

## SENTINEL-AM,

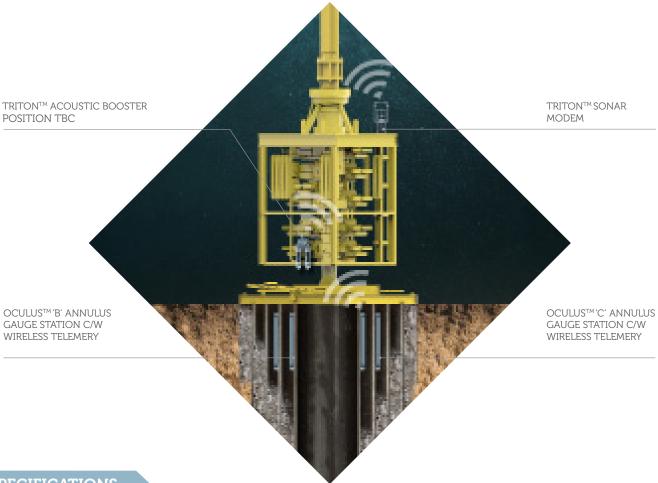
WIRELESS ANNULUS MONITORING FROM METROL

The ability to access annulus pressure and temperature in a subsea environment is made possible using Metrol's wireless telemetry and the SENTINEL-AM™ system

## **DESCRIPTION**

Multiple pressure sensors can be positioned in the 'B' annulus and the data accessed wirelessly. This allows a pressure and temperature gradient to be collected if oculus gauges are set at different depths in the same annulus.  $OCULUS^{TM}$  gauges can also be set in the 'C' annulus and data collected from both annuli.

Apart from understanding thermally induced pressure increase, the data will also provide evidence of cement barrier integrity. Metrol can also deploy PROLOG  $^{\text{TM}}$  in the annulus for additional temperature validation of barrier integrity.



## **SPECIFICATIONS**

MWP 10,000 psi, 16,000 psi or 20,000 psi MTQ Temperature range: -20 to 150°C MTX Temperature range: -20 to 160°C Memory capacity: 210k, 1,640k, 1.8 or 3.2 million data sets Accuracy:  $\pm$  0.025% of full scale ( $\pm$  2.5psi on10,000 psi gauge),  $\pm$ 1°C Resolution: pressure 0.00025% of reading +0.01psi (eg 0.02 psi @ 4,000 psi) – temperature : 0.05°C

\*NO RESTRICTION TO WATER DEPTH

