



Media Release

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NASA Robonaut to touch down at Woodside

Woodside Energy and the world-renowned National Aeronautics and Space Administration (NASA) today launched a new collaboration program under which Australia's largest independent oil and gas company will work to develop applications for NASA's Robonaut in its own operations.

Under the partnership NASA will loan Woodside an Anthropomorphic Robonaut System for a 60-month deployment in Perth. Together the two organisations will explore how the robotic technology could be used to improve safety, reliability and efficiency in the high-risk and remote environments where Woodside operates.

Woodside will contribute its advanced cognitive science technology, being developed in its Western Australian operations, and NASA will share its expertise in Robonauts that are already being used for simple, repetitive, or especially dangerous tasks in places such as the International Space Station.

As part of the project, Woodside will begin by researching ways in which the Robonaut could perform tasks from more than 300 ideas suggested by the company's operators, engineers and maintenance workers.

Woodside's Senior Vice President and Chief Technology Officer Mr Shaun Gregory welcomed the collaboration.

"This is a unique partnership for NASA and is an exciting opportunity to accelerate Woodside's innovative cognitive science program."

"The partnership fits well with our collaborative approach to innovation. We want the best thinkers from inside and outside our company to be working on solutions that unlock value in our operations. It also supports the Western Australian innovation agenda and will help our state realise its potential to be a global centre for scientific and technological excellence," he said.

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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 global exploration portfolio includes emerging and frontier provinces in Australia and the Asia-Pacific region, the Atlantic Margins, Sub-Saharan Africa and Latin America. Woodside believes collaborative innovation is key to future growth. And that's the premise of Woodside FutureLab. Building on a legacy of LNG excellence, Woodside is growing a community of world-class innovators and forward thinkers. Today, Woodside is pioneering remote support and the application of artificial intelligence and advanced analytics in its operations. For more information visit www.woodside.com.au

About the Robonaut

Robonaut is a dexterous humanoid robot designed and built at NASA's Johnson Space Center in Houston, Texas, where engineers are working to develop machines that can help humans work and explore in space. Working side by side with humans, or going where the risks are too great for people, Robonauts will complement and enhance human construction and discovery capabilities. Central to that effort is a capability dexterous manipulation, where robots are able to use the same tools as humans to complete or assist with tasks. The Robonaut project is run by NASA's Space Technology Mission Directorate. For more information visit <https://robonaut.jsc.nasa.gov/R2/> or contact Jenny Knotts norma.j.knotts@nasa.gov