



# DELIVERING INTEGRATED TECHNOLOGY SOLUTIONS TO THE ENERGY SECTOR

Curtin University will grow its distinctive world-class capability and expertise in in collaboration with industry and external research partners



### Carbon Management Energy Futures

- Hydrogen
- Secure Storage
- Compliance Monitoring
- CO<sub>2</sub> Utilisation

### Reservoir Management & Productivity

- Enhanced resolution of prediction and surveillance
- Carbonate reservoirs
- Unconventional reservoirs
- Data Analytics (Deep Learning)
- Optimise recovery from mature fields and reduced water production

### Infrastructure Integrity & Reliability

- Cheaper pipelines and installation
- Long-distance tie backs and flow assurance (less MEG)
- Corrosion, material and mitigation
- Sensors, robotics, IoT, AI
- Blockchain & supply systems

### Late-Life Asset Management & Decomm

- Extend field life
- Minimise decommissioning costs
- Stakeholder and risk management
- Energy economics, tax and policy

### Gas Processing Optimisation

- Plant of the Future
- Process Control and Regas
- Energy Efficiencies

Aberdeen - Curtin Alliance

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