

Subsea Electrical Test System - SETS™

The IMES Subsea Electrical Test System provides localised deepwater testing of subsea power and control umbilicals during installation and pre-commissioning.

The ROV-deployed equipment tests for Insulation Resistance and Continuity Resistance in depths of up to 3,000m, and has been used continually around the world.

Unlike traditional test methods, SETS™ allows elements of the subsea architecture to be isolated and tested individually. Faults are located rapidly, and an array of tests can be completed and documented in real-time.



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in imes-group

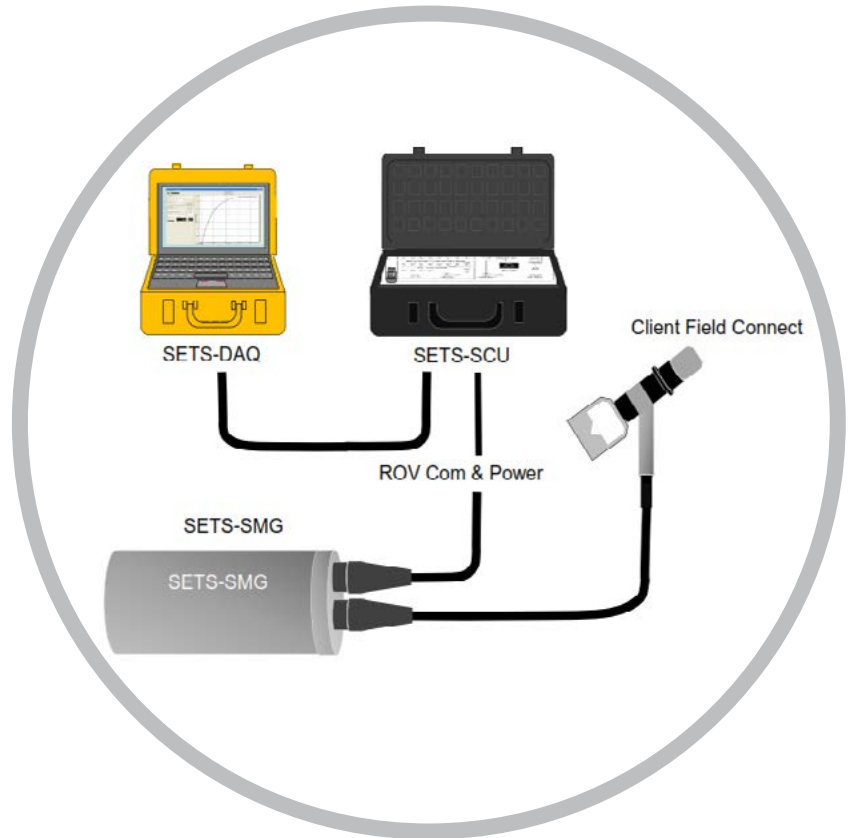
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How it works.

SETS™ consists of three hardware components:

- SETS-SMG subsea electrical testing pod. This is mounted on and plugged in via an ROV.
- SETS-SCU surface control unit.
- SETS-DAQ live data acquisition. This trends and logs data via the IMES SETS-View software.



Typical use.

- Fault finding on ageing fields
- Gradual decay assessments
- Post lay testing
- Pre-commissioning testing
- Field extension verification

The specifics.

- 3,000msw rated
- 100v – 5kV full testing
- TDR testing
- ODTR in late stage development

SETS™ has been used by.

- Aker Solutions
- Subsea7
- DOF
- Noble Energy
- Technip
- BP
- Shell
- Petrobras
- Total E&P

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