

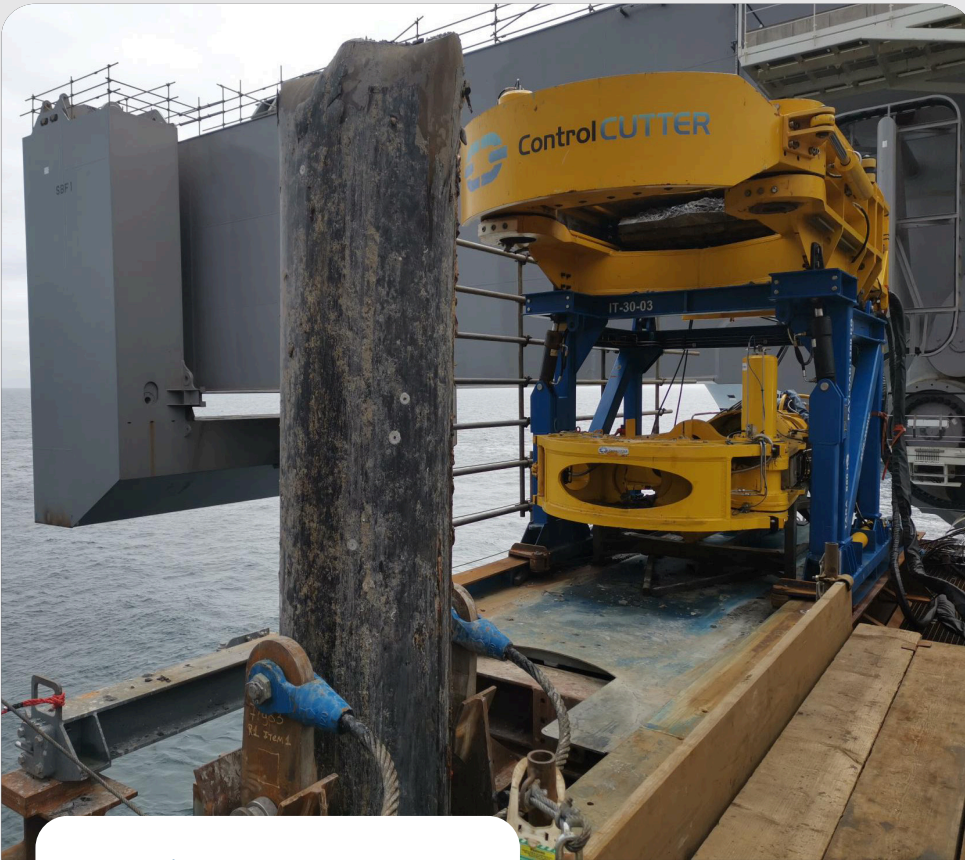
Case Study

Conductor Recovery on a Heavy Lift Vessel

Allseas



ControlCUTTER



Overview

CLIENT/ Vessel:
Allseas / Pioneering Spirit
Project:
Gyda Conductor Removal
CONDUCTORS:
27" x 18 5/8" x 13 3/8"
Fully cemented

Overview

First of its kind Conductor Recovery on Heavy Lift Vessel Pioneering Spirit

Successfully completed the 32 well Gyda Conductor Recovery executed with Allseas vessel Pioneering Spirit.

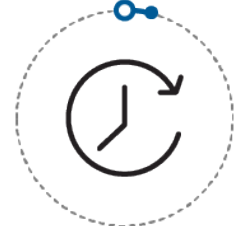
Striving to deliver the end client with an efficient and safe operation, the Control Cutter and Allseas engineering team worked closely to ensure all elements of the operation were assessed and executed to the highest standard.

The result was a purpose built frame to interface with Pioneering Spirit to handle the long conductor strings while allowing a safe and remotely operated execution of the conductor sectioning.

The wells were recovered in only 5 operational days, where a total of **29** cuts and **35** pins were done. Average cutting and pinning time was below 5 minutes.

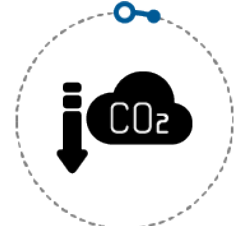
Key benefits compared to conventional operation

CC: 3,0 hours
Conv.: 76,6 hours



73,6 hours
time saved

CC: 5,6 tons
Conv.: 143,6 tons



96,1%
CO2 emissions reduced

CC: 4
Conv.: 132



128
red-zone handlings avoided

Case Study

Project in details



Background

The Gyda field is located in the North Sea, on the southern part of Norwegian sector. The Gyda field started production in 1990 and ended in 2020. An unconventional approach to Decommissioning was developed to leave the multi-string conductors for the Heavy Lift Vessel instead of conventional pulling with Drilling unit or Hydraulic Workover Unit. Once Phase 2 P&A was completed, Allseas lifted off the Gyda topside utilizing Pioneering Spirit and shipped to shore. With only the Gyda Jacket and conductors remaining a temporary deck was placed to enable drilling and pinning for lifting of entire 82m conductor strings.



Operation

The Gyda conductor recovery was the first time the Conductor Decom Package was utilized on a heavy lift vessel. Pioneering Spirit's 5,000mT crane lifted the full 82m multi-string conductor out of Gyda Jacket and lowered onto a custom built frame on the rear of the vessel. Once properly position the DecomDart was engaged to perform a pin to be used for securing and lift the lower conductor section. With the conductor secured, the DecomCutter completed a cut and top conductor section layed down on the Pioneering Spirit deck.

In total the Conductor Decom Package completed 25 cuts and pins on 27" x 13 3/8", 5 cuts and pins on 27" x 18 5/8" x 13 3/8", 1 cut and pin on 27" x 13 3/8" x 9 5/8", and 1 cut and pin on 20" x 13 3/8" x 9 5/8".

All cuts and pins were completed in less than 6 minutes with zero NPT, Environmental spill or incident involving personnel!



Conclusion

Once again the Conductor Decom Package™ proves how efficient and costsaving conductor recovery can be. We are thankful for the opportunity working together with Allseas on this project.



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