

China's CNOOC To Support Its Ambitious Offshore Output Targets With Xerafy Technology

Xerafy has been selected by China's largest offshore oil producer to deploy its drill pipe management technology.

SINGAPORE, SINGAPORE, March 21, 2018 /EINPresswire.com/ -- [Xerafy](#), the global leader in automated passive UHF RFID data capture in harsh environments, today announced that China National Offshore Oil Corporation ([CNOOC](#)), the largest offshore oil and gas producer in China, has selected Xerafy's RFID technology for tracking and managing drill pipes.

Founded in 1982, CNOOC is the third-largest national oil company in the People's Republic of China with revenues in excess of \$19 billion. CNOOC and its subsidiary, China Oilfield Services (COSL), selected the Xerafy [Xplorer](#) as the world's first UHF RFID tag, ATEX-certified, designed for use in downhole drilling operations. The deployment of 100,000 Xerafy Xplorer tags will align with the 10 percent year-over-year growth rate of oil output targeted by CNOOC.



COSL drilling platform (Photo / Xinhua) Source: http://www.chinadaily.com.cn/china/2014-05/11/content_17499542.htm

For CNOOC, the Xplorer tags will improve the company's ability to track both the identity, integrity and lifecycle of each piece of equipment, as well as how long the asset has been in service and what maintenance/repair work has been conducted. Traditionally, this information has been tracked manually by oil and gas producers using paper forms. By automatically tracking the complete asset lifecycle, CNOOC can anticipate when parts will need replacement in advance of a failure, which can significantly improve safety on the deep offshore and onshore well drilling platforms.

With improved maintenance, the drill pipe assemblies will also have a longer lifecycle. This will reduce both the need for additional inventory, as well as equipment and maintenance /repair costs.

"The deployment of Xerafy's RFID technology is an extension of CNOOC's focus on technology-driven innovation and efficiency enhancements," said Michael Hu, Sales Director China at Xerafy. "By enabling real-time tracking of their drilling assets, they can improve and ensure the safety at their offshore platforms as they expand production around the world."

The Xplorer RFID tags can operate at a continuous exposure to 482°F (250°C) temperatures and pressures up to 30,000 psi. The tags can remain in place for the life of the asset, and provides a read range on metal up to 5 feet (1.5m). The ATEX certifications means the tags are safe to use in explosion-prone or other hazardous environments.

"The oil and gas industry's digital transformation relies on automated data capture and Xerafy UHF technology has become a de facto standard when it comes to harsh environments, long read range and fast reading speed," said Dennis Khoo, CEO and founder of Xerafy. "With our technology,

CNOOC will be able to leverage data in order to better manage their drilling assets and improve operational efficiency and safety."

About Xerafy:

Xerafy enables real-time traceability and asset management in Healthcare, Oil & Gas and Manufacturing. We lead in RFID innovations for demanding environments and redefine the market expectations for durable and reliable performance. Xerafy is headquartered in Singapore with offices in the U.S., U.K. and China.

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