

## CoreTEST Marine

### Continuous Monitoring

Monitoring from the centre of the cable carousel allows CoreTEST Marine to continuously test a cable as it is being installed. Problems can be identified before the cable is cut saving time and money.

### Total Traceability

The GPS location of the cable laying vessel is recorded with each test result allowing the location of any problems to be accurately identified. The GPS route of the cable is automatically created as the cable is installed.

### Fewer engineers on ship

By automating the cable testing process the number of engineers based on the cable laying ship can be reduced. Full remote control of the test equipment is possible where internet access is available.

### AIS Marine Traffic

Integration with the AIS Marine Traffic database allows the location of all vessels in the area to be recorded as the cable is installed.



CoreTest Marine proactively monitors off-shore array and export cables as they are being installed or repaired. Quality problems are identified in real time. A fully graphical display on the bridge continuously shows the quality of the cable as it is being installed. Audio alarms are triggered if cable handling limits are exceeded to immediately warn of problems with the cable integrity.



### Traditional cable testing

Once a power cable is installed on the sea bed it is cut to length and then optically tested for insurance purposes. This manual test can take place only after the cable has been cut. Engineers are based on the vessel 24x7 to test each section of cable as it is cut from the drum. Following testing the cable is directly installed or wet-stored for later installation.

### Continuous testing

CoreTEST Marine is different. It is fixed to the centre of the cable carousel allowing it to continuously monitor the cable as it is being installed. Any issues are visible immediately without having to wait until the cable is cut. A final test is performed prior to the cable being cut to length. These tests verify the cable has not been damaged during handling, shipping or installation.

### All 288 Cores Tested

CoreTEST Marine tests cables with up to 288 fibre cores although larger units are available on request. All cores in a cable are tested in turn or specific individual cores can be selected for intensive testing.

### SCPI Connect

CoreTEST Marine can connect to external monitoring equipment using the SCPI control protocol. This allows additional tests (for example electrical resistance) to be performed and included with the fibre test result.

### Saving time and money

Thanks to the continuous test method cable problems are identified sooner than with traditional cut and test methods. By automating the testing process offshore manpower is reduced along with the accommodation and logistic costs associated with offshore work.