



# DataSphere® Permanent Monitoring Suite

## ENCOMPASSING THE LATEST IN DOWNHOLE PRESSURE, TEMPERATURE, FLOW, AND DENSITY-SENSING TECHNOLOGY

Designed for versatility and modularity, providing customized permanent monitoring solutions with superior performance and enhanced reservoir monitoring capabilities

**Array** system provides distributed pressure and temperature sensing in single- and multi-zone land and subsea applications. Using field-proven resonating quartz crystal sensors to provide accurate, high-resolution monitoring, the array system helps operators optimize production and reduce costs.

**Opsis®** permanent downhole gauges (PDGs) help increase productivity through the life of the well or reservoir by providing reliable, real-time permanent data about downhole conditions. Based on an industry-standard, field-proven resonating quartz crystal sensor, Opsis gauges can be used for single or multi-zone monitoring applications.

Halliburton has installed nearly 5000 gauges with quartz technology, of these 4200 hybrid electronics, 300 ASIC based Opsis® and 400 ASIC based array.