

Capability Overview

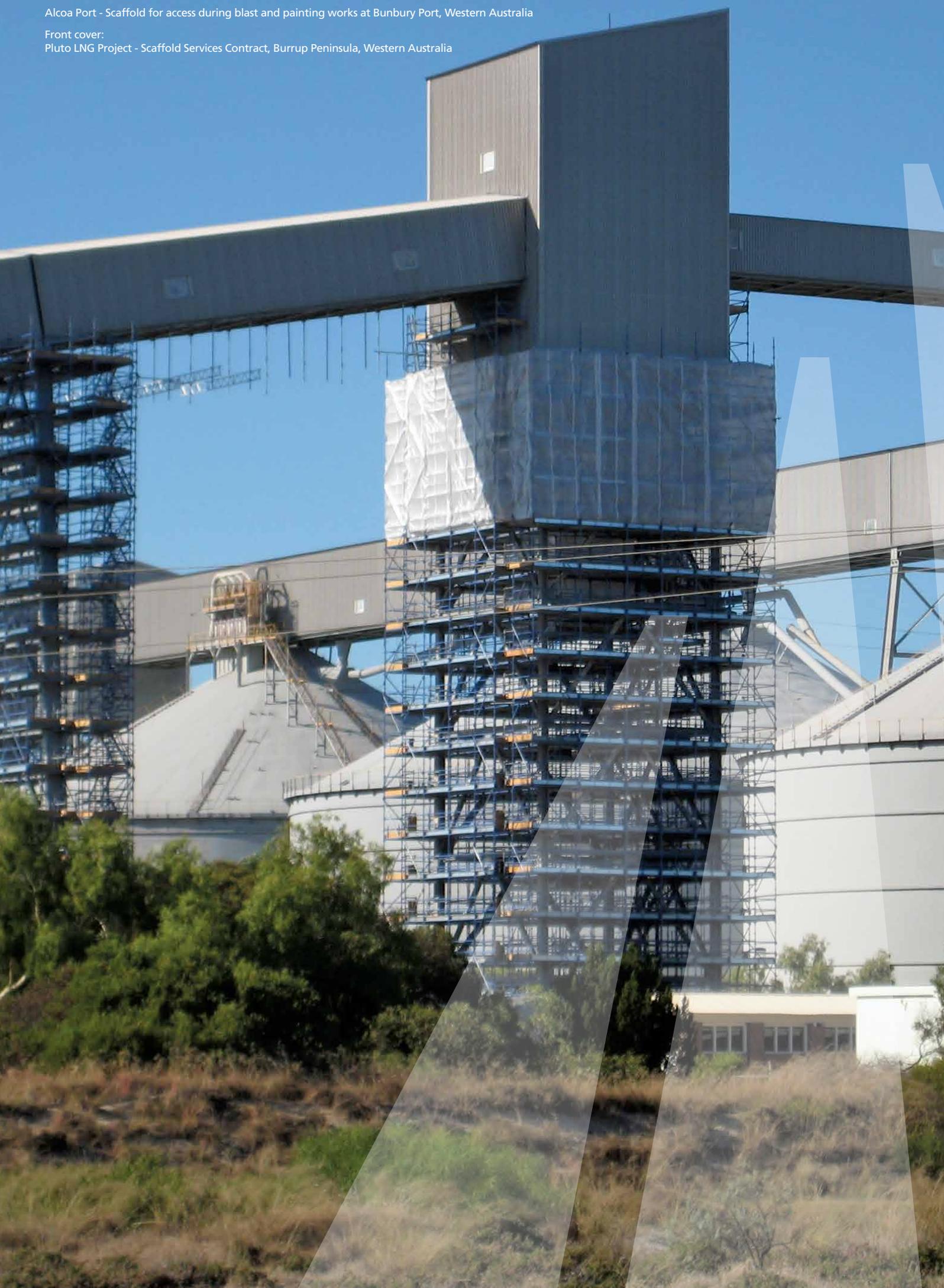
Our values. Our people. Your needs



Alcoa Port - Scaffold for access during blast and painting works at Bunbury Port, Western Australia

Front cover:

Pluto LNG Project - Scaffold Services Contract, Burrup Peninsula, Western Australia



Access services

Providing
cost effective
solutions.

MAS is a leading provider of access and integrated services for engineering, construction and maintenance projects in the energy, industrial and mining sectors. We work with our clients across Australia and South East Asia to safely deliver the world's largest and most technically challenging projects. Through our flexible methodology, we are able to meet demanding and complex schedule requirements.

Our extensive capabilities range from engineering and design services, labour supply and stock control through to logistics and transportation. No two projects are the same and we have the ability to provide clients with the highest quality services in the most remote locations.

Our scaffolding and rope access services are supported by a suite of integrated services. This minimises the need for additional interface management and offers cost and schedule reductions.

Our services

Access services

- Scaffold systems
- Scaffold management
- Rope access
- Design, planning and engineering
- Logistics
- Labour supply
- Training programs

Maintenance

- Core maintenance
- Shutdown planning and management
- Mechanical services
- Minor capital works
- Painting, insulation, fireproofing
- Refractory

Construction

- Structural, mechanical, piping and installation for upstream and downstream
- Materials handling
- Experience in assembly of prefabricated modules
- Offshore construction
- Mechanical services
- Minor capital works
- Painting, insulation, fireproofing
- Refractory



Our clients trust us to provide quality scaffolding services.

Scaffolding

MAS's extensive scaffolding range includes modular, tube, fitting and aluminium products. These are manufactured and maintained in accordance with rigorous international standards for safety and reliability.

Our modular scaffolding system is easy to assemble and offers a higher efficiency rating than traditional systems. All our scaffolding equipment is uniquely identified through our branding and colour-coding system which provides clarity and efficiency.

In addition to the supply of material, we provide highly skilled and expert teams for management, supervision and installation of scaffolding and associated services.

Our services

- Scaffolding engineering and design services
- Scaffold planning and scheduling
- Scaffold management systems and stock control
- Hire and sales of scaffold equipment
 - _ Conventional Tube & Fitting
 - _ MAS Steel Decking System
 - _ Modular System Scaffold
 - _ Kwikstage
 - _ Ring System
 - _ Aluminium
- Scaffold tooling sales
- Large network/pool of skilled personnel
- Logistics and transportation
- Training services



Reducing the risk for our people and our clients.

Rope access

Our rope access services significantly reduce the risks associated with working in confined spaces and working at heights. MAS is an operator/trainer member of the preferred system for rope access around the world, Industrial Rope Access Trade Association (IRATA).

Through these stringent training programs, our employees are certified to IRATA standards.

Rope access is a safe, quick work positioning technique used to access and perform tasks at height. The primary goal of rope access is to carry out tasks with no incidents, accidents, dropped objects or dangerous occurrences.

Service offering

- Net tensioning 'safety nets'
- Rigging
- Scaffolding
- Installations
- Welding/boiler making
- Mechanical fitting
- Digital inspection and reporting
- NDT / NACE
- High pressure water blasting
- Abrasive blasting
- Painting, insulation and fire-proofing - off rope
- Electrical
- General maintenance and repair
- Standby rescue
- Difficult confined space works



Painting, insulation and fireproofing

We are committed to helping our clients.

With expertise in the application of protective coatings and passive fire protection, MAS and its partners have over 29 years of experience in delivering support services to clients across some of the world's most demanding projects.

We have a comprehensive understanding of the numerous protective coating systems available and are proficient in the methods of application. From preparation through to application, no aspect of the process is compromised, ensuring the integrity of our coatings and fireproofing are maintained over time.

Passive fire protection

MAS can offer the following passive fire protection applications:

- Cablesealing
- Pipe penetrations
- Cladding for ducting
- Fire protection coatings, enclosures, facades and windows
- Cementitious cladding to structures
- Intumescent fireproofing to structures, vessels and pipework
- Non-flammable pipe insulation

Industrial protective coatings

With the right capability and resources, we can deliver cost effective, efficient and safe solutions for surface preparation and coating projects.

MAS offers an extensive range of applications off-rope, for the following:

- Process and storage equipment
- Pipework
- Structural steel
- Tank linings
- Floors and walls
- Ceilings and roofs

Industrial painting and blast cleaning projects can be executed on site or off site, using the safest and most suitable preparation techniques. These include; mechanical protection, ultra-high pressure water with abrasive option, dry blasting and hand preparation.

Working together with product suppliers, we provide advice in regards to the best coating for specific applications with methods from brush and roll to all types of spray equipment.

Insulation and sheet metal work

Together with our partners, MAS can supply, fabricate and install all insulation systems in accordance with client specifications and project requirements including:

- Acoustic
- Cold conservation
- Cryogenic
- Heat conservation
- Personnel protection



MAS is an approved IRATA training company.

Training

MAS is focused on training and developing people, encouraging growth and career progression. Our scaffolders are trained in-house, with the capability to service our clients to the highest standard. We also provide external training through internationally recognised RTO provider as required.

MAS offers rope access certification and training options under the IRATA guidelines and standards. As the safest method of working at heights, we value the skills required to perform various rope access disciplines with the highest regard for safety.

All training is performed by experienced and fully certified Level III rope access trainers at our dedicated training facilities in Bayswater, Western Australia.

IRATA has three levels of qualification for rope access technicians:

Level 1 Rope Access Technician

Who is able to perform a limited range of rope access tasks under the supervision of an IRATA L-3 rope access technician.

Level 2 Rope Access Technician

Who is capable of rigging working ropes, undertaking rescues and performing rope access tasks under the supervision of an IRATA L-3 safety supervisor.

Level 3 Rope Access Technician

Who is capable of site supervision for rope access work projects; is able to demonstrate the skills and knowledge required of Levels 1, 2 and 3; is conversant with relevant work techniques and legislation; has a comprehensive knowledge of advanced rescue techniques; holds a current first aid certificate and has knowledge of the IRATA certification scheme.



Safety and quality

We strive for continuous improvement by engaging and encouraging our people.

Our clients can have confidence in the quality and reliability of our products and services. Through an experienced workforce, MAS can provide verified systems to suit the requirement of each project.

We are the owners and suppliers of our scaffolding material, ensuring ongoing compliance and maintenance of our labour and materials. Our Quality Management System is accredited to ISO9001:2015.

All products are fully serviced and inspected in between projects. An accredited maintenance and materials management system ensures all material is supplied in optimum condition.

Our quality standards extend to include our people. We employ and train our own workforce, ensuring the highest standards. Our teams comprise of local people with international experience.



Perfect Day

We never compromise on safety

Our Perfect Day philosophy encourages our people to achieve zero harm, one day at a time. By creating an effective link between workplace safety and personal lives

MAS have adopted Perfect Day as a symbol of HSE Performance Excellence. A Perfect Day can be described as *'A day where there are no injuries or incidents, there is no harm to the environment, and all employees go home in the same state, if not better than they arrived.'* Every day we achieve this is a Perfect Day.

MAS has achieved exemplary safety standards. A day where there are zero injuries or incidents and no harm to the environment is a Perfect Day. Through our innovative approach, we are able to deliver projects with zero LTI's. Our systems are supported by AS4801, ISO 14001 and OHSAS 18001 certification.



Our founding leadership team has driven innovation from the beginning.

Innovation

MAS was founded in 2008 by a core group of scaffolding specialists who had a desire to change the way access services were delivered for their teams and clients. Implementing their first five innovation initiatives that year, the same leaders continue to inspire their people to share their ideas for innovation, and then support them to put the ideas into action.

We believe innovation is built upon people, not technology

Our people are our greatest asset, and together we lead from the front and find new solutions to traditional tasks. We have a strong focus on encouraging our people to have the courage to challenge accepted practice - a commitment to innovation is imperative to building collaborative and high performing teams.

Many of our innovations have come about through direct workforce collaboration.

The safety of our teams is what motivates us

As a leading access services provider, MAS has worked on some of Australia's most challenging projects. The nature of our work - working at heights on major hazard facilities, being responsible for providing safe access for our people and other teams - means we truly appreciate that the highest level of risk is borne by our frontline workforce. For this reason, reducing the potential safety risk to our people is our primary driver for innovation.

We understand the unique requirements of our clients

Innovation has become a base expectation from our clients. As the Australian resource market completes its transition from unprecedented construction activity into operations and maintenance, our clients are focused on deriving maximum value from their assets and service providers.

Our objective is to provide safe and innovative solutions to meet and exceed our clients' requirements. We understand that any saving in time for our clients ultimately helps them be more productive with less interruption time, which also reduces their costs.

We are always looking at ways to innovate in all areas like:

- Products
- Services
- Technology and Systems
- Health & Safety Initiatives



MAS facilities

Strategically located across Australia and South East Asia.

Australia

Our MAS facility in Bayswater, Western Australia is the primary logistics hub supporting MAS regional branches in the south west of Western Australia as well as Karratha, Darwin and Gladstone. MAS's Australian locations are well positioned to service some of the country's largest projects. In addition to on-site training capability, these locations have over 26,000 tonnes of scaffolding and a combined 40,000m² laydown yard.

South East Asia

We have a proven track record in executing large module and facility construction and turnaround projects for both upstream and downstream oil & gas and manufacturing clients in South East Asia. To support our clients and the large scale projects in the region, we have strategically placed facilities in Thailand, Malaysia and Singapore, providing us with the capability to support our international clients throughout the region.

MAS Thailand is supported with a laydown and workshop facility covering 15,000m³, including a dedicated training facility for the enhancement of our employee skillsets and ongoing training for new starters. We have over 4,000 tonnes of scaffolding on hand.

MAS Singapore is located in Tuas, a regional hub for petrochemical, oil & gas and refining operations in the area.

MAS Malaysia has a central office in Kuala Lumpur and a yard in Johor Bahru with more than 3,000 tonnes of material on hand.



Project experience



JKC - INPEX - Ichthys Project Onshore LNG Facilities

Client: JKC Australia Pty Ltd
Location: Bladin Point, Northern Territory
Contract: March 2014 - August 2018

MAS Australasia Pty Ltd was awarded a scaffolding works contract for the INPEX-operated Ichthys LNG Project. MAS are providing scaffolding assets comprising of management, design and engineering, scaffolding material supply and installation services to the LNG process and inlet areas at the Ichthys Project Onshore LNG facilities for JKC Australia.

JKC was contracted to deliver the engineering procurement and construction of the onshore facilities including the gas processing plant at Bladin Point.



Image courtesy of Chevron Australia Pty Ltd

Chevron-operated Gorgon LNG Project

Client: CB&I and Kentz Joint Venture (CKJV)
Location: Barrow Island, Western Australia
Contract: July 2013 - February 2017

MAS Australasia Pty Ltd secured a contract with CB&I and Kentz Joint Venture (CKJV) on the Chevron-operated Gorgon Project for ongoing scaffolding and associated services. This contract was extended in December 2015.

MAS has been commissioned to erect multi-purpose scaffolding which will be used to provide access for insulation, painting, installation and other works undertaken on Barrow Island.

The scope also includes the provision of key management personnel and the use of a specialised in-house Scaffold Management System. MAS will also assist with the planning, design, engineering and coordination of scaffolding on the project.



Image courtesy of Chevron Australia Pty Ltd

Chevron-operated Wheatstone Project HUC

Client: Clough Projects Australia Pty Ltd
Location: North West Shelf, Western Australia
Contract: October 2014 - June 2018

MAS Australasia Pty Ltd (MAS) was awarded the contract for the supply of access services for Clough Projects Australia Pty Ltd for the offshore hook-up and commissioning component of the Chevron-operated Wheatstone Project.

Over the past 17 months, MAS have been providing scaffolding, rope access, labour, materials and design to support the pre-investment activities at the DSME fabrication yard in South Korea, and its offshore phase located in the North West Shelf. These activities include; pre-commissioning, commissioning of the integrated topside platform float over, offshore hook-up and start-up assistance.

The MAS project team deliver and support activities based in Perth, while technical frontline teams have been mobilised to support the execution of services both in South Korea and the offshore platform located 225km from Onslow.

MAS Project Experience continued



Bibiyana Expansion Project

Client: Chevron

Location: North Eastern Bangladesh

Contract: April 2013 to July 2015

The Bibiyana expansion project involves the installation of two new gas processing trains, additional development wells and an enhanced liquids recovery facility.

In 2013 MAS Thailand was awarded a contract for materials sales, competency training and the provision of labour for scaffold services for the two new gas trains on the project. An eight person Thai management team was provided on the ground at Bibiyana to train the locally engaged workforce and manage the day to day scaffold requirements on the project.

Over the course of the project, over 150 local workers were trained in accordance with the United Kingdom's CITB competency standards, completing over 600,000 man hours without a Lost Time Injury.



GLNG Modules - Scaffold Material Supply

Client: Bechtel Oil, Gas & Chemicals Inc.

Location: Batangas, Philippines

Contract: December 2012 - September 2014

Bechtel Oil, Gas & Chemicals, Inc have constructed, assembled and shipped the modular steel structures in Batangas, Philippines for the GLNG Project. A total of 111 modules of varying size up to about 2,500 tonnes, 75m long and 30m high have been completed and shipped to Gladstone Queensland Australia over a 21 month period.

MAS supported the Project by providing scaffolding material directly to Bechtel for the Philippines.

Scope included provision of approximately 3,800 tonne of materials from the MAS Singapore and MAS Bayswater operations, along with technical advice and scaffold design and engineering when required.



Pluto LNG Project

Client: Foster Wheeler WorleyParsons (FWW)

Location: Burrup Peninsula, WA

Contract: June 2009 – 2012

The Pluto LNG plant was built in module format which were shipped to site in over 250 pieces, to the Burrup LNG Park, Karratha, WA. MAS were awarded a contract to supply scaffolding material and labour on the project's LNG Train and GTG units.

The work was completed over a 16 month period with a peak workforce of approximately 250 personnel and peak scaffolding material of 4,700 tonne.

MAS

34 Clune Street
Bayswater 6053
Western Australia
T +61 8 9379 7222
F +61 8 9379 7223

206 Coolawanyah Road
Karratha 6714
Western Australia
T +61 8 9143 1123

Bunbury

Lot 1 South Western Highway
Picton 6229
Western Australia
T +61 8 9726 0074
F +61 8 9726 0073

Darwin

26 Farrell Crescent
Winnellie 0822
Northern Territory
T +61 8 6210 4875
F +61 8 8930 6511

Queensland

16 Dennis Street
Boyne Island 4680
Queensland
T +61 7 4973 2411
F +61 7 4973 3991

Modern Access Services Singapore Pte Ltd
12 Tuas Avenue 1
Singapore 639497
T +65 6862 1971
F +65 6862 5182

Access Australasia Sdn Bhd
B1-6-2
The SOHO Suites KLCC
Jalan Perak
Kuala Lumpur 50450
T +603 2181 7991
F +603 2181 0994

Malaysian Yard

Lot 8728 Mukam Rimba Terjun
Jalan Perindustrian 2
Kawasan Perindustrian
Pontian Johor 82000
T +60 7686 3233
F +60 7686 0627

AusGroup Corporation Co. Ltd
209/36 M. 10 T.
Tungsukhla, A. Si Racha
Chonburi 20230
Thailand
T +66 (0)33 047 009
F +66 (0)33 047 010

MAS Australasia Pty Ltd
www.masastralasia.com