i-Tech Services

FEATURED PRODUCT

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PIPELINE DRILL AND PIN RECOVERY TOOL

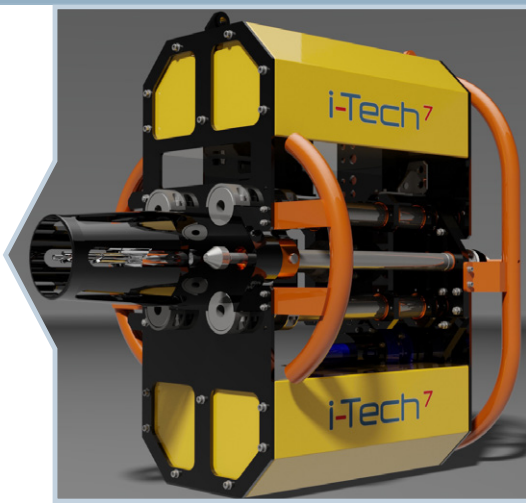
Suitable for projects that involve pipeline recovery, decommissioning or field configuration. The drill and pin recovery tool, which is ROV or diver deployable, enables a safe and secure load bearing connection to a subsea pipeline that requires lifting. By inserting a load bearing pin through the pipeline the lifting system is directly connected to the load, reducing operational risks and avoiding complex mitigations.

Read about how we do it, *overleaf.*

About i-Tech Services

We're a global provider of integrated engineering services and products throughout the oil and gas field life cycle. We focus on what matters most to you: reducing complexity, improving performance and lowering costs. We're all about using innovation and technology to unlock value.

PIPELINE DRILL AND PIN RECOVERY TOOL



High performance pipelines are becoming more common in the subsea industry, with thick thermally insulating external coatings and internal liners of various materials. Standard pipeline recovery tools, which engage the pipeline either externally or internally, are not suitable in this situation. A drill and pin recovery tool offers a guaranteed connection to the strongest part of the pipeline. The drill and pin recovery principle can also be applied to decommission and recover caissons.

The Pipeline Recovery tool (PRT) is a suite of WROV operated tooling which can drill and pin a lifting point on to the end of a pipeline or pipe.

The Pipeline Recovery Tool consists of the following:

- Lift point
- Drill unit
- Pin insertion tool complete with pin.

The lift point is initially mechanically clamped to the pipe or pipeline by the WROV forming the interface to which the drill unit and pin insertion tool connect. The lift point provides alignment and a rigid base allowing for a precise cut to be performed.

The drill unit is a hydraulically operated tool and is compatible with standard WROV systems. Installation of the tool on to the WROV has been considered during the design phase. The drill unit is mobilised offshore with optimal cutting speed and feed rates already set, reducing complexity for the offshore team.

The drill unit is flown to place by the WROV and is operated via a single quad port hydraulic hot stab. The hot stab can be connected and disconnected subsea at any time. Hydraulic functions have been kept to a minimum with the interface between the drill and lift point being 100% mechanical.

The pin is flown to place by WROV, inserted and locked in place. This concept is based around keeping the drilling and pinning operations separate to minimise complexity and maximise operational flexibility.

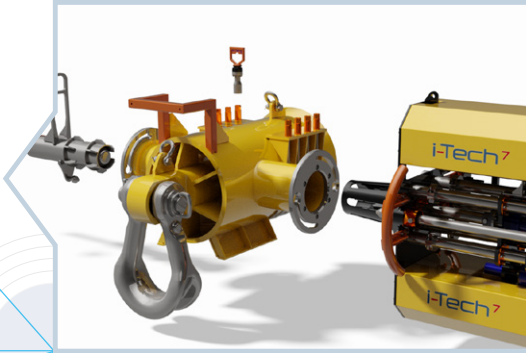
Typical project example - 14" pipeline PRT:

- Diameter of cut hole: 150mm
- Cut depth: 150mm
- Diameter pin: 145mm.

Features of the Pipeline Recovery Tool:

- Can cut through a number of different material layers in a single cut
- Fail safe mechanical interface between drill unit and drill interface
- Coupon management systems available.

- Reduced risk
- Safe working load up to 150 tonnes
- ROV or diver deployed
- Delivered to customer specified requirements
- Easy integration with ROV or diver support systems
- Enables a responsive and planned approach to wet buckle contingency activities during product installation
- Reduces schedule risk and vessel time related to contingency operations
- Enables reduced risk lifting of lined pipe



Want to know more about our pipeline drill and pin recovery tool?
Contact: itechservices.clientenquiry@subsea7.com

www.i-tech7.com
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