



ADNOC embarks on predictive maintenance projects

ADNOC will utilize Honeywell's asset monitoring and predictive analytics platform to maximize asset efficiency and integrity across ADNOC's upstream and downstream operations.

The Abu Dhabi National Oil Company (ADNOC) announced a 10 year partnership with Honeywell as it embarks on one of the largest predictive maintenance projects in the oil and gas industry.

Leveraging AI technologies like machine learning and digital twins, the platform will help predict equipment stoppages, reduce unplanned equipment maintenance and downtime, increase reliability and safety, and enable substantial cost savings for ADNOC.

ADNOC's predictive maintenance project is part of the company's flagship Centralized Predictive Analytics and Diagnostics (CPAD) program. CPAD, which underpins ADNOC's 2030 smart growth strategy and Oil & Gas 4.0 initiatives, aims at transforming the company's operations to maximize value from every barrel of oil.

"In an era where the oil and gas industry is being disrupted on multiple levels, it is important that we continue to drive innovation and seek new advanced technologies to further optimize performance and deliver sustainable returns," commented Sultan Ahmed Al Jaber, UAE Minister of State and Group CEO of ADNOC.

"We are proud to partner with ADNOC as they lead the transformation towards Oil & Gas 4.0 and embrace the power of IIoT. Honeywell Forge delivers the advanced capabilities business leaders need to harness big data to drive more efficient decision-making and exceed business goals," said Darius Adamczyk, chairman and CEO of Honeywell.

ADNOC will deploy Honeywell Forge Asset Monitor and Predictive Analytics solutions at its Panorama Digital Command Center in its headquarters. The Panorama Digital Command Center currently aggregates real-time information across all business units and uses smart analytical models, AI and big data to generate operational insights and recommend new pathways. The addition of Honeywell's solutions will enable the central monitoring of up to 2,500 critical rotating equipment across all ADNOC Group companies.