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ExxonMobil Awards First Commercial License for IntelliRed Remote Gas Detection System to Providence Photonics

HOUSTON--(BUSINESS WIRE)-- ExxonMobil Upstream Research Company has awarded the first commercial license for its innovative IntelliRed™ remote gas detection system to co-developer Providence Photonics, LLC.

The IntelliRed system is designed to improve process safety and environmental performance at oil refineries, chemical plants, liquefied natural gas (LNG) facilities and other gas processing facilities. This new, state-of-the-art system employs a specially developed computer algorithm to autonomously analyze infrared camera images to detect escaping hydrocarbon gases. The IntelliRed system provides an early warning alert of hydrocarbon leaks with minimal false alarms.

Providence Photonics, LLC is an affiliate of Providence Engineering headquartered in Baton Rouge, La. ExxonMobil and Providence scientists co-developed the IntelliRed system over a four-year period culminating in field tests of the system that began last year at an LNG liquefaction plant in Qatar.

"The IntelliRed system is the latest example of ExxonMobil's continuous focus on process safety and environmental protection," said Sara N. Ortwein, president of ExxonMobil Upstream Research Company. "Our collaboration with the imaging experts at Providence Photonics has resulted in a remote gas detection system that is very accurate and, with its robust design, is capable of operating in the harsh environments of many different oil and gas processing facilities around the world."

"This system automatically and relentlessly scans for hydrocarbon gas leaks from process equipment and notifies operators to take action before the leak can become a hazard," said Yousheng Zeng, Providence managing partner. "Our global license from ExxonMobil enables Providence to bring this unique process safety technology to our customers around the world."

About ExxonMobil

[ExxonMobil](#), the largest publicly traded international oil and gas company, uses technology and innovation to help meet the world's growing energy needs. ExxonMobil holds an industry-leading inventory of resources, is the largest refiner and marketer of petroleum products, and its chemical company is one of the largest in the world.

About Providence Engineering

[Providence](#) is a family of companies regionally, nationally and internationally well-known as

an engineering and environmental consulting firm offering comprehensive services. Headquartered in Baton Rouge, La., the organization has grown over the past 13 years to include over 200 employees working on projects in multiple offices worldwide.

CAUTIONARY STATEMENT: Statements in this release regarding future events or conditions are forward-looking statements. Actual future results, including the performance and outcomes of new technology, could differ materially depending on technical or operating factors, other technological developments, the outcome of commercial negotiations, and other factors discussed under the heading "Factors Affecting Future Results" on the "Investors" section of our website at www.exxonmobil.com.

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