LUCAS

The coal seam gas services chain

NEW CSG PROJECTS

FEASIBILITY PHASE
Should the project proceed?

ACTIVITIES

- Geology & geophysics
- Petrophysics
- Environmental audit
- Community impact audit
- Engineering
- Economics
- CSG development studies
- Exploration resources assessments
- Modelling and simulation
- Permeability and gas content testing

EXPLORATION AND ASSESSMENT PHASE
Resource certification

ACTIVITIES

- Environmental plan
- Community liaison programme
- Landowner access
- Regulatory approvals
- Exploration drilling
- Seismic surveys
- Geology & geophysics
- Petrophysics
- Engineering
- Pilot production wells
- Well services
- Pipelines
- Gas gathering systems

EXISTING CSG PROJECTS

PRODUCTION PHASE
CSG field production

ACTIVITIES

- Well completion technologies
- Approvals & land access
- Engineering & design
- Environmental protection
- Community liaison
- Vertical wells
- SIS wells
- Hydraulic stimulation
- Cavitation
- Under-reaming
- Well services
- Gathering systems
- Compressor stations
- Power plants

MAINTENANCE PHASE
Wells and other facilities maintained

ACTIVITIES

- Project management
- Top-up drilling
- Well services
- Environmental remediation
- Operations & maintenance
  - Pipeline inspection
  - Commissioning & decommissioning
  - Compressor stations
  - Power plants

CONCLUDED CSG PROJECTS

RESTORATION PHASE
Plant removed and site restored

ACTIVITIES

- Plant decommisioning & removal
- Land and vegetation restoration
- Final environmental signoff