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ENERGY, RESOURCES & INFRASTRUCTURE PLATFORM



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The Energy, Resources & Infrastructure platform is headquartered in Perth and operates under the Clough brand. Clough is a pioneering engineering and construction company established in 1919. Today, Clough manages a global workforce of over 2000 people from operating centres across Australia, Papua New Guinea, Asia, Africa, UK, and North America.

OUR LOCATIONS

The platform operations span four key regions and multiple international subsidiaries and partnerships to form a global network of operating centres that bring together highly specialised technical services with high value engineering centres.

OUR MARKETS

MINING

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, construction and commissioning capabilities Clough can quickly mobilise people, material and equipment for a flawless project start up. We self-perform Structural, Mechanical and Piping, Electrical and Instrumentation, Civils and Structures construction.

ENERGY

The platform provides a full spectrum of services to the Energy market, encompassing engineering, procurement, construction, commissioning and asset support for upstream, downstream, onshore and offshore oil & gas and petrochemical facilities.

Specialist services includes:

- Oil & Gas
- Coal Seam Gas
- Petrochemicals

INFRASTRUCTURE

The platform has been delivering infrastructure projects for over 62 years. In 1959 Clough completed its first major bridge project and since that time has been successfully delivering major public and private infrastructure projects.

Specialist services include:

- Marine
- Water and wastewater
- Power
- Roads and bridges

OUR SERVICES

The platform has the in-house skills and expertise to provide full spectrum services across the entire value chain of a project, from concept development and detailed design to procurement; fabrication to construction; commissioning to long term asset support.

ENGINEERING

Clough delivers a full suite of engineering services across the asset lifecycle, from concept and feasibility studies through to design, delivery, and long-term production operations and optimisation. Our engineers design with a construction mindset to maximise safety, cost, quality and productivity outcomes during the construction and operations phases of a project.

Capabilities include:

- Process Facilities
- Power Generation
- Pipelines
- Water and Waste Water Facilities
- Civil Infrastructure
- Roads and Bridges
- Fabrication
- Control Systems

CONSTRUCTION

Safety underpins all construction activities and is never compromised. Our Target Zero safety program employs behavioural based training, major accidents and events risk management programs and a leading indicator focus to deliver industry leading performance.



Zero Harm to our people, the environment and the communities in which we work.

Clough is committed to providing an environment that enables our employees to achieve our vision of Zero Harm. This environment encourages a safety culture supported by training and tools so working safely is the natural thing to do. In this environment our people have the right and duty to say no to any task that they do not feel is safe. Accountability is with us all.

Our Target Zero program provides the policies and systems to ensure all staff take responsibility and care for their team mates, and the communities and environments in which we work.

ZERO HARM IS A REALITY

Clough has achieved Zero Harm on several recent projects:

POM POWER STATION PNG EARTHQUAKE RESPONSE MUNDARING WEIR OUTLET WORKS UPGRADE KARRATHA LIFE EXTENSION MARINE INSTALLATION SERVICES



ENVIRONMENT

We strive to deliver environmentally sustainable outcomes during all stages of our projects. We value sustainable development and believe respect for the environment and the community in which we operate is fundamental to business success.

At Clough, employees and contractors show their commitment to minimising environment and social impacts and promoting sustainable development by:

- Sharing a belief in a culture of zero harm where harm to people or the environment is unacceptable;
- Stopping work where an activity could harm the environment or community;
- Planning and performing activities to achieve zero harm outcomes; and
- Understanding their roles, responsibilities and behaviours expected of them.

MAP PROGRAMME

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.

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.



BOOTH WELSH

Booth Welsh specialise in the provision of electrical, instrumentation and automation design, process consultancy, project management, implementation and commissioning services.

Established in 1989, the company employs over 200 personnel with 60 per cent of the workforce comprising qualified engineers and designers.

Booth Welsh work with blue chip clients operating in the oil & gas, nuclear, petrochemical, pharmaceutical, and food and beverage sectors. They are the UK market leaders in lifecycle services for control systems from FEED to service and replacement. The group acts as Clough's global Centre of Excellence for electrical, control instrumentation and automation design.



www.cloughenercore.com

CLOUCH ENCORE

Clough Enercore brings together Australia's leading engineering and project management contractor, with Canada's EPCM service provider Enercore Projects Ltd. Clough acquired Calgary-based Enercore Projects in October 2015. The united group provides a production-focused approach, which aims to maximise the value of client assets across the project lifecycle. Their delivery model is a fresh approach to oil & gas contracting in North America:

- Multi-Disciplined Engineering
- Integrated EPCM-EPC Solutions
- Operational Readiness and Commissioning

Clough Enercore provides high quality, innovative and cost-effective solutions to a diverse group of energy clients in the following markets:

- Natural Gas
- LNG
- Pipeline, Gathering Systems and Flowlines
- Conventional Oil
- Heavy Oil/Oil Sands
- Waste Treatment, Recovery and Disposal



www.clough.com.au

CLOUGH

Headquartered in Perth, Australia, Clough works with many of the world's largest companies to provide engineering, construction, commissioning and asset support services for some of the largest, and most challenging resource projects around the globe.

Clough has the in-house skills and expertise to provide full spectrum services across the entire value chain of a project, from concept development and detailed design to procurement; fabrication to construction; commissioning to long term asset support.



www.ch-iv.com www.clough.com.au

DELAS BOL

CLOUCH USA

Clough USA is based in Houston and includes the Clough Houston and CH-IV businesses.

Clough Houston is an EPC downstream and chemical business unit which extends the platform's EPC service offering to the growing oil and gas and petrochemical sectors in North America.

CH-IV specialises in the provision of LNG engineering and consulting services to the global LNG sector including North America, Asia, Africa, Europe, the Pacific Rim and South America. The company has provided services to the majority of US LNG export projects that sit before the Federal Energy Regulatory Commission (FERC) and is a technical leader in the design of bunkering systems for ships using LNG for engine fuel.



www.e2o.com.au

E20

e2o is Australia's leading multi-discipline commissioning contractor. The company provides an independent commissioning solution across the entire project lifecycle. This service plans and integrates commissioning requirements throughout the engineering, construction, start up and handover phases of the project.



