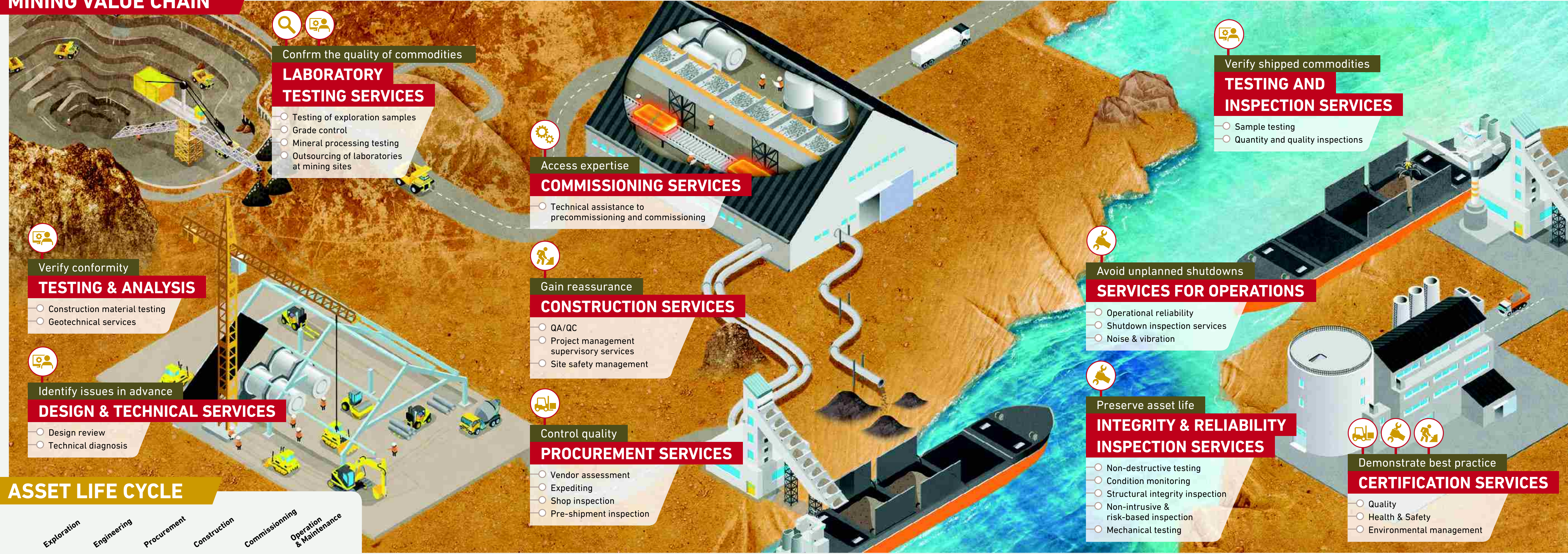




MINING VALUE CHAIN



Confirm the quality of commodities

LABORATORY TESTING SERVICES

- Testing of exploration samples
- Grade control
- Mineral processing testing
- Outsourcing of laboratories at mining sites

Access expertise

COMMISSIONING SERVICES

- Technical assistance to precommissioning and commissioning

Gain reassurance

CONSTRUCTION SERVICES

- QA/QC
- Project management supervisory services
- Site safety management

Control quality

PROCUREMENT SERVICES

- Vendor assessment
- Expediting
- Shop inspection
- Pre-shipment inspection

Verify shipped commodities

TESTING AND INSPECTION SERVICES

- Sample testing
- Quantity and quality inspections

Avoid unplanned shutdowns

SERVICES FOR OPERATIONS

- Operational reliability
- Shutdown inspection services
- Noise & vibration

Preserve asset life

INTEGRITY & RELIABILITY INSPECTION SERVICES

- Non-destructive testing
- Condition monitoring
- Structural integrity inspection
- Non-intrusive & risk-based inspection
- Mechanical testing

Demonstrate best practice

CERTIFICATION SERVICES

- Quality
- Health & Safety
- Environmental management

ASSET LIFE CYCLE

