

Company Introduction

Geo Pressure Systems Inc. (GEO PSI) is the global leader in designing, manufacturing, distributing, and installing high-performance downhole monitoring solutions. The company vision is that one day every completed well is instrumented, where increased access to information would allow our customers to do more with less. To achieve this vision, the Company sets out to develop fit for purpose, robust and cost-effective downhole monitoring solutions that make it easy for customers to say yes.



Above: Global Headquarters & Manufacturing Facility

To date, the Company has manufactured, distributed, or installed more than 11,000 downhole monitoring solutions, with a global success rate of 96%. This includes a plethora of ancillary equipment such as downhole mandrels, cable management, wellhead outlets, and data acquisition solutions. These successful installations close to, and far from home, have helped customers optimize and maximize production in locations such as the United States, Canada, Australia, Mexico, Kuwait, Oman, India, Vietnam, Argentina, Germany, Holland and many other select areas. The company success has been driven by its vertical integrated internal manufacturing supply chain.

Vertical Integration Benefits

The Company is the only downhole monitoring manufacturer globally with a complete and vertically integrated manufacturing supply chain. Most downhole monitoring manufacturers utilize external supply chains, at least partially. The most obvious example of this is the manufacture of downhole cable. We are the only Company that manufactures downhole cable from the internal supply chain. The intrinsic advantage this delivers to our customer is superior supply chain performance leading to increased reliability, improved lead times and cost-efficiency.

Manufacturing Capability

The Company operates a 99,000 sqft manufacturing facility in Calgary, Alberta. The manufacturing facility is the global platform for manufacturing and delivering downhole monitoring products to customer locations. The facility includes a large stable of state-of-the-art wire mills that manufacture many variants of downhole instrumentation cable, fibre optic cable, thermocouple cable, and capillary line for chemical injection. The Company also operates low and high-temperature extruders cable encapsulation. Additionally, the facility also supports the manufacture of every variant of downhole gauge, gauge carrier, wellhead outlet, and surface data acquisition solutions.

Downhole Monitoring, Global Track Record

The Company has an impressive track record illustrating its industry-leading downhole monitoring solutions. The following tables show platform exposure by asset and completion type.

| Installation by Platform Type | | | | |
|--------------------------------|---------------|-------------|----------------|--------------|
| Platform Type | < 2011 - 2015 | 2016 - 2021 | Total Installs | Success Rate |
| Wire Based Monitoring | 2,940 | 8,547 | 11,487 | 96% |
| Wireless DST Monitoring | 4,900 | 3,750 | 8,650 | - |
| Wireless Production Monitoring | 0 | 27 | 27 | 96% |

The following table illustrates success by asset type.

| Installation by Asset Type | | | | |
|----------------------------|----------|--------------|-------------|-----------|
| Asset Type | Depth | Pressure | Temperature | Vibration |
| CBM | < 1,300m | < 3,000 psi | < 105°C | Extreme |
| Conventional | < 4,500m | < 25,000 psi | < 200°C | Normal |
| Heavy Oil | < 2,500m | < 5,000 psi | < 150°C | Normal |
| SAGD | < 1,300m | < 5,000 psi | < 300°C | Normal |
| Shale | < 3,200m | < 15,000 psi | < 150°C | Normal |

The following table illustrates success by completion type.

| Installation by Completion Type | | | | |
|---------------------------------|---------------|--------------|----------------|--------------|
| Completion Type | < 2011 - 2015 | 2016 - 2021 | Total Installs | Success Rate |
| Free Flow | 41 | 6 | 47 | 94% |
| Injection | 2 | 0 | 2 | 100% |
| Progressive Cavity Pump | 2,580 | 8,077 | 10,657 | 97% |
| Gas Lift | 163 | 311 | 474 | 97% |
| Rod Pump | 28 | 20 | 48 | 96% |
| Jet Pump | 6 | 0 | 6 | 83% |
| Electric Submersible Pump | 0 | 66 | 66 | 96% |
| Single Zone Monitor | 63 | 30 | 93 | 98% |
| Multi Zone Monitor | 48 | 27 | 75 | 96% |
| Suspended Monitor | 9 | 8 | 17 | 100% |
| Well Test (DST) | 0 | 2 | 2 | 100% |
| Total Installations | 2,940 | 8,547 | 11,487 | 96% |

Performance References

Its significant global track record success illustrates the company commitment to supporting successful partnerships. Successful partnership businesses demonstrate the Company's commitment to quality and best-in-class customer support. Additional Client and Partner references can be supplied upon request.



Company Service Delivery

The Company supports its customers and global partners with best-in-class experienced service teams. The service delivery team is directly responsible for the success of thousands of installations worldwide. The company personnel are highly experienced in project management and onshore and offshore downhole monitoring installation operations. The service offerings are flexible and designed to suit customer operations in any operational or completion environment. The Company supplies fit-for-purpose installation packages, including cable spoolers and other deployment equipment.

Company Quality Certification

While the Company has and continues to invest in state-of-the-art manufacturing capabilities to deliver the highest quality products, it also understands the critical importance of the process that supports safety, quality, and environmental assurance. The Company is committed to following industry best practices and has been granted registration to the certifications ISO9001:2008, ISO 14001:2004 & OHSAS 18001:2007. The Company is also API Q1 certified. In August 2019, the Company completed a very successful audit with Petronas from Malaysia.

