Woodside (ASX:WPL) has extended its relationship with Accenture (NYSE:ACN) to implement predictive analytics for maintenance and process-control in production operations across its liquefied natural gas (LNG) assets.

Under the terms of the agreement, Woodside is using Accenture to deliver an end-to-end analytics solution for real-time actionable insights on its LNG facilities, including the Pluto LNG Plant.

Accenture's data scientists and technologists are working with Woodside to rapidly make analytics pervasive in decision-making; establishing models specifically to drive proactive maintenance strategies and support decisions to enhance production, safety and risk management capabilities.

Statistical modelling, data management and visualisation software will help combine huge amounts of production data to deliver business insights. Data will be accessible to Woodside engineers at any time, from anywhere in the world using cutting-edge applications.

Woodside senior vice president strategy, science and technology Shaun Gregory said the company is leveraging its extensive knowledge and skills as a leading LNG operator to progress major opportunities in predictive analytics.

"By harnessing more than 30 years of leading LNG operational experience through predictive analytics we are enabling our people to access extensive analytical insights that are expanding our decision-making capabilities and enhancing our ability to be predictive in our LNG operations," he said.

Through the collaboration, Woodside has already achieved success in the development of predictive tools for its Pluto LNG Plant, including the deployment of predictive process monitoring tools. This innovative analytics methodology and capability will be extended to some of Woodside's other producing assets.

Based on its extensive oil and gas experience, Accenture will contribute robust delivery capabilities for advanced analytics solutions and a global pool of data science skills.

"This approach will support Woodside's journey in digital transformation and its future vision for intelligent operations," said Paul Carthy, managing director in Accenture's energy industry group. "The predictive and process control analytics models are designed to deliver valuable business insights and drive increased performance and proactive maintenance strategies, ensuring Woodside's position as a leader in digital energy."

About Accenture

Accenture is a global management consulting, technology services and outsourcing company, with more than 336,000 people serving clients in more than 120 countries. Combining unparalleled experience, comprehensive capabilities across all industries and business functions, and extensive research on the world's most successful companies, Accenture collaborates with clients to help them become high-performance businesses and governments. The company generated net revenues of US$30.0 billion for the fiscal year ended Aug. 31, 2014. Its home page is www.accenture.com.

Accenture Analytics, part of Accenture Digital, delivers insight-driven outcomes at scale to help organizations improve their performance. With deep industry, functional, business process and technical experience, Accenture Analytics develops innovative consulting and outsourcing services for clients to help ensure they receive returns on their analytics investments. Accenture also offers analytics platforms that can drive data-driven decisions: the Accenture Insights Platform – an end-to-end analytics solution designed to deliver real-time actionable insights – and the Accenture Analytics Applications Platform – a scalable platform that develops industry- and function-specific advanced analytics applications that are reusable, configurable and adaptable to meet the needs of each unique company and its individual users. For more information follow us @ISpeakAnalytics and visit www.accenture.com/analytics.

About Woodside

Woodside is an Australian oil and gas company with a global presence, recognised for its world-class capabilities – as an explorer, a developer, a producer and a supplier. The company's producing LNG assets in the north-west of Australia are among the world's best facilities, including the North West Shelf Project and Pluto LNG Plant.

Woodside's proven track record and distinctive capabilities are underpinned by 60 years of experience. With an exploration portfolio that includes emerging and frontier provinces in Australia and the Asia-Pacific region, the Atlantic margins and Latin America and Sub-Saharan Africa, development interests in Canada and Timor-Leste and a growing network of office locations, Woodside is transforming to become a global business.

Woodside believes technology and innovation are essential to unlocking future growth and commercialising assets and continually expands its technical knowledge to discover new solutions and learn valuable lessons. For more information visit www.woodside.com.au.

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