WE ALWAYS FIND A WAY TO DELIVER
CLOUGH AT A GLANCE

Clough is a pioneering engineering and construction company. We have been helping our customers realise their vision since 1919, building iconic energy, mining and infrastructure projects across Australia and around the world.

Clough delivers challenging projects underpinned by a dedication to problem solving and getting the job done safely and efficiently. Today, Clough manages a global workforce of almost 2,000 people from operating centres across Australia, Papua New Guinea, Asia, Africa, UK, and North America that strive for the best in everything, setting new safety and performance benchmarks every single day.

We engineer, construct, commission, operate, and maintain facilities with a solid commitment to safety and sustainability, whilst optimising productivity and costs at every phase of a project.

Our organisational philosophy is represented through our principles, and is continually reflected in our culture, conduct, and performance.

+2,000
Projects completed to date across the globe

2,000
Global employees

54
Years experience in Mining

100
Years in Australia - established in 1919

+80
Mining projects successfully delivered

5
Mining projects currently in execution

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Years in Australia - established in 1919

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Mining projects successfully delivered

5
Mining projects currently in execution
MINING EXPERTISE

Clough has served the mining industry for over 50 years.

Our comprehensive engineering, procurement and construction (EPC) services assist clients to extract, process, store and export a variety of minerals including iron ore, coal, alumina, aluminium, copper, gold, limestone, mineral sands, nickel, pig iron, zinc and lead.

Clough’s fully integrated EPC services provide value at every phase of a project. With in-house engineering, procurement, and construction capabilities Clough can quickly mobilise people, material and equipment for a flawless project start up.

The unrivalled experience that Clough has with delivering projects in the Australian and Asian market places enables the development and implementation of project specific strategies that reflect the unique conditions of these markets. This includes project management, risk management, human resources and industrial relations planning, and HSE programs.

Together with our parent company, Murray B Roberts, Clough can offer an integrated project delivery solution to African mining projects. This combines Clough’s engineering and project management expertise with Murray B Roberts extensive African-based construction resources, project management expertise and experience in local project delivery.

Engineering and project services are delivered through a number of contract frameworks including Master Service Agreements, EPCM, EPC and construct only models.

KEY CAPABILITIES

- Over 50 years’ experience in metals & mineral processing project delivery
- Fully integrated engineering, procurement and construction services
- Award winning in-house engineering
- Range of contract delivery models
- African project delivery capability - Clough and Murray B Roberts

CASE STUDY:
BODDINGTON GOLD MINE

As part of the AKCMR Joint Venture (with Aker Solutions and Murray B Roberts) Clough completed the EPCM contract for the major expansion of the Boddington Gold Mine in 2009. Recognised as an engineering feat, the project was the culmination of 10 years work and the contribution of over 12,000 individuals, and achieved 14 million work hours without a lost time injury.

Boddington Gold Mine is one of Australia’s largest gold producers, and processes over 35 million tonnes of ore per annum. The project was awarded the 2010 Engineering Excellence awards – WA resource development category.
OUR OPERATIONS

INTEGRATED EPC SOLUTIONS

CLOUGH REDUCES PROJECT RISK BY PROVIDING A COMPLETE ENGINEERING AND PROJECT SERVICES SOLUTION THAT SPANS THE FULL ASSET LIFECYCLE. WE ENGINEER TO CONSTRUCT AND CONSTRUCT TO COMMISSION, OPERATE AND MAINTAIN FACILITIES, OPTIMISING SAFETY, PRODUCTIVITY AND COST ACROSS EVERY PHASE OF A PROJECT. THIS PROJECT EXECUTION EXPERTISE HAS BEEN DEVELOPED THROUGH OUR WORK ON SOME OF THE WORLD’S MOST LOGISTICALLY CHALLENGING ENERGY AND RESOURCES PROJECTS, AND PROVIDES A FRESH APPROACH FOR CLIENTS LOOKING FOR A NEW WAY OF CONTRACTING.

Our full asset lifecycle solutions utilise innovative technology and systems to drive performance and provide confidence on delivery schedule. Through a comprehensive reporting regime we make our project teams accountable for early detection and intervention on potential productivity issues, to ensure our projects deliver to cost and schedule promise.

AUSTRALIA
Clough’s Australian project delivery service is underpinned by a track record spanning 95 years. Over time we have worked on some of the world’s most challenging projects, and have developed specialist skills in industrial relations, security, logistics and quarantine to service the Australian mining industry. With a head office in Western Australia and operating centers in the Northern Territory, Queensland and Victoria, Clough can quickly mobilise professional teams to deliver mining & minerals processing projects Australia wide.

AFRICA
Together with our parent company, Murray & Roberts, Clough can offer an integrated project delivery solution to African mining & minerals processing projects. This combines Clough’s engineering and project management expertise with Murray & Roberts extensive African-based construction resources, and experience in local project delivery. Murray & Roberts is internationally recognised as one of the world’s leading mining contracting company with operations in Africa, Australia and the Americas. Murray & Roberts Cementation has served the mining industry for more than a century and is the reputed leader in shaft sinking, contract mining and raise and shaft boring technology and services, with a strong track record of successful mine project delivery worldwide.

ASIA
Clough has been working in Asia since the early 1970s and today has an established presence in Jakarta, Indonesia.

PAPUA NEW GUINEA
Clough has been delivering mining & minerals processing projects in Papua New Guinea for over 30 years and is one of the most experienced contractors in this region. Utilising disciplined processes, tailored project management systems and an excellent understanding of the PNG culture, we deliver a comprehensive range of engineering, construction and operations and maintenance services to the region. Over time we have developed an extensive database of supervisors, superintendents and local construction workers, allowing rapid mobilisation of an experienced workforce to meet project requirements.

CLOUGH DELIVERS FULL ASSET LIFECYCLE SERVICES TO FOUR KEY REGIONS.
includes civil, structural, mechanical, piping,
Wagerup, Western Australia
of 8 tower structures.
35kV overhead powerlines including the removal
HDPE and carbon steel, decommissioning of
multiple pipeline scope works consisting of
including, 35kV, 10.5kV electrical cabling and
concrete structures, buried services works
Material Handling System; and bulk and detailed
construction of the Underground Material
GCR Mongolia JV

Project aims to extend and widen a 2.7km jetty.

1991
Tanjung Bara Coal Mine Site Infrastructure
PT Kalimutu Mining Indonesia
Sangatta, East Kalimantan, Indonesia
Construction include a new conveyor up to 700m in length, material handling facilities, roads, three 500 bed camps, pipelines and pump stations.

Nickel Ore Materials Handling Plant
Queensland, Australia
Designed, supplied, installed and commissioned nickel ore unloading screening, crushing handling and train loading plant.

1988
Hedges Gold Water Pipeline and Tailings System
Alicia Australia Ltd
Boddington, Western Australia
Installed a 2.5km water pipeline, pump stations and carried out E/I work.

1985
Paddington Gold Project
Pancontinental Mining Ltd
Kalgoorlie, Western Australia
Installed a fourth conveyor system, mechanical equipment and piping for a 3.5tpa gold plant.

1981
Worsley Alumina Plant
Worsley Alumina Pty Ltd
Collie, Western Australia
constructed power station infrastructure including 8,000MW of concrete plant, 144km of pipes.

1980
Hunter Valley Coal Preparation Plant
Coal and Metalliferous, NSW
Ravensworth, NSW, Nyoys Clough JV
constructed four carloadable coal stockers.

Current Projects
Oyu Tolgoi Copper and Gold Mine Stage 1
Jacobo (Rio Tinto)
Southern Gobi Desert, Mongolia
GDR Mongolia JV
Construction and commissioning of the blind sink and conclosed line of shaft 3 and 4; construction of the Underground Material Handling System and bulk and detailed earthworks,
civil and concrete works for major concrete structures, buried services works
including, 35kV, 10.5kV electrical cabling and multiple pipeline scope works consisting of HDPE and carbon steel, decommissioning of 35kV overhead powerlines including the removal of fill breaker structures.

South Flank Ore Handling Plant (DHPL)
BHP
130km north-west of Newman, Western Australia
Construction of the DHPL structural, mechanical, piping, electrical and instrumentation work for the DHPL, including the interconnecting conveyors and transfer stations.

South Flank Non-Process Infrastructure (DHPL)
BHP
130km north-west of Newman, Western Australia
EPC to Design, engineer, detail and construct non process infrastructure facilities to support the mining activities at South Flank and the ore handling plant at Mining Area E.

Wagerup Oxalate Destruction Facility
Alcoa of Australia
Wagerup, Western Australia
EPC contract to design, engineer, detail and construct an oxalate destruction plant.

Mining Area C Tunnel and Overpass
BHP
130km north-east of Newman, Western Australia
procurement and construction of a 9km tunnel and heavy vehicle overspill as well as borrow pit management, earthworks, road works, concrete tunnel works and stormwater drainage.

2015
Anderson Point Facility (APFS)
Fortescue Metals Group
Port Hedland, Western Australia
BAM Clough JV
Design and construction of a 300m wharf extension, seven parting galleries, and the supply and installation of wharf conveyor modules.

2014
Cape Lambert Power Station
Rio Tinto Iron Ore
Wickham, Western Australia
Process, mechanical and piping engineering for a new Combined Cycle Gas Turbine Power plant facility.

2013
Wafi-Golpu Early Works
Mardie Mining, JV
Papua New Guinea
Early works to develop support infrastructure including roads, bridges, a 900m construction camp, power and water supply.

2009
Murray Basin Stage 2 – EPIC
Ikuka Resources
Queen and Hamilton, Victoria
Detailed feasibility study and EPIC for a mineral sampling and processing plant. Design and construction management of the track mounted mining unit and re-locatable concentrator plant.

Boddington Gold Mine
Boddington Joint Venture
Boddington, Western Australia
Aker Solutions, Clough, Murray and Roberts JV
EPIC for gold and base metal processing facilities capable of handling 35Mt/y. The project was recognised with Australia’s highest Engineering Excellence award.

2008
Cataby Plant Development
Ikuka Resources Ltd
Western Australia
Pro feasibility studies for a new mineral sand plant, mining unit and 200 bed accommodation.

Cowlaid Gold Mine Project
Barrick Australia Pty Ltd
New South Wales
Clough Seymour White JV
Civil and concrete works for a 4mpa gold process plant and support infrastructure including crushers, bins, reagent tanks, E&I systems, tailing disposal system, and installed structural steel and process equipment for crushers, bins, conveyors, grinding mills, concentrator buildings, autoscale, reagent facilities and galvanising.

2005
Hillsmith Knivanna Plant
Rio Tinto
Knivanna, Western Australia
Kiewalter Clough JV
EPIC of a world first 1,000,000tpa Hillsmith Plant, recognised with Australia’s highest engineering excellence award.

Dalyrymple Bay Stage 6 Expansion
Prime Infrastructure Group
Mackay, Queensland
Supplied and constructed a new 264m berth with new conveyors, mooring and barge dolphins and access bridges, while installing a separate 2,700tp/d ship loader.

2003
Boroa Gold Project – Process Plant
Boroa Queensland Mining Corporation
Solenko Province, Mongolia
Design, engineering and commissioned a 1.7Mtpa CL gold processing plant including 4MTPA of ore handling and water recovery pipelines.

2001
Cape Lambert Jetty Upgrade
North Limited
Cape Lambert, Western Australia
Supplied and installed upgrade works to extend and widen a 2.7km jetty.

1999
OPL Phosphoric Acid Plant
VMAC Ports
Townsville, Queensland
Allibert Clough JV
Turnkey development of a 500,000tpy phosphoric acid plant and design, construction and commissioning of product receipt, storage, reclaim and outbound facility at the Townsville ILO Port.

Dampier Iron Ore Port Upgrade
Hammersley Iron Pty Ltd
Dampier, Western Australia
Clough Sandwell JV
Designed, constructed and managed port upgrade including installation of a ship loader, conveyors, bridge reclaimers and site electrical.

1998
Dalyrymple Bay Stage 3 Expansion
Ports Corporation - Queensland
Mackay, Queensland
Boddington Joint Venture
Supplied and constructed two new 3.5km jetty conveyors, installed piers and conveyor galleries and constructed and installed a 8,000th/t ship loader.

1997
Lihir Gold Mine
Lihir Management Company Pty Ltd
Lihir Island, Papua New Guinea
Completed civil works and ROM pads, designed and constructed an operational waste disposal system, and installed structural steel and process equipment for crushers, bins, conveyors, grinding mills, concentrator buildings, autoscale, reagent facilities and galvanising.

1995
Osborne Copper and Gold Mine Project
Placer Pacific Development
North West Queensland
Collie, Western Australia
Designed and constructed crushing and screening facility and installed a new primary crusher, secondary crusher, coarse and fine ore bins and reagent tanks, E&I systems, filtration and reagent areas.

1994
Marandoo Iron Ore Facility
Hammerstone Iron Pty Ltd
Tom Price, Western Australia
Clough JV
Designed and constructed crushing and screening facility.

1993
Pergera Gold Mine Stages 1, 2, 3 & 4
Placer (PNG) Pty Ltd
Enga Province, Papua New Guinea
Major infrastructure works, including construction of refinery and concentrator buildings, fine onlines, power house, acid plant, semi-autogenous grinding mill, clean in place and thicker foundations.

EGAT Maeh Moh Power Project
Electric Generating Authority of Thailand
Designed, manufactured, installed and commissioned conveyors, leading and transfer stations, and a stacker.

1992
Kiddston Expansion Project
Kiddston Gold Mines
Central Queensland, Australia
Civil works, installation of structural steel for crusher, conveyors, bins and ball mill.

1991
North Pulau Laut Coal Terminal
PT Astra Pulau Laut, Indonesia
Nyoys Clough JV
Designed, constructed and commissioned stacker and bucketwheel reclaim.

1988
Hedges Gold Water Pipeline and Tailings System
Alicia Australia Ltd
Boddington, Western Australia
Installed a 2.5km water pipeline, pump stations and carried out E/I work.

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Pancontinental Mining Ltd
Kalngorrie, Western Australia
Installed a fourth conveyor system, mechanical equipment and piping for a 3.5tpa gold plant.

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Worsley Alumina Pty Ltd
Collie, Western Australia
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Hunter Valley Coal Preparation Plant
Coal and Metalliferous, NSW
Ravensworth, NSW, Nyoys Clough JV
constructed four carloadable coal stockers.
SAFETY, ENVIRONMENT & COMMUNITY

THROUGH THE TARGET ZERO AND MAP PROGRAMS, CLOUGH DELIVERS INDUSTRY LEADING SAFETY AND ENVIRONMENTAL PERFORMANCE WHILE PROTECTING AND GIVING BACK TO LOCAL COMMUNITIES.

SAFETY EXCELLENCE

Safety is a value on which we never compromise. While Clough’s safety performance is significantly better than the global contracting industry average, we continue to work towards a workplace that is incident and injury free by driving safety leadership accountability and developing our people.

Our Target Zero safety program takes a full-project lifecycle view on safety – from design through to execution and operations. We employ behavioural based safety programs across every phase of a project. Leading indicators play a key role in the measurement of our safety performance.

Clough’s Major Accident Prevention (MAP) brings offshore safety case principles to the onshore construction environment. By analysing activities with potential for major accidents or events, and implementing critical controls, MAP provides lifesaving tools to provide real-time, line of sight management of potential major hazards.

ENVIRONMENT

Clough is committed to continuous improvement in environmental performance throughout our global operations. Over and above the commitments stated in our HSE policy, we actively seek out ways to continually deliver environmental excellence for our clients and the communities in which we operate. Our environmental management processes are embedded into our business delivery processes, championed by our environmental specialists and delivered by our management, engineering and project teams.

COMMUNITY

Clough embeds dedicated community relations professionals on our projects to implement programs that deliver tangible community benefits while achieving project objectives. Community engagement strategies are developed to facilitate community support and involvement. Clough supports a range of local community groups to provide sustained benefits to local communities, strengthen stakeholder relationships and encourage employee involvement in community initiatives.

Clough has achieved zero harm on several recent projects:

- Dya Teloji Mine Site (Rio Tinto), Sobi Desert, Mongolia: 2 million work hours / +630 days on site / zero injuries / zero environmental impacts
- PDMS Power Station (Nui Power – Oil Search and Kumul Petroleum), Papua New Guinea: +550,000 work hours / +450 days on site / zero injuries / zero environmental impacts
- Mundaring Outlet Upgrade Project (Water Corporation of WA), Western Australia: +6,133 work hours / 457 days on site / 1 first aid injury / zero environmental impacts
- Karratha Life Extension (KLE) Marine Installation Services (Woodside Energy Ltd), Western Australia: +217,617 work hours / 235 days on site / zero injuries / zero environmental impacts

KEY CAPABILITIES

- Strong safety performance
- Safety addressed across the asset lifecycle
- Major Accident Prevention (MAP)
- Risk Management Program
- Behavioural based safety programs fundamental to improving safety performance
- Focus on leading as well as lagging indicators
- Commitment to environmental excellence
- Programs to engage and give back to the community
- LTIF 0.32 / TRIF 1.83
- Best LTIF free run: 935 days
- Best TRI free run: 164 days

Clough Foundation

Clough embeds dedicated community relations professionals on our projects to implement programs that deliver tangible community benefits while achieving project objectives.
WE ALWAYS FIND A WAY TO DELIVER

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