



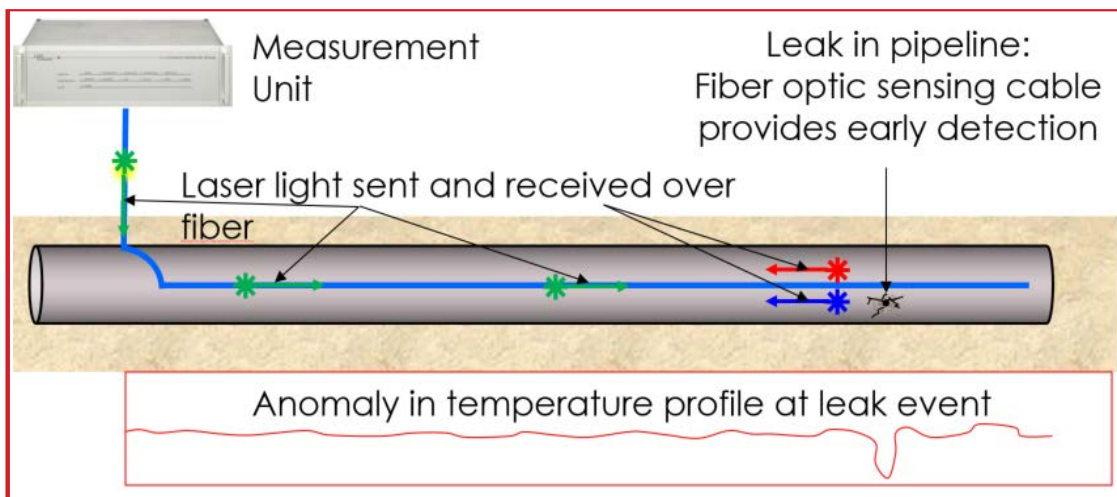
Leak Detection - Distributed Sensing Systems (DxS)

Temperature (DTS) • Acoustic - Sound (DAS) • Strain Measurement (DSM)

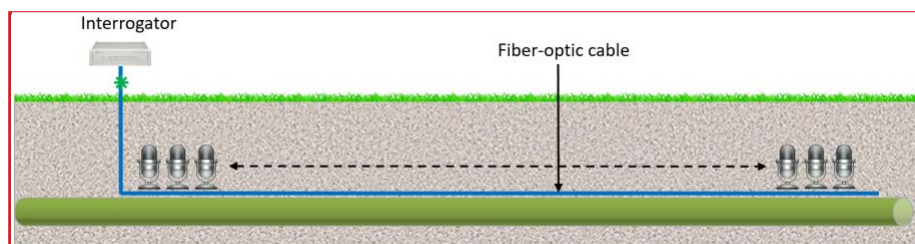
Distributed Sensing (DxS) Systems can measure parameters that include temperature, acoustic and strain.

All DxS systems have an opto-electronic interrogator (unit) and an optical cable containing the specific characteristic of optical fiber that is compatible with the unit.

The **DTS** system measures and monitors the conditions along a pipeline that can immediately detect a fluctuation in the temperature.



The **DAS** system acts like a series of microphones distributed along the pipeline that measures acoustic activity and sends out an alert based on pre-determined thresholds.



The **DSM** system monitors movement on the pipeline and underground.

