



NEWS RELEASE

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SENSORTRAN UNVEILS REVOLUTIONARY DUAL LASER DTS

PerfectVision™ technology dramatically simplifies fiber probe installation, extends the life of fiber, and enables industry's first Active Plug & Play solution

Austin, Texas – September 25, 2007 – SensorTran Inc., a developer of the world's most advanced distributed temperature sensing (DTS) technology, today announced PerfectVision™, a revolutionary technology that enables unprecedented temperature measurement accuracy and repeatability regardless of changes in optical fiber condition, simplifies set up of DTS systems, and also dramatically extends the life and usefulness of optical fiber in DTS deployments.

The merging of the PerfectVision™ dual laser technology with SensorTran's long-range DTS capabilities enables the effective life of optical fibers to be extended by addressing the traditional problems related to fiber darkening and damage. This dramatically reduces the frequency of costly and disruptive fiber re-deployment, resulting in an increased return on investment for operators. Additionally, existing manual calibration techniques are based on averaging measurements over the entire length or large sections of the fiber, which is complicated and requires frequent recalibration efforts. PerfectVision™ dynamically and automatically calibrates each of the thousands of measurement points along the fiber, significantly simplifying DTS installation by use of its Active Plug & Play capabilities.

"Operators are increasingly adopting fiber optic temperature measurement systems to improve the efficiency of oil & gas production," said Michael Heagney, Research Director Oil & Gas Energy Insights an IDC company. "New technologies like SensorTran's PerfectVision that ease deployment and extend the life of fiber provide significant benefits, particularly where there is either limited or no access to the fiber, such as in sub-sea or downhole applications. The opportunities to help solve industry problems are just beginning for this technology."

Fiber darkening occurs where the fiber sensing cable is exposed to high temperature and high pressure environments such as in oil wells. This darkening occurs in a non-uniform manner and is progressive over

time, rendering manual calibration techniques ineffective. Additionally, the use of connectors and splices along a fiber installation can lead to varying degrees of optical loss, as can stress incurred during the deployment of the fiber. Whereas traditional DTS systems use the light source from a single laser, PerfectVision™ utilizes two lasers operating at different wavelengths to automatically adjust for dynamic and non-uniform changes in optical loss in the fiber. PerfectVision instantly identifies and corrects for these effects, allowing for the continued use of the existing fiber and avoiding a costly re-deployment that would have otherwise been required.

“Our customers have been asking for DTS systems that are easy to set up and use, and that are robust enough to stand up to the rigors of high-stress deployments,” said Kent Kalar, CEO of SensorTran. “Tapping into our team of the top scientists in the industry, SensorTran has developed and filed patents to protect this truly ground-breaking technology that addresses these concerns. PerfectVision™ is a revolutionary leap forward in distributed temperature sensing which will have huge ramifications in the market and is poised to become the industry standard.”

Active Plug and Play DTS Solution

The IEEE (Institute of Electrical and Electronics Engineers, Inc.), which has developed standards for measurement systems, provides an important differentiation between “active” and “passive” plug and play. In active plug and play, the installation process is completely free of user intervention. In a passive implementation, someone needs to complete the configuration by manually entering key operating parameters for the activity being performed (e.g. display resolution).

SensorTran’s PerfectVision™ technology combined with its long-range DTS capabilities are critical components in delivering the world’s first active plug and play DTS solution. This complete offering removes the need for any prior knowledge of the fiber characteristics or associated calibration of the DTS system, either upon installation or throughout its life.

About SensorTran Inc.

SensorTran is an ISO 9001 certified, global supplier of fiber optic-based distributed monitoring solutions. Customers benefiting from SensorTran’s DTS technology include the world’s largest energy providers. DTS systems, which can be customized for any language, have applications in downhole oil & gas, transmission and distribution power cable monitoring, pipeline flow assurance and leak monitoring, process vessel hot spot detection, storage tank leak detection, and environmental monitoring. For more information, visit www.sensortran.com

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