



CASE STUDY

CWind completes vital power cable repairs to reconnect over 2,000 Scilly Islanders

CWind, part of the Global Marine Group, was contracted by Western Power Distribution, to complete the vital power cable repair connecting the Isles of Scilly to mainland electricity.

The power cable was damaged by a ship's anchor, a common occurrence with telecommunications and power cables, particularly within busy shipping lanes. The C.S. Sovereign, along with her crew of experienced cable engineers and specialist cable equipment and machinery, was contracted for the repair and rapidly mobilised.

Using Remotely Operated Vehicles (ROVs) deployed from the back deck of the C.S. Sovereign, the vessel and technical team onboard surveyed the cable on the sea bed, located the fault and recovered the cable ends before successfully completing the joint.

THE CHALLENGE

The project was challenged by inclement weather, strong currents and restricted tide times but working together with the customer, Western Power Distribution, the repair was successfully completed within a month, without causing further disruption to the customers on the Islands.

The cable was significantly damaged and there were several technical issues to overcome, but together the CWind and Global Marine Group team of experienced engineers were able to create an innovative solution. Not only was the damaged cable repaired effectively, but the new solution also created a shorter, more direct route between the connection points, when the cable was re-laid on the sea bed at a depth of 70 metres.

Following the completed repair, the C.S. Sovereign returned to the site to complete further surveys and protection works on the repaired and re-laid cable defending as much as possible against further faults in future.



VESSEL: C.S. SOVEREIGN

Location: Isles of Scilly,
Atlantic Ocean

Activity: Power cable repair

Year: 2017

CW050v1