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CAPABILITY OVERVIEW

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WHO WE ARE

Civmec is an integrated, multi-disciplinary construction and engineering services provider to the Energy, Resources, Infrastructure and Marine & Defence sectors.

Established in 2009, Civmec is one of Australia's leading providers of turnkey solutions across a range of core capabilities.

Our vast self-performance capability enables us to respond agilely to our clients' needs while our commitment to innovation and technology ensures we work smarter, providing value-driven solutions.

Focused on establishing long-term partnerships and working collaboratively with clients and delivery partners, we have played a significant role in the delivery of some of Australia's most complex projects. We are strongly committed to supporting Australian industry.

Civmec has been listed on the Singapore Exchange (SGX) since 2012, achieving dual listing on the SGX and the Australian Securities Exchange (ASX) in June 2018.



OUR JOURNEY

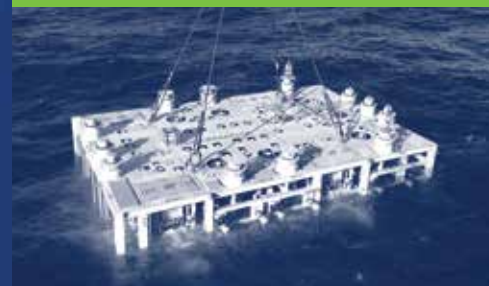
2010



MOF WHARF CAISSON FOR THE GORGON LNG PROJECT

- Started operating from our new 29,300m² fabrication hall
- Delivered our first project for the Gorgon LNG Project – MOF wharf caissons
- Delivered our first site-based project – civil works for the new Binningup Desalination Plant

2012



SUBSEA MANIFOLD FOR THE CONISTON DEVELOPMENT PROJECT

- Civmec Limited was publicly listed on the Singapore Exchange (SGX)
- Supplied subsea manifolds and an oil production pipeline end manifold (PLEM) for the Coniston, Balnaves and Greater East Spar Phase 2 Development Projects
- Awarded further works on BHP's Port Hedland Inner Harbour Project

2014



MAIN OFFICE BUILDING OFFICIALLY OPENED

- Premier Colin Barnett officially opened our 6,500m² main office building
- Completion of our 4,800m² blast & paint facility, expanding our in-house blasting and surface treatment capabilities at Henderson
- Delivered works on the Elizabeth Quay project, a significant public infrastructure development on the banks of the Swan River in the Perth CBD
- Received accreditation as a Registered Training Organisation (RTO)

2009



MOVED INTO THE AUSTRALIAN MARINE COMPLEX

- Commenced operations
- Acquired the rights to strategic waterfront land at the Australian Marine Complex in Henderson, Western Australia
- Commenced development of the site

2011



RAIL CAR DUMPER

- Undertook several projects for Rio Tinto, including the fabrication and assembly of the largest iron ore rail car dumper ever built in Australia
- Awarded our first major fabrication and modularisation packages for BHP's Port Hedland Inner Harbour Project
- Awarded further packages for the Gorgon LNG Project

2013



YANDICOOGINA SUSTAINING PROJECT

- Continued our relationship with Rio Tinto, delivering packages for their Yandicoogina, Nammuldi Below Water Table, Marandoo and Hope Downs 4 iron ore projects in the Pilbara
- Delivered works for three of Australia's largest LNG projects – Gorgon and Wheatstone in the north-west, and Ichthys, our first major contract award in the Northern Territory
- Delivered works for the Mungari Gold Project in the Goldfields

2016



ACQUIRED RIVERFRONT FACILITY IN NEWCASTLE

- Acquired Forgacs' 23-hectare riverfront facility in Newcastle, New South Wales
- Delivered our first EPC contract for the expansion of mining and processing capacity of BHP's existing Jumblebar operations in the Pilbara
- Held ground-breaking ceremony for the new assembly hall to be built at Henderson

2018



OFFSHORE PATROL VESSELS

- Awarded contract for the Royal Australian Navy's OPV program, supplying and processing the steel for 12 vessels, with construction of 10 of the 12 vessels to be undertaken in our new assembly hall
- Fabricated and delivered the complex steel for the Matagarup Bridge
- Achieved dual listing status, with our acceptance to the Australian Securities Exchange (ASX), along with our existing status on the Singapore Exchange (SGX)

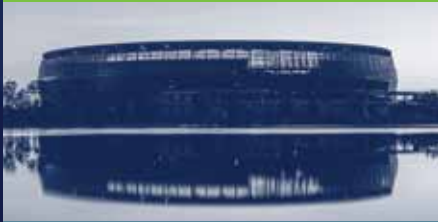
2020



MARINE & DEFENCE FACILITIES

- Completed our assembly hall in Henderson, delivering a new leading-edge resource to the Australian maritime landscape
- Awarded significant contracts for Alcoa, Rio Tinto, Roy Hill and Woodside (via EPCM Worley)
- Commenced construction of submarine rescue facility in Henderson, to support the Royal Australian Navy's submarine fleet

2015



PERTH STADIUM

- Awarded a major contract on the prestigious new Perth Stadium Project (since named Optus Stadium)
- Completed construction of our specialist exotic metals facility and new site support logistics facility at Henderson
- Launched our Marine & Defence division

2017



PILGANGOORA LITHIUM PROJECT

- Commenced site preparation for construction of our new 70-metre high, 53,000m² (usable floor area) assembly hall at Henderson
- In delivery of several major projects, including the Gruyere Gold Project, Amrun Project, Pinjarra Residue Filtration Facility, Pilgangoora Lithium Project and Phillip Creek Gas Treatment and Compressor Station
- Supplied concrete and structural steel for major road and rail infrastructure projects being delivered across Sydney

2019



NEW FACILITY UNDER CONSTRUCTION

- Awarded contract to deliver the Albemarle and Eliwana projects
- Maintenance division successfully delivered the Domgas facility turnaround for Chevron's Gorgon LNG project on Barrow Island
- Construction continues of our state-of-the-art assembly hall at Henderson

2021



SECURED PORT HEDLAND FACILITY

- Secured office and workshop at Port Hedland to strengthen maintenance and capital works service offering
- Commenced construction of fourth Offshore Patrol Vessel (OPV4)
- Awarded contracts in maintenance (Alcoa), manufacturing (Jumblebar and Gudai-Darri/Koodaiderrri) and construction (Roy Hill, Rio Tinto Mesa A and Main Roads WA Kids' Bridge)

OUR VISION & VALUES

Our vision is to grow sustainably, delivering mutually beneficial outcomes for all stakeholders. Our culture, the way we think and operate, is underpinned by our values.



COMMITMENT

Our individual commitment facilitates our success



INNOVATION

Our innovative approach drives continuous improvement



VALUE DRIVEN

Our performance driven culture delivers value



MAKE A DIFFERENCE

Our ability to influence and challenge drives sustainability



EXCELLENCE

Our pursuit of excellence makes us a world-class service provider



COLLABORATION

Our focus on working together drives sustainable partnerships



OUR LOCATIONS

Singapore
Registered Office



LOCATIONS

- A** Perth - West Coast Facility
- B** Newcastle - East Coast Facility
- C** Gladstone - Queensland Office & Workshop
- D** Port Hedland - Office & Workshop
- E** Singapore - Registered Office

West Coast Facility



East Coast Facility



Gladstone Facility



WEST COAST FACILITY

Our west coast facility in Henderson, Western Australia, is the largest heavy engineering facility of its kind in Australia.

Situated just 30 kilometres south of Perth, the facility is strategically located on 200,000m² of land with direct waterfront access in the Australian Marine Complex (AMC) precinct. The AMC also provides access to a further 440,000m² of Common User Facility (CUF) land.

With more than 100,000m² of undercover area, the facility includes:

- 53,000m² (usable floor area) assembly hall
- 29,300m² fabrication hall
- two surface treatment (blast & paint) facilities, including one specifically capable of housing large material handling equipment and integrated modules
- Two exotic metals facilities
- site support logistics workshop
- multi-storey main office building.

Serviced by 52 overhead cranes, the facility has a single-lift capacity of up to 400 tonnes and is capable of handling a throughput of 80,000 tonnes of steel per annum.

The centre bay of the assembly hall is able to accommodate large modules, with an internal length of 187 metres and door clearance of 42 metres wide and over 60 metres high. 4,600-tonne self-propelled modular transporters provide direct access to the 3,000-tonne, 6,000-tonne and 15,000-tonne loadout wharves within the AMC.



Assembly Hall - 53,000m²

Blast & Paint 2 - 2,600m²

Blast & Paint 1 - 4,800m²

Exotic Metals 1 - 1,200m²

Fabrication Hall - 29,300m²

Site Support Logistics - 2,300m²

Exotic Metals 2 - 490m²

Main Office - 6,500m²



EAST COAST FACILITY

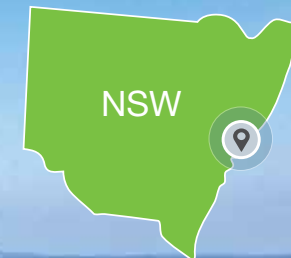
Our east coast facility is strategically located on 227,000m² of land, just 14 kilometres from the Port of Newcastle in New South Wales.

With direct access to the Hunter River, the site offers 535 metres of prime river frontage, with two ship basins.

The facility includes:

- 15,000m² heavy engineering workshop
- 7,500m² precast/prestressed concrete facility
- surface treatment facility
- offices.

Serviced by 24 overhead cranes, the facility has a single-lift capacity of 92 tonnes. The facility is capable of producing a throughput of 35,000 tonnes of steel and 75,000 tonnes of precast/prestressed concrete per annum and can accommodate modules up to 22 metres wide and 136 metres in length.



Precast/Prestressed Concrete Facility - 7,500m²

Module Surface Treatment Facility - 1,150m²

Heavy Engineering Workshop - 15,000m²

Offices



CRITICAL SAFETY ESSENTIALS



HEALTH, SAFETY & ENVIRONMENT

Our strong safety culture is built on our *Never Assume* program, incorporating our core values and providing a framework for the behavioural expectations of our people across the business.



The program is designed to empower every person in the company to ensure their work practices are focused on achieving safe outcomes, reinforcing the right and responsibility of every employee to stop work and intervene if they see an unsafe act, condition or behaviour and be part of the solution.

Our Critical Safety Essentials outline the business' mandatory expectations for safe work practices. Every employee is expected to abide by these underlying rules, which form the foundation of how we operate.

Implementation of our health and safety systems is supported by our onsite fitness-for-work health centre and our internal Registered Training Organisation (RTO code 52645), which provides support and training specific to our safety culture and processes.

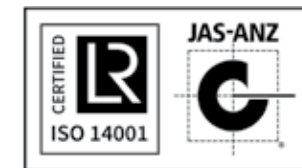
Our systems are certified to ISO 45001, the internationally recognised standard for health and safety management.

Environment

We acknowledge the diverse locations in which many of our projects are delivered, and remain committed to minimising our impact on the environment and meeting each project's unique environmental compliance requirements.

We also implement environmental best practice at our facilities, delivering resource and energy efficiency by measuring and monitoring our inputs (energy, water and materials) and outputs (waste and emissions) and developing improvement strategies.

We are certified to ISO 14001, the internationally recognised standard for environmental management and hold platinum status with the Australian Steel Institute Environmental Sustainability Charter, acknowledging us as an industry leader, with all Charter commitments met and environmental management and awareness evident across all levels of our business.



QUALITY

Providing quality products and project outcomes for our clients is a fundamental metric of success.

Utilising Civtrac, our proprietary web-based integrated business management system, we are able to provide 'live' tracking, ensuring a seamless flow from fabrication through to onsite installation and commissioning.

Managing all aspects of project delivery, Civtrac supports:

- document control
- material control
- project management (including monitoring progress and time)
- project reporting
- safety management
- quality control
- cost management.

Civtrac also enables our clients to directly monitor real-time progress via a remote login, providing transparency across the entire project life cycle, from material control to delivery and installation.

Our quality management systems are certified to ISO 9001, the internationally recognised standard for quality management, and our facilities in Perth and Newcastle hold CC3 certification to the requirements of AS/NZS 5131-2016, 'Structural Steelwork – Fabrication and Erection'.





OUR PEOPLE

Our talented and dedicated people underpin our success.

We have developed and grown a highly skilled and competent workforce capable of providing multi-disciplinary construction and maintenance services to the multiple sectors we operate within.

Offering sustainable career pathways enables us to retain and grow capability across our specialised disciplines. Our recruitment strategy is to attract, develop and retain the right people; those with values that are aligned to ours.

We ensure the right people manage the right projects, providing our clients with the best technical knowledge, industry experience and capability to drive a high-performance culture and optimal project outcomes.

Our core value of *Collaboration* means we work in partnership with our people to identify their individual training and development needs, largely delivered through our in-house Registered Training Organisation (RTO code 52645).

Our commitment to supporting the future of our industry is reflected in our engagement of apprentices and trainees across the spectrum of our operations, including metal trades – such as boilermakers, welders, carpenters and electrical – and corporate services, including estimating, HSEQ, commercial, business administration, human resources and logistics.



REGISTERED TRAINING ORGANISATION

We recognise the importance of continually investing in the training and development of our people.

As such, we have our own Registered Training Organisation (RTO code 52645), which offers skills and competency-based training courses.

The RTO offers more than 30 units of competency, specialising in high risk training, including crane operations, rigging, scaffolding, forklift and elevated work platform operations. It has expertise in mobile plant operations, such as excavator, backhoe and roller operations, and is one of the few RTOs in Western Australia that offers specialised training for tilt-up panel works. It has also developed a program of management training for supervisors that covers health and safety, leadership, team management and project management.

The RTO runs nationally accredited training, as well as non-accredited training such as verifications of competencies (VOCs).

Health and safety is a significant aspect of every course that the RTO provides, which increases the overall knowledge and safety of Civmec employees as they participate in training. Through the RTO, employees are trained to see and manage risks in a more proactive way within their workplace.



DIVERSITY & INCLUSION

Our commitment to driving diversity in the workplace is founded on a belief that a more balanced workforce, across age, gender and ethnicity, positively contributes to our culture and makes Civmec a more attractive place to work for all employees.

As we continue to strive for a supportive and inclusive workplace for everyone, we are focused on actively capitalising on the diversity of skills, talents and perspectives of our people to harness an organisation where everyone works better together and feels valued and able to contribute.

We are committed to fostering an environment where Aboriginal and Torres Strait Islander (ATSI) people are valued and respected. Our Reconciliation Action Plan (RAP), developed in partnership with Reconciliation Australia, provides a roadmap for us to build positive, sustainable relationships with ATSI people and their communities.

The RAP identifies practical actions based on the three pillars of Relationships, Respect and Opportunities. Its intent is to provide employment, training, mentoring and commercial partnership opportunities for Aboriginal and Torres Strait Islander people, businesses and community organisations and to develop a better understanding of cross-cultural sensitivities to drive positive relationships.



COMMUNITY ENGAGEMENT

Our value of *Make a Difference* empowers our people to positively impact the communities in which we live and work.

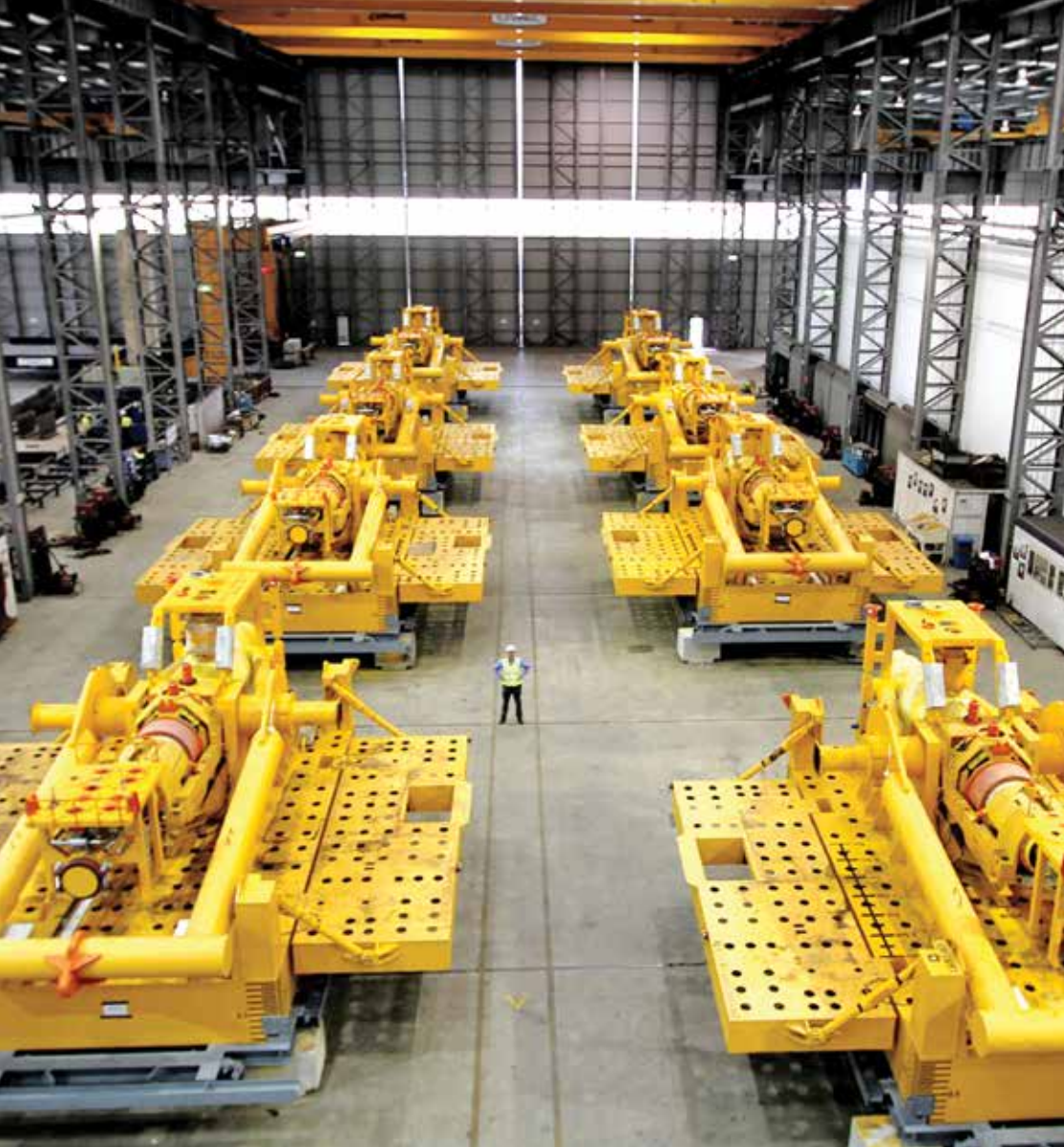
We are committed to working with local industry, actively communicating and engaging with the communities in which our projects are delivered, and ensuring capabilities are considered when planning work scope to optimise opportunities for local businesses and people.

In addition to providing local employment opportunities, we are also committed to making a difference through our various partnerships, sponsorships and donations. Our support over the years has seen us work with numerous charities and community groups, including:

- Cancer Council
- City to Surf
- CEO Sleepout
- ATSI Engagement
- St Vincent De Paul Society
- Movember
- National Tree Day
- Clean Up Australia Day
- Perth Children’s Hospital Foundation
- Wirrpanda Foundation
- Variety
- R U OK? Day
- Anglicare
- Euroz Big Walk
- Children’s Medical Research Institute
- Women’s Council for Domestic & Family Violence Services (WA)
- SOUL Inc.
- St. Patrick’s Community Support Centre
- Foodbank



OUR MARKETS



ENERGY



RESOURCES

OUR MARKETS (CONTINUED)



INFRASTRUCTURE



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MARINE & DEFENCE

ENERGY

Providing tailored solutions for upstream and downstream Energy projects, we can deliver in remote, highly challenging environments, offering innovative solutions to enable the fundamental project metrics of time and cost to be achieved.

With our multi-disciplinary capability, we fabricate and modularise specialist subsea equipment and support onshore processing plant requirements. We have the capacity to deliver works on site and from our Henderson facility, which includes dedicated exotic metals workshops, enabling us to produce high quality products without the threat of material cross-contamination. Our robust systems ensure we deliver quality products and services to the exacting standards required by the Energy industry.

Our significant capabilities in this sector include the fabrication and assembly, surface treatment and testing of high integrity structural steel, carbon and exotic stainless/duplex/inconel steel for piping; subsea spools, manifolds, PLET and PLEM structures; offshore jackets and topsides; suction piles; process modules; vessels; and propane and LNG spheres.

Through our involvement in some of the largest Energy projects undertaken in Australia, our expertise extends to the provision of multi-disciplined, in-house construction services, including structural, mechanical & piping; electrical, instrumentation & control; precast concrete solutions; thermal, acoustic and cryogenic insulation installation; refractory; and site civil works.

We specialise in delivering projects across the sector, including, but not limited to:

- energy plants (LNG)
- process and non-process infrastructure
- fuel stations
- compressor stations
- power stations
- materials handling systems
- wharfs and caissons
- tank farms.



RESOURCES

We provide a full turnkey service in the delivery of projects for the Resources sector, leveraging the synergies of our multi-disciplinary capability to provide our clients with cost and schedule efficiencies.

Having supported the delivery of some of the largest Resources projects undertaken in Australia, our vast capabilities to service this sector across greenfield and brownfield sites include the provision of construction, maintenance and shutdown services. Our offsite facilities and extensive range of plant and equipment allow us to fabricate, assemble, and install large structures and modules, providing benefits in productivity and schedule.

Our in-house capability allows us to deliver projects of all sizes, ensuring efficiencies are maximised through our turnkey delivery model. We specialise in sustaining capital and major projects across this sector, whilst we also have significant experience in speciality maintenance and shutdown services Australia-wide.

We deliver projects through various commercial models across the sector, including, but not limited to:

- process plants
- materials handling and conveyor systems
- power stations
- tailings facilities
- wharfs
- tanks
- fuel storage and refuelling stations.



INFRASTRUCTURE

Our expertise and diverse range of integrated services and capabilities has been instrumental in the successful delivery of some of Australia's most significant infrastructure projects.

Our state-of-the-art fabrication facilities in Western Australia and New South Wales enable us to reduce project risk, by precasting and modularising elements of the scope in a controlled environment, providing significant advantages that include reduced site working hours, optimum quality control, and the weather-proofing of critical schedule elements.

We are able to assist throughout numerous elements of the construction process, initially delivering detailed earthworks, civil and concrete services (including the manufacturing and installation of steel and precast structures, and in-situ concrete). We then leverage our multi-disciplinary capabilities, enabling us to support projects through our offsite fabrication, assembly and surface treatment services before our experienced teams deliver the structural, mechanical & piping and electrical, instrumentation & control scopes on site.

We specialise in delivering projects across the sector, including, but not limited to:

- roads and bridges
- stadiums
- airports
- ports and harbours
- water and wastewater infrastructure
- conventional power stations.



MARINE & DEFENCE

We provide the Marine & Defence sector with a fully integrated service offering for the construction, repair and maintenance of naval vessels and the provision of Defence Estate works. This is underpinned by our multi-disciplinary capabilities and state-of-the-art waterfront facilities.

Our facility in Western Australia is located within the Australian Marine Complex (AMC), providing protected deep water harbours and extensive multi-user loadout facilities. Our new assembly hall was designed to be one of the most efficient and innovative in the world. Standing at 70 metres high, it has the capacity to house large vessels, including complete Air Warfare Destroyers, Frigates and Offshore Patrol Vessels, for construction or maintenance.

Our west coast facility, together with our east coast facility, situated on the Hunter River near the Port of Newcastle and incorporating 535 metres of river frontage, enable us to provide a significant Marine & Defence offering to service the Australian and international markets.

Vessel Construction, Repair and Maintenance

We provide a comprehensive service for the construction, repair and maintenance of vessels of any size, with our integrated, self-performance capability, including heavy engineering, modularisation, specialised surface treatment and industrial insulation.

Defence Estate Works

As an integrated, multi-disciplinary construction and engineering services provider, we can also support the delivery of Defence Estate projects, including new construction projects, and facilities upgrade and maintenance works aimed at restoring or sustaining capability of existing facilities and infrastructure.



OUR SERVICES



HEAVY ENGINEERING



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SHIPBUILDING



MODULARISATION



**ELECTRICAL,
INSTRUMENTATION
& CONTROL**



MAINTENANCE



REFRACTORY

OUR SERVICES (CONTINUED)



**EARTHWORKS
& CIVIL WORKS**



**PRECAST & PRESTRESSED
CONCRETE**



**STRUCTURAL, MECHANICAL
& PIPING**



INDUSTRIAL INSULATION



SURFACE TREATMENT



ACCESS SOLUTIONS

HEAVY ENGINEERING

We have the capability to deliver projects of all sizes and complexities, ranging from structural and platework packages to intricate structures requiring specialist welding of exotic materials, such as titanium, stainless steels, duplex steel and copper alloys.

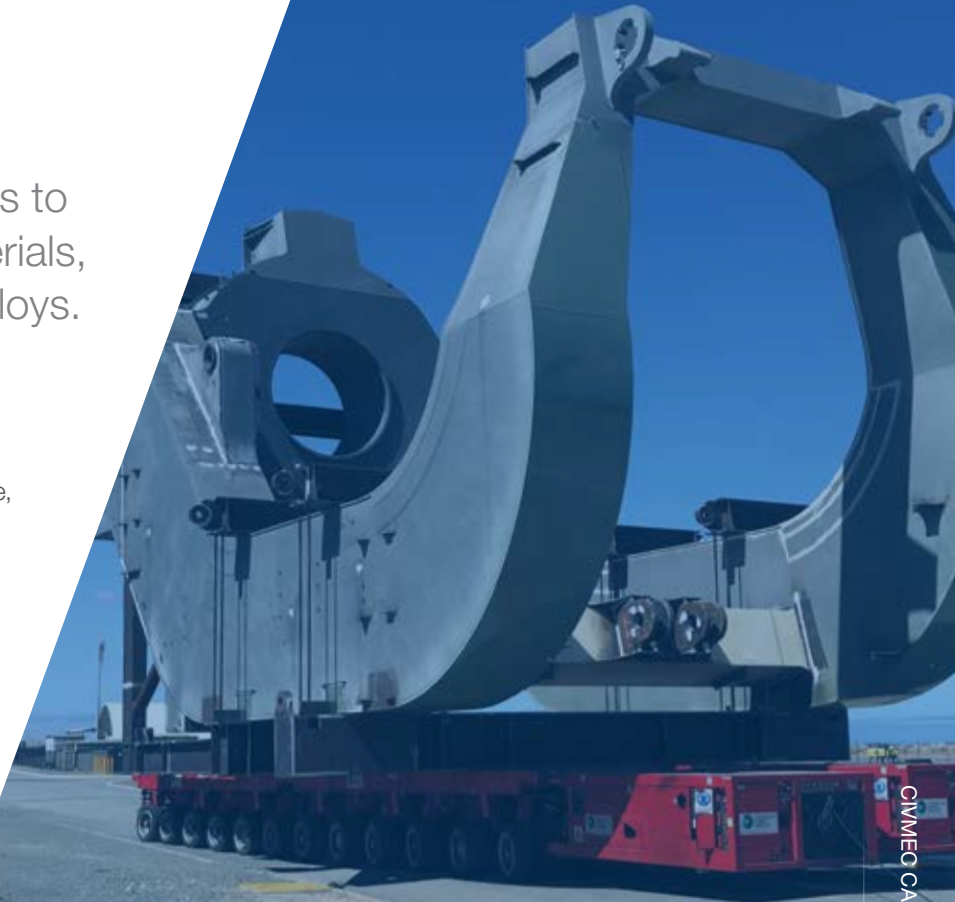
Our technically-advanced equipment includes pipe cutting, pipe bending, plate cutting, beam cutting, and drilling and rolling machines, providing precision capability across cutting, marking, scribing, bevelling, bending and rolling to extremely tight tolerances.

With an annual capacity of up to 80,000 tonnes at our Henderson facility and 35,000 tonnes at Newcastle, we are highly experienced and capable in the delivery of complex heavy engineering projects.

Our expertise includes:

- structural steel
- platework
- tanks
- vessels
- materials handling equipment
- subsea structures
- offshore structures
- pipe spooling.

Our facilities provide opportunities for clients to be based in our offices, facilitating collaboration and communication throughout project delivery.





SHIPBUILDING

Unlocking the value of local steel shipbuilding, we are investing in the skills and transfer of knowledge across the company, subcontractors and suppliers, to support the establishment of a competitive Australian shipbuilding industry and supply chain.

In February 2016, Civmec acquired Australia's largest privately-owned engineering and shipbuilding company, Forgacs, including its shipyard facilities and assets located at Tomago, New South Wales. The purpose-built shipyard is situated on the Hunter River, just 14 kilometres from the Port of Newcastle, with the 227,000 square metre site incorporating 535 metres of river frontage and two ship basins.

Our assembly hall on the west coast was designed to be one of the most efficient and innovative in the world, and delivered a new world-class resource to the Australian maritime landscape. Our investment in this facility aligned with the Australian Government's identification of Henderson as one of two suitable locations in Australia for the continuous build of naval ships and vessel maintenance.

These extensive waterfront facilities enable us to provide a comprehensive national service offering for the construction, repair and maintenance of vessels of any size, with our integrated, self-performance capability, including heavy engineering, modularisation, specialised surface treatment and industrial insulation.





MODULARISATION

Our expansive manufacturing facilities at Henderson and Newcastle enable large modular units to be fabricated and assembled offsite.

At Henderson, modular assemblies up to 29 metres wide, 18 metres high, and 150 metres long can be fabricated and assembled into single units in the centre bay of our fabrication hall, with increased modularisation capacity up to 42 metres wide, 60 metres high, and 187 metres long in the centre bay of our assembly hall.

Modules can be efficiently transported to the 3,000-tonne, 6,000-tonne, and 15,000-tonne wharves located only 500 metres away, with the use of onsite 4,600-tonne capacity self-propelled modular transporters, without the need to cross any public roads. The proximity to these loadout wharves within the Australian Marine Complex expedites the shipping of large integrated modularised structures by reducing complex route surveys and permit delays associated with the use of public roads.

At our Newcastle facility, the capacity of our main bay enables modular assemblies up to 22 metres wide, 9.5 metres high, and 136 metres long, which can be transported to the barge loadout basin located within our facility, without crossing any public roads. The facility is also in close proximity to main motorways and freeways, allowing ease of access to nearby Sydney via road.





EARTHWORKS & CIVIL WORKS

Our civil works are industry-leading, delivering innovative construction methodology and techniques, supported by our extensive range of plant and equipment to drive productivity and efficiency.

Our services include:

- bulk and detailed earthworks
- reinforcing steelwork
- formwork
- cast-in embedments
- concrete placement
- backfill and compaction to final handover
- underground services (water, power).

We are experienced in the delivery of mine development works; structural foundations for processing plants; road construction, including reconstruction and alignment; culverts and drainage structures; tailings dams and water storage facilities; wharf developments; and concrete structures and structural walls.

Leveraging our precast concrete operations, we can also offer alternative site construction methods to deliver site labour efficiencies across our projects.





PRECAST & PRESTRESSED CONCRETE

We manufacture reinforced concrete products of all sizes and complexities, produced from our Henderson and Newcastle facilities, or at remote set-ups close to site.

Our high-quality precast and prestressed concrete is manufactured to tight tolerances, adhering to stringent specifications associated with concrete mixes and controlled curing temperatures. The precast business draws on our steel fabrication capability to manufacture custom steel formwork.

With the use of our in-house synchronised gantry cranes, specialist jacking systems and onsite heavy transporter, we can provide our clients with large, single load heavy lift and loadout solutions.

Our services include:

- prestressed beams
- parapets
- structural foundations
- tanks and caissons
- floor slabs and retaining walls
- suspended slab sections
- breakwater systems
- fascia and noise wall panels
- conventional reinforced girders
- transfloor panels
- tunnel segments
- bridge beams.



STRUCTURAL, MECHANICAL & PIPING

We undertake complex site structural, mechanical & piping (SMP) projects for the Energy, Resources and Infrastructure sectors.

We have extensive experience in a variety of delivery models, including lump sum, schedule of rates, alliance, turnkey, and early contractor involvement (ECI). Supporting our onsite SMP delivery is our capacity to provide offsite manufacturing, modular assembly and pre-fitout solutions from our heavy engineering facilities which can deliver significant cost and schedule benefits.

Our services include:

- structural assembly and erection
- mechanical installations and alignments
- site welding
- piping installation
- pre-commissioning support.

We have the capacity to mobilise quickly, undertaking site installation projects across Australia, including in remote locations. This is supported by our extensive range of in-house plant and equipment, with crange up to 500 tonnes.





ELECTRICAL, INSTRUMENTATION & CONTROL

We are a licensed electrical contractor delivering turnkey electrical, instrumentation & control solutions (EIC), including delivery of substations, switchrooms, switchyards and site reticulation. We also provide comprehensive maintenance and turnaround support.

Our services include:

- electrical and instrumentation cabling installations
- fibre optic and communications cabling installations
- high voltage (HV) cable installation, joins and terminations
- switchgear and control system installations
- underground cabling and conduit systems
- automation and control
- instrumentation tubing, calibrations and loop checks
- hazardous area installations and inspections
- area lighting
- cable ladder, ducting and conduit installations
- pre-commissioning and commissioning.





BBST

BBST1001.ELED.JB04

BBST1001.ELED.JB04

MAINTENANCE & TURNAROUNDS

Our broad capabilities enable us to provide end-to-end maintenance and turnaround solutions to the Energy and Resources sectors.

Working collaboratively with our clients to optimise operational performance, we provide a multi-faceted delivery model across specialised mechanical, electrical and industrial services, including high risk, critical activities, such as refractory, surface treatment, insulation and access solutions.

Our experienced team successfully undertakes inspections, repairs and upgrades across a variety of assets, not limited to, conveyors, train loadout facilities, ship loaders, tanks, mills, kilns and a variety of other process and non-process infrastructure.

Our capability extends to:

- contractor management
- engineering support
- planning, estimating and scheduling
- minor works
- sustaining capital works
- optimisation and equipment upgrade projects
- major and modular shutdowns
- campaign and turnaround services
- emergency repair and replacement.

Leveraging our national footprint and leading-edge facilities, we are able to provide integrated solutions to our clients, delivering world-class plant availability, reliability and production, whilst simultaneously reducing operational expenditure.





REFRACTORY

Our experienced team of refractory specialists deliver complex refractory projects, performing works to international best-practice standards.

With extensive experience across all sectors, we can provide comprehensive solutions for our clients' diverse refractory requirements.

Our refractory team offers a complete range of services, from minor repairs to large construction projects, including:

- refractory demolition
- installation
- technical services
- project management
- material selection and pre-qualification
- pre-planning
- procurement
- condition monitoring.

As specialists in the delivery of refractory works, we are continuing to improve and innovate how we execute projects. This includes replacing visual inspections with 3D scanning technology to capture data on assets such as calciners (internal and external) providing a comprehensive understanding on their condition. This data can then be utilised to refine future scopes, assisting with predictive maintenance strategies going forward.

Implementation of this technology provides safety benefits along with operational improvements. It allows for the development of 3D models with virtual reality capability, facilitating inspection in a virtual world to scope future repairs within extremely high tolerances. This provides a baseline for future scans, comparing deviations and facilitating condition monitoring over time.

In addition to 3D scanning we are also investing in robotics. Refractory upgrade and replacement works are complex, with the demolition process carrying significant risks that must be fully scoped and mitigated against. Utilisation of robots allow us to undertake demolition works remotely as they are controlled from outside the vessel, significantly reducing safety risks and driving efficiency.





INDUSTRIAL INSULATION

We specialise in the application of all types of insulation systems.

This includes:

- thermal
- acoustics and noise protection
- cryogenics
- cold shoes
- insulation mattresses
- elastomeric foams
- aerogels (nanotechnology).

Key services supporting this application include:

- selection and procurement of material
- inspection and rectification of corrosion under insulation
- sheet metal fabrication
- cladding fabrication (using Mabi Bingo 2)
- HVAC (fabrication, insulation and installation)
- site installation
- processing and forming technology.

We deliver these complex services for tanks, vessels and piping within LNG, CO₂ and ethylene plants, refineries, power stations, acid and chemical plants, and high temperature mineral processing facilities. This is supported by our specialised equipment, including a Mabi machine, which provides accuracy, efficiency and speed for the cutting of stainless steel and other materials.





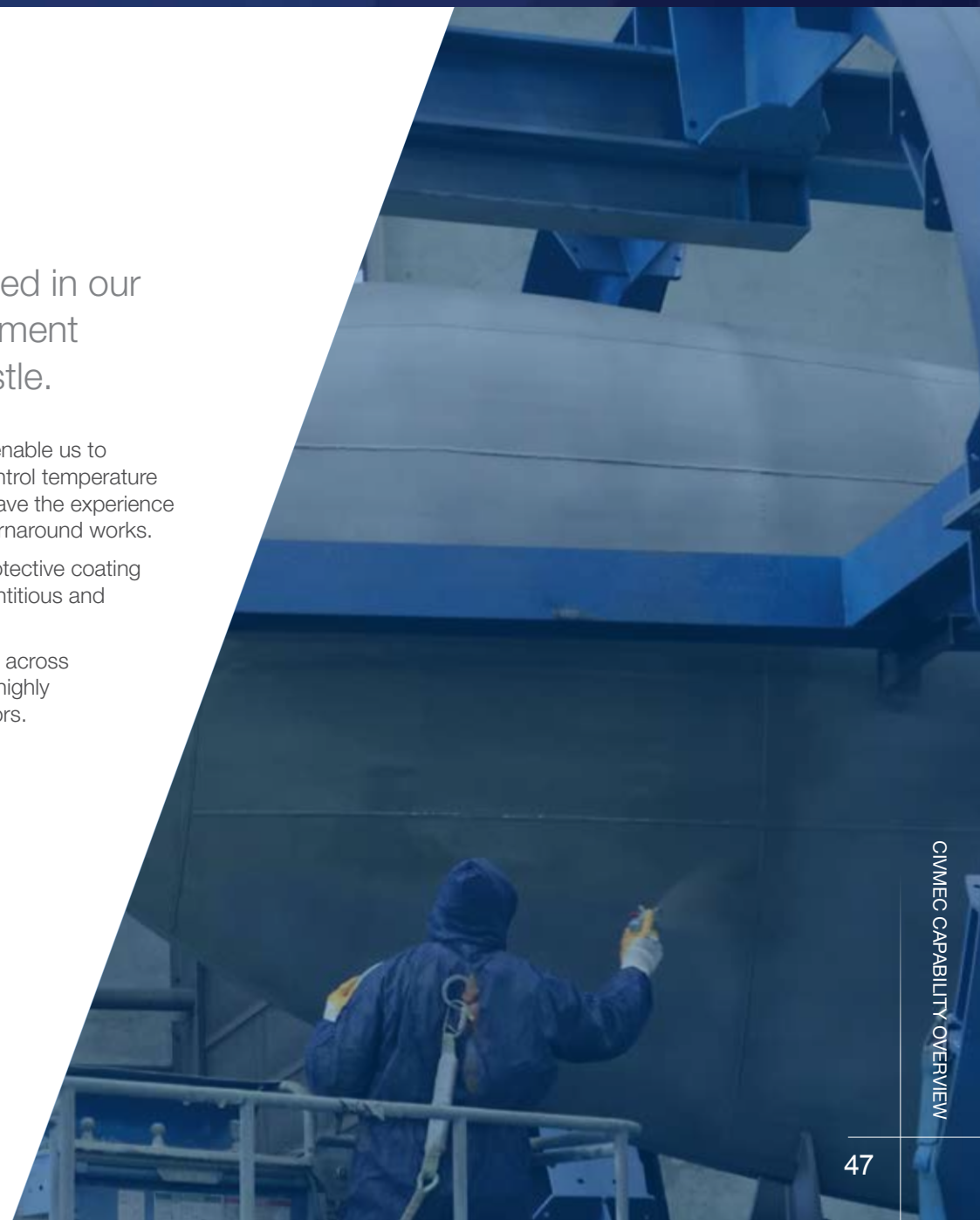
SURFACE TREATMENT

Abrasive blasting and painting activities are performed in our industry-leading facilities, with multiple surface treatment workshops located at both Henderson and Newcastle.

These specialist facilities, capable of fully recycling garnet from blasting activities, enable us to undertake this meticulous activity in a stable environment where we are able to control temperature and ambient conditions, ensuring quality and productivity is maximised. We also have the experience and capability to provide onsite surface treatment services for maintenance and turnaround works.

Our specialist team delivers a comprehensive range of surface preparation and protective coating application services, including corrosion rectification and application of both cementitious and intumescent fireproofing systems (Chartek approved).

We utilise more than 20 systems, including international and PPG, with experience across both high and low temperature equipment. All applications are undertaken by our highly experienced crews with the inspections completed by our qualified NACE inspectors.





ACCESS SOLUTIONS

We provide a comprehensive range of access solutions, supported by our advanced scaffold management software.

With a focus on delivering innovative solutions, we continually challenge traditional methods, considering alternatives such as fabricated platforms, rope access and netting systems. We have vast experience in executing a large range of scaffolding systems (Kwikstage, Tube and Clip, Layher), enabling us to work with our clients to deliver best-for-project solutions.

Using Avontus scaffolding software, we can automate scaffold drawings in 3D, allowing the bill of quantities to be easily determined and innovative design solutions to be realised. Our scaffolding teams proactively work with our clients to identify innovative, value-driven solutions, resulting in reduced project costs and improved productivity through:

- engineering design
- identifying best-for-project solutions
- considering alternative access solutions, for example, rope access and tension netting
- utilising our heavy engineering capability to produce alternative fabricated platforms.





CONTACT INFORMATION

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