

## TRITON™

SUBSEA WIRELESS PATHWAY

Metrol's TRITON is a suite of ROV deployable subsea telemetry equipment enabling surface to downhole communication with an extensive range of wireless sensors, actuators and valves. The telemetry and sensors provide valuable surface read out during all stages of well development from drilling to abandonment.

### DESCRIPTION

The equipment is ROV deployable, modular and interfaces with existing subsea equipment, such as BOPs, well heads, or subsea trees without any need for costly redesign and manufacture.

The wireless communication is an e-line intervention replacement on subsea wells for many operations. It allows downhole data to be collected or valves to be actuated offline, saving vessel costs and rig time.

Metrol have a vast range of downhole products and the TRITON system enables wireless data retrieval or valve actuation without the need to retrieve subsea architecture.

Applications such as:

- > Drilling data acquisition
- > Wireless string depth correlation DEPTH-LOC
- > Well testing
- > Completion
- > Well Suspension (TA)
- > Abandonment (P & A)
- > Well Intervention
- > Work-over
- > Subsea Tree Repair and change out
- > Barrier verification
- > Barrier monitoring
- > Well phase transition

### BENEFITS

#### SAFER WELL OPERATIONS

- > Retrofit capability
- > Removes requirement for e-line intervention on subsea wells
- > No need for penetrations through subsea architecture or hangers
- > Critical pressure read out, e.g. Annulus Pressure Build-up monitoring

#### COST EFFECTIVE

- > Can be run offline
- > Can be run from a support vessel
- > Fewer personnel required offshore
- > Multiple wells can be monitored simultaneously
- > Reduces subsea interface work

### FEATURES

- > Up to 10,000m range
- > API standard ROV interfaces
- > Automatic data retrieval, stored at the sea bed in addition to downhole gauge memory storage
- > Autonomous devices with multiple redundancy at the sea bed
- > Simple interfacing, no requirement to change existing subsea equipment design
- > Remotely programmable and downloadable
- > Downhole tool diagnostics stored at sea bed
- > Extensive run history (over 6 years & 100 runs)

### SPECIFICATIONS

- > **Pressure:** 5,000 psi
- > **Temperature Range:** - 40° to 55°C
- > **Standard Battery Pack:** up to 6 years
- > **Extended Battery Pack:** up to 10 Years
- > **Depth:** up to 10,000 ft

