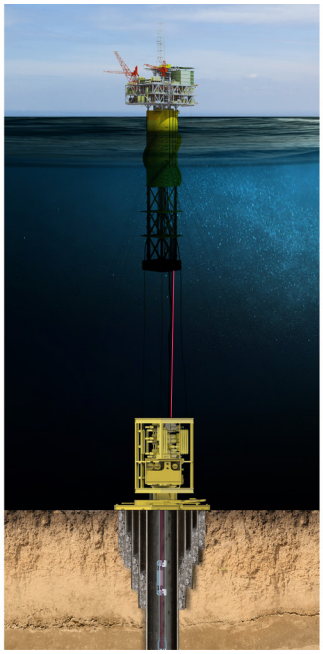
METROL®
APPLIED INTELLIGENCE

MATRIX™

ROXAR METROL WIRELESS INTERFACE



MATRIX™ enables a permanent gauge to be connected to Metrol's wireless telemetry tools, allowing wireless communication from upper to lower completion without the need for penetrators or feedthroughs.

DESCRIPTION

MATRIX™ is an interface that combines the intelligence and reliability of two down hole data acquisition specialists.

The upper completion component is supplied by Emerson, the provider of the Roxar cabled permanent downhole gauges.

The lower completion component of MATRIX™ is supplied by Metrol, leaders in downhole wireless telemetry, measuring and controlling flow directly at the sandface.

Understanding and managing multi-zonal contribution is possible using Metrol's suite of tools without the need for packer penetrations or inductive couplers.

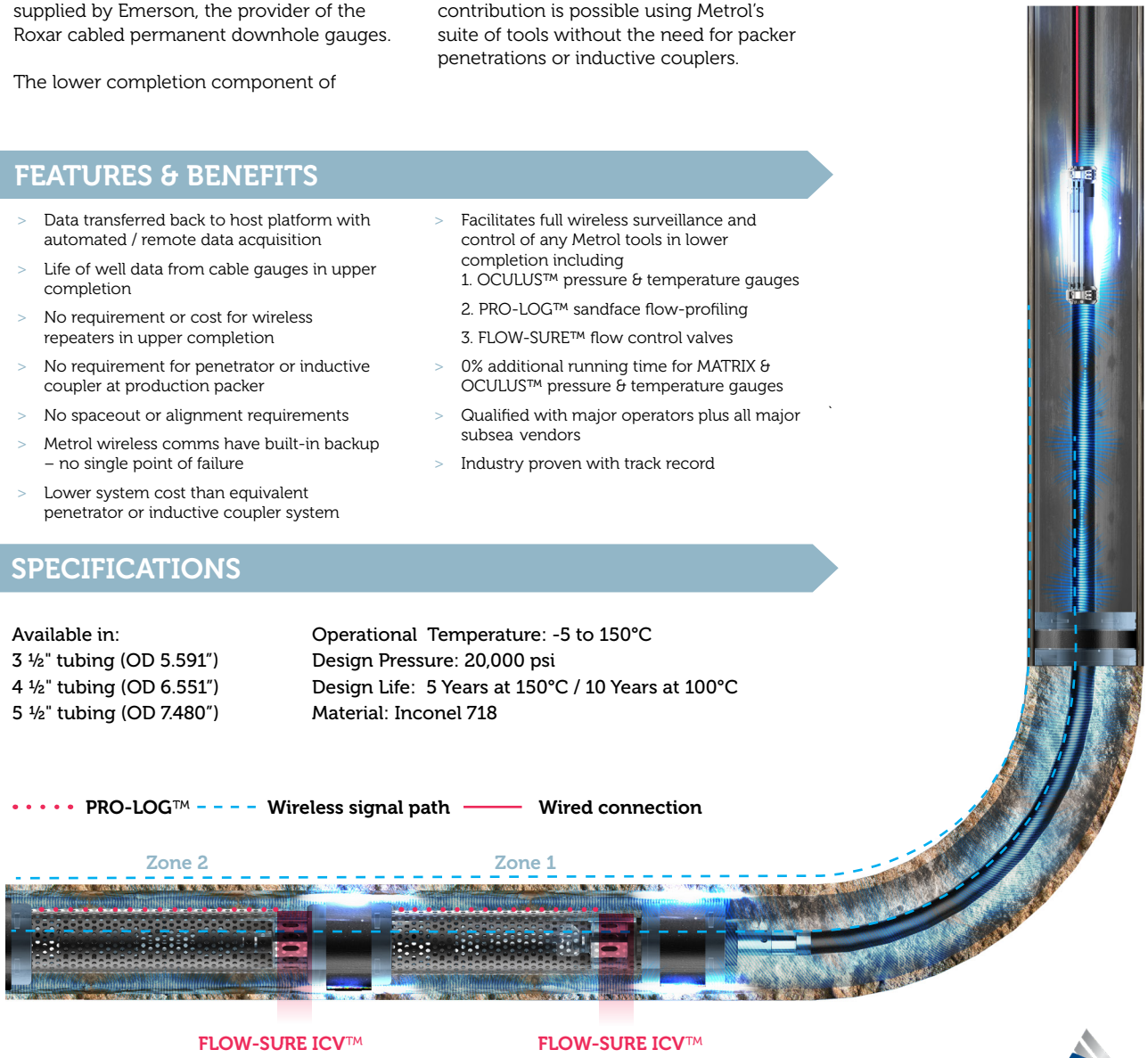
FEATURES & BENEFITS

- Data transferred back to host platform with automated / remote data acquisition
- Life of well data from cable gauges in upper completion
- No requirement or cost for wireless repeaters in upper completion
- No requirement for penetrator or inductive coupler at production packer
- No spaceout or alignment requirements
- Metrol wireless comms have built-in backup – no single point of failure
- Lower system cost than equivalent penetrator or inductive coupler system
- Facilitates full wireless surveillance and control of any Metrol tools in lower completion including
  1. OCULUS™ pressure & temperature gauges
  2. PRO-LOG™ sandface flow-profiling
  3. FLOW-SURE™ flow control valves
- 0% additional running time for MATRIX & OCULUS™ pressure & temperature gauges
- Qualified with major operators plus all major subsea vendors
- Industry proven with track record

SPECIFICATIONS

Available in:
3 ½" tubing (OD 5.591")
4 ½" tubing (OD 6.551")
5 ½" tubing (OD 7.480")

Operational Temperature: -5 to 150°C
Design Pressure: 20,000 psi
Design Life: 5 Years at 150°C / 10 Years at 100°C
Material: Inconel 718



EMERSON™
Supplier of the permanent downhole monitoring system

CERTIFIED ISO 9001 UKAS MANAGEMENT SYSTEMS 0001

Specifications subject to change without notice.
Multi year options, design life available on request.

Discover more at www.metrol.co.uk and www.emerson.com