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

**Carbon Management Energy Futures**
- Hydrogen
- Secure Storage
- Compliance Monitoring
- CO₂ 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

**Gas Processing Optimisation**
- Plant of the Future
- Process Control and Regas
- Energy Efficiencies

**Late-Life Asset Management & Decom**
- Extend field life
- Minimise decommissioning costs
- Stakeholder and risk management
- Energy economics, tax and policy

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