CASE STUDY

Subsea 7
Apache SSIV Tie-In Project - Bespoke Flange Stud Cutting

Forties Pipeline UKCS

Rockwater 1 & Seven Pelican

IRM/Intervention

Scope of Works

Fisher Offshore were asked by Subsea 7 to design and provide a means to cut the flange studs on a subsea pipeline should conventional methods fail. The flanges (three off to separate on the seabed) were constructed circa 1980 so were deemed potentially difficult to remove.

Subsea 7 tasked us with engineering a solution to enable both speedy and safe works execution. The requirement was to cut up to twenty 3.5" Ø studs on each 36" 900lb flange.

Scope of Supply

Fisher Offshore were tasked with supplying the following to form part of a contingency cutting spread:

- Four circular saws with bespoke fabricated frames.
- Equipment to be automatic as much as possible to ensure diver safety.
- Extensive testing in-house of equipment using Fisher Offshore technicians.
- Hyperbaric centre used to provide realistic creation of subsea environment with divers carrying out work.
- Final design and saw blade combination gives a cutting time of around three minutes with five minutes preparation time to fit saw jig to flange assembly.

For more information on how Fisher Offshore can add value to your offshore operations visit www.fisheroffshore.com
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