

Hydrology and Environmental Subsurface Monitoring

Finally, a reliable and cost effective solution for hydrology and environmental monitoring projects for energy and coal mining companies exists.

GEO PSI has been successfully manufacturing & installing subsurface sensors in off-shore and land oil or gas production wells for years. We've taken our mechanical and electrical engineering know-how and adapted it to a cost effective platform for low pressure hydrology and environmental subsurface monitoring projects.

Subsurface Instrumentation For Measuring:

PRESSURE TEMPERATURE, CONDUCTIVITY, VIBRATION and more.

SOLUTIONS

- Aquifer monitoring.
- De-watering projects with pump optimization requirements.
- Injection monitoring.
- Observation wells.
- Interference testing.

DEPLOYMENT METHODS

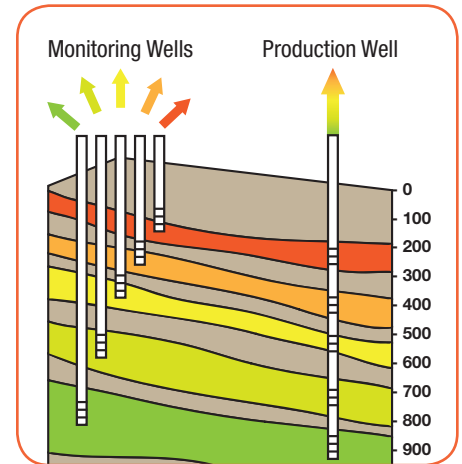
- Wellbore suspended.
- Customer retrievable.
- Tubing attached.
- Cemented in sensors. Casing deployed.
- Multi-Zone monitoring systems.

DATA MANAGEMENT

- Reliable & cost effective data loggers for cold, hot, and wet climates.
- Wireless data transmission via 3G, 4G, Spread Spectrum, Satellite, and SCADA.
- Cloud data hosting.

'FIT FOR PURPOSE' SUBSURFACE INSTRUMENTATION

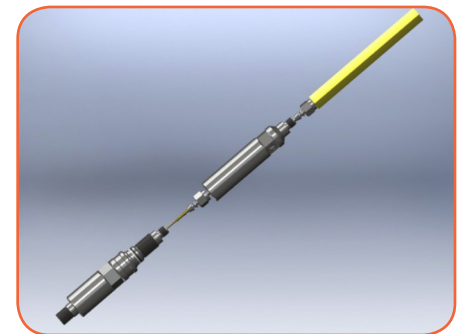
- Metal to metal sealing sensors. No epoxy or O-Ring seals.
- Stainless steel armored, leak proof instrumentation cable with high tensile and crush strength.
- Welded design.
- Simple to use.
- Re-usable.
- Low energy requirements.
- Accurate with Low Drift.
- High and low temperature ratings.
- Safe electrical feed-thru options
- Custom calibrated ranges.



Sample HYDROLOGY project



Example solar powered logging system with SCADA radio



Cost Effective / Reliable
SUBSURFACE instrumentation

The Future is Real Time™

ONLINE GEOPSI.com PermServices.com

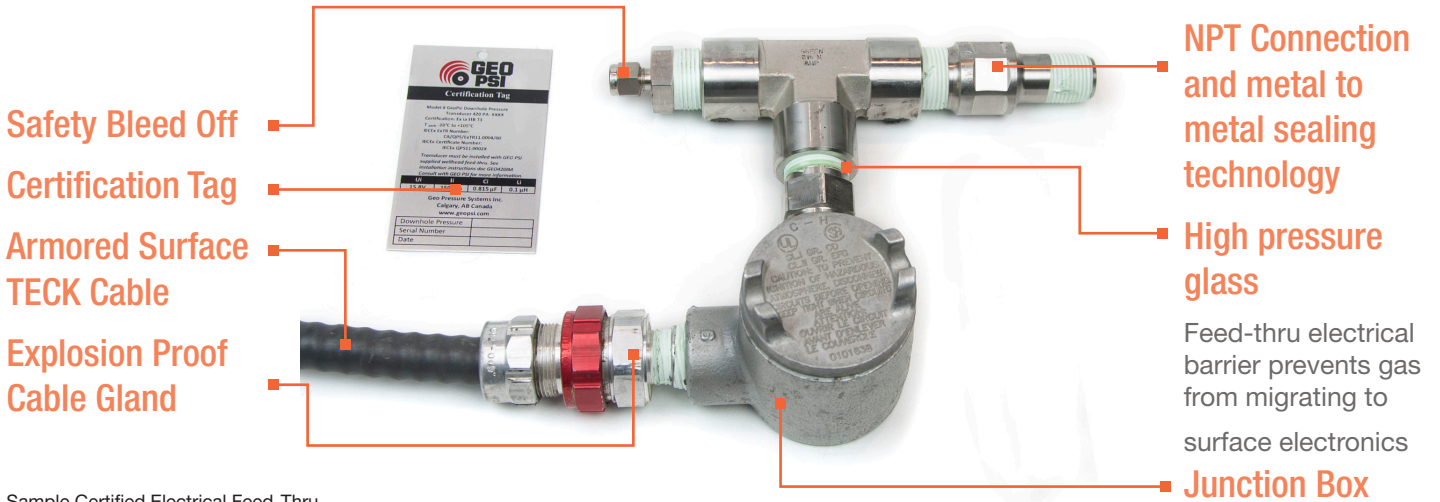


Services Offered:

- Manufacturing
- Engineering
- Technical Consulting
- Worldwide Installation

Why Us?

- **Experience**
GEO PSI has successfully installed hundreds of subsurface sensors for hydrology and environmental monitoring projects.
- **Flexibility**
GEO PSI provides customer end-user training to deploy / pull and re-run subsurface instrumentation solutions. Additionally, GEO PSI can provide surface electronics or integrate with existing systems.
- **Vertical Integration**
Eliminate unnecessary middlemen. GEO PSI manufactures it's own sensors and instrumentation cables, passing savings on to our customers.
- **Consulting Services**
GEO PSI understands sub-surface environments. We have expertise in completions and know what hardware is essential to ensure reliability.



Sample Certified Electrical Feed-Thru.

Reliability-Job 1™

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