

Contact:
Dr. Imtiaz Majid
majid@verrillon.com

Verrillon Introduces its Second Generation of Robust Optical Fibers for Oil & Gas Applications

Continuing to extend fiberoptic lifetime in harsh environment...

North Grafton, MA—April 28, 2005 — Verrillon, Inc., a leading specialty optical fiber and components manufacturer, today announced the release of its second generation of graded index multimode optical fibers for harsh environment applications such as Oil & Gas and geothermal exploration. The new generation of fibers exhibits a significant improvement in performance in hydrogen-rich environments relative to currently used hermetic fibers. Verrillon's harsh environment fibers are designed to be used in the petroleum industry for real-time downhole temperature and pressure measurements, data transmission and imaging applications.

The second generation of hermetic fibers has been designed with higher resistance to hydrogen ingress effects than its predecessor across a broad spectral range extending from 800nm to 1700nm. In the critical 1060nm window, where most Raman-DTS systems operate, the new generation of fibers provides a four-fold improvement in resistance to hydrogen darkening compared to the current generation of hermetic fibers. For systems operating at 1550nm, the enhancement is even greater, approaching a ten-fold improvement in hydrogen resistance.

"While Verrillon's fibers continue to be widely used in the Oil and Gas Industry, the new generation of optical fibers opens up a myriad of new opportunities, enabling well service providers to obtain greatly increased system reliability and extended lifetime, particularly in very high temperature and hydrogen pressure deployments, where the environment has a catastrophic effect on the fiber performance" said Dr. Abdel Soufiane, Verrillon's Founder and Chief Technology Officer.

Having developed advanced proprietary tools to monitor, test and certify the hermeticity of the optical fiber in harsh environments, Verrillon is uniquely positioned to provide the industry not only with the most advanced product but also the supporting data that closely simulate downhole conditions. Some of the key technologies are online monitoring of the hermetic layer during fiber production, as well as high pressure, high temperature, hydrogen ingress testing.

Verrillon will be exhibiting at OTC 2005, in Houston, May 2 – 5, in Booth # 7008.

About Verrillon - www.verrillon.com

Verrillon, Inc. develops, manufactures, and markets innovative specialty optical fibers and fiber-based solutions for the Oil & Gas, telecommunications and industrial markets. The company's business model focuses on technology innovation and providing OEMs and well completion companies with rapid product development through flexible, high-volume manufacturing. Verrillon's advanced specialty optical fibers improve systems performance, increase production yields, and provide new functionality.

About AOFR, a *Verrillon Company* - www.aofr.com

AOFR Pty. Ltd, a subsidiary of Verrillon, Inc. develops, manufactures, and markets high performance, fiber-based passive components and Fiber Bragg Grating (FBG) products for Telecom, Geophysical, Industrial, and Military markets. AOFR products, which have been deployed in the global optical components market for over 18 years exhibit the highest level of quality and reliability.