Our Technology Future

Technology is crucial to our business, allowing us to perform at the highest level and stay ahead in a fast-changing world. In 2018, we have refreshed our technology strategy to ensure we continue to focus on conventional oil and gas technologies and data-driven breakthroughs, while also prioritising carbon management and the development of new energy sources.

Conventional Technology

From the first LNG plant in the southern hemisphere to the world's first normally unmanned offshore platform, Woodside has long been a leader in oil and gas technologies. We continue to search for breakthroughs that will lift production, reduce costs and improve our performance from exploration through to production and sales.
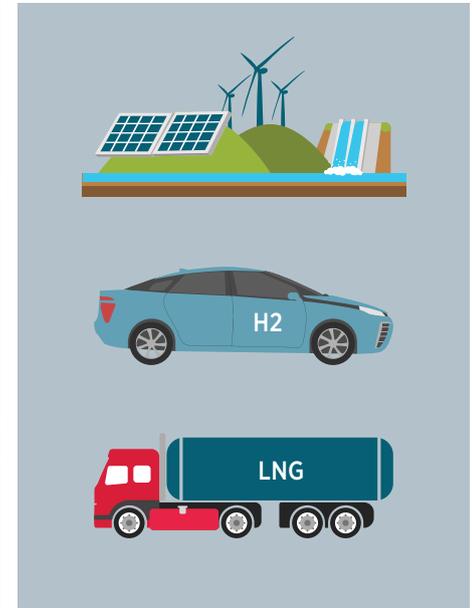
Intelligent Assets

We are installing a data-driven digital nerve system at our facilities that will provide insights to enable better decisions and avoid disruptions to operations. In doing this, we are harnessing technologies including smart wireless surveillance via sensors and robots, data storage, analytics and machine learning.

Carbon Management

We aim to accelerate development of technology to manage Woodside's carbon and greenhouse gas emissions. This requires a portfolio of abatement mechanisms across reduction, sequestration and uses of carbon. We actively monitor fugitive emissions and developments in renewables and high efficiency power generation.

New Energy

We are supporting the transition to low carbon energy in a way that adds value for our shareholders. This includes promoting the development of a market for LNG fuels, integrating renewables and battery storage into our facilities' power supply and pursuing opportunities in the development of Hydrogen as an energy source.

Woodside FutureLab

Our technology team is making great progress, but we go further when we combine innovative ideas from our own people with fresh perspectives from outside our industry. We do this through Woodside FutureLab, harnessing expertise from world-class thinkers. FutureLab is where we think big, prototype small and scale fast.

FIND OUT MORE