

Subsurface Engineering

Fiber That Listens for Clarity Below:
Insight which leads to Confidence

TURNKEY OPTIONS
CONSISTING OF:

- PLANNING, DESIGN
- INSTALLATION
- CALIBRATION
- COMMISSIONING
- DATA HANDLING

Optical Fiber Measurement Systems

- Assistance in designing optical fiber measurement and data acquisition systems tailored to your needs.
- Selection of suitable optical sensing technologies for temperature, strain, P/T and acoustic measurements. (DTS, DAS, DSS, EIFPI/ FBG).
- Expertise in specifying and overseeing the installation of downhole fiber optic systems.
- Independent validation of DFOS installations and performance
- Provision of unique solutions to meet your unique requirements

Data Acquisition & Processing

- Independent guidance in selecting the best acquisition systems for your needs
- Custom configuration of surface acquisition systems from leading vendors.
- Advanced signal processing to extract and enhance subsurface information from complex fiber optic data streams.
- Efficient data management solutions to ensure data integrity and usability.
- Able to provide interpretation of optical data for identification of downhole events such as leaks, operation of gas lift, hydraulic fracturing, microseismic, and more ...

Design, Installation and Calibration

- Assistance from pilot to large scale installations.
- Expertise in integrating fiber optic systems with your wellbore architecture
- Calibration and validation of DOS performance.
- Turnkey solutions ensure successful deployment of DFOS systems, from design to fully operational status.
- Critical integration of systems to ensure optimal performance

Why Wells & Waves?

- Proven field expertise of over 25 years
- Independent and client focused, identifying needs
- Intent on delivering and exceeding clients expectations
- Determined to fill identified gaps in data for better subsurface intelligence