

SEDGMAN CORE ALLIANCE

Leading innovative solutions to the global resource industry

Sedgman Core Alliance provides advanced metallurgical expertise from the study stages of a project through to detailed design and engineering and into production.

The combined proficiencies of these two long-established service providers create real synergies for metals mining clients who will benefit from a smooth integration of the following services:

- Metallurgical work
- Pilot plant services
- Feasibility studies
- Design
- Construction
- Commissioning
- Operations
- Production optimisation

SEDGMAN

**Mineral processing plant
engineering, construction
& operations**



**Specialist metallurgical
testing & process
engineering**



**Helping our clients
unlock the value of
their resources**

Sedgman Limited specialises in providing mineral processing solutions and associated infrastructure solutions to the global resources industry.

Sedgman provides multi-disciplinary engineering, project delivery and operations services with capability across gold, silver, copper, lead, zinc and other base metals, iron ore, coal, and associated infrastructure.

The Core Group excels in integrated metallurgical testing, process engineering, project management and support services, with additional capability in resources development and technology commercialisation.

Core subsidiary **hrltesting** has been providing metallurgical testwork, pilot planting and process development services to the resource industry since 1981.

- Leading innovative solutions for the resource industry
- Established 1979
- Publicly-listed in 2006, ASX 300
- Local: Brisbane, Perth, Townsville, Newcastle in Australia, and regional offices in four other continents
- Global: Australia, Africa, Asia & Americas
- 680 staff, focus on technology leadership & cost effective delivery (predominantly EPC, also E, EP, EPCM, BO, BOO)
- Process engineering & metallurgical testing services to the mining industry
- Metallurgical facility established 1981
- In 2006 acquired Xstrata's Hydrometallurgy Research Laboratories
- Global reach, with ability to ship samples cost-effectively from most countries direct to Brisbane
- Largest hydrometallurgy laboratory & one of largest dedicated PE groups on Australia's Eastern seaboard
- 48 highly qualified & experienced metallurgists, mineralogist, process engineers & chemists

SPECIALIST SERVICES

Engineering & Projects

- Feasibility studies
- Process plants
- Bulk materials handling pit to port
- Comminution/crushing & screening
- Site infrastructure

Site Infrastructure

- Bulk earthworks
- Civil works incl. roads & drainage
- Fixed infrastructure
- Associated services
- Transport solutions

Operations

All services to operate & manage plant assets:

- Contract operations
 - Base metals
 - Gold
 - Iron Ore
 - Coal
- Operations support
- Asset management.

Sedgman Limited

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Optimised Project Metallurgical Solutions

- Assisting precious metal & base metal projects from exploration to FS stage with development of expert metallurgical solutions.

Process Flowsheet Development

- Technical & economic evaluation of processing options
- Design & management of testwork/pilot programmes
- Process modelling
- Conceptual cost studies

Testwork & Pilot Plant Facilities

- Extensive equipment & experience across the whole minerals processing flowsheet
- Strong expertise in grinding, flotation, hydrometallurgy & metal recovery
- Characterisation – in house analytical & mineralogical laboratory
- Comminution – crushing, grinding & ultrafine grinding studies
- Beneficiation – flotation, gravity, heavy media & magnetic separation
- Hydrometallurgy – all aspects of base & precious metal leaching
- Metal Recovery – Crystallisation, precipitation, SX, IX, EW/ER
- Equipment from bench scale to fully integrated pilot plant.

Core Resources

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