

Woodside Energy and IBM to leverage current and emerging technologies like AI and Quantum computing to realise vision of an “Intelligent Plant”

Woodside to join MIT-IBM Watson AI Lab and IBM Q Network

Sydney, AUSTRALIA - 12 Nov 2019: [Woodside Energy \(ASX: WPL\)](#) and [IBM \(NYSE: IBM\)](#) will work together to re-imagine the way work is done using next-generation technologies, such as artificial intelligence (AI) and quantum computing to help Woodside realise its vision of an “intelligent plant”.

Announced today at IBM’s Cloud Innovation Exchange in Sydney by Woodside Chief Executive Officer Peter Coleman and IBM Chairman, President and Chief Executive Officer Ginni Rometty, the collaboration will include Woodside becoming a member of the MIT-IBM Watson AI Lab, which is a collaborative industrial-academic laboratory focused on advancing fundamental AI research.

Woodside will also join the IBM Q Network, making it the first commercial organisation in Australia to join IBM’s quantum computing network. Woodside and IBM will use quantum computing to conduct deep computational simulations across the value chain of Woodside’s business.

During the past five years Woodside Energy and IBM have worked together to implement cognitive solutions, which are now used by 80 percent of their workforce enabling advances in health and safety, planning and operations, and project engineering. Today’s announcement represents the next phase of that journey.

We are deploying advanced technologies to capture, analyse and use all available data as we progress our Burrup Hub growth plans, reducing costs and risk whilst improving reliability and production performance. The relationship with IBM has been a crucial part of our work in artificial intelligence and will now assist us to build capability in quantum computing,” said Coleman.

“IBM is excited to join with Woodside, one of our first Watson clients globally, to help enable their pioneering vision of developing an intelligent plant,” said Rometty. “Together, Woodside and IBM will push the frontiers of innovation, working with the world’s most advanced researchers in quantum computing and next generation AI.”

For further information on IBM Services please visit <https://www.ibm.com/services>

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