector:

- Diamond wire saws
- Bespoke flange and stud-cutting equipment
- Subsea baskets
- Hydraulic subsea grabs
- Controlled dredging
- Hydraulic shears
- Diver hand tools



Our expertise allows us to fully understand our customers' specific requirements, providing complete methodologies and cost-effective engineered solutions. JFO's experienced project and engineering teams also provide its customers with unrivalled technical support throughout a project's lifecycle.

JFO's team of dedicated multi-skilled offshore technicians, based in both the UK and Malaysia, provides local and international project support and can mobilise at short notice.

Our experienced technicians are mechanically/hydraulically trained and have rigger certification, adding value and flexibility to our customers, not only for the specific equipment element, but the complete scope of work.



Our experience and engagement instills confidence in our customers and reduces risk

Our engineering capabilities in designing tailored tooling packages, provide a technically and commercially attractive contribution to our customers' operational methodologies.

## Pipe in pipe cutting capability

JFO's subsea chop saw can achieve cut times varying from 5-19 minutes, depending on material size and specification.

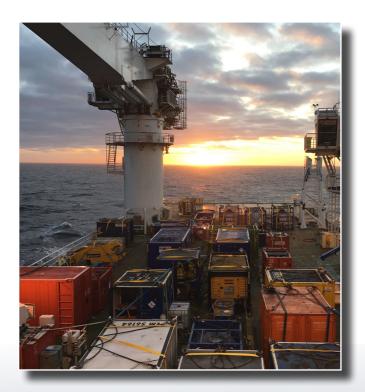
Benefits include:

- Trapped blades can be overcome by reversing the cutting head out of the cut line
- The saw can be powered from surface or hotstabs which can be supplied to allow ROV control
- Multiple cuts can be performed in a single dive
- Blades can be re-sharpened offering a considerable cost saving to the customer
- Saw is fitted with an ROV grab bar to aid placement
- Clamp function provides stability during cut



# **Proven track record**

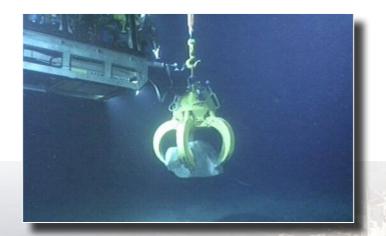
JFO has a proven track record in the reliable and timely execution of survey, cutting, recovery and removal campaigns



#### **Repsol IRM, UKCS**

- Equipment spreads for three vessels over 225 operational days
- Diver tooling
- 1T telescopic crane
- Grit cleaning system
- HP waterjet cleaning system
- Diamond wire saw
- 800T hydraulic shear
- Mass flow excavation spread
- Deck winches







#### **Baobab**, Ivory Coast

- Flexible product recovery
- 1950T hydraulic shear fitted with two port hot stab

# **BP**, **Trinidad** and **Tobago**

- Removal of 2" concrete coating from 12" pipeline
- Contingency cutting of 20" diameter caisson with 3/8" wall thickness

# Lancaster EPS, UKCS

- Over 7,000 boulders cleared
- 15T and 10T Orange Peel grab
- 1.6T Clamshell grab
- Hydraulic hot stab system



# Taqa Harding, UKCS

- PLEM pipework removal, skid installation and spool installation
- Diamond wire saw spreads
- HP jetting spread
- Diver dredge spreads



# HESS South Arne, UKCS

- 15T Boulder grab and coral
- Hydraulic power packs
- Cutting equipment (peanut and GR29 grinders)
- Grit blast spread







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