

CAPABILITY STATEMENT

PILING AND FOUNDATION SPECIALISTS



 **BROWNS
PILING**

Acknowledgement of Country

Browns Piling acknowledges First Nations Australians as the Traditional Owners of the land and sea upon which we work. We recognise their living cultural and natural landscapes and pay our respects to Elders past, present and emerging.

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COMPANY OVERVIEW

Browns

Established in Victoria since 1988, Browns has proven ourselves as a piling and foundation specialist for construction projects across a variety of sectors – and trusted by some of the most recognised brands in the Australian building and construction industry.

With a proud reputation in the design and delivery of complex retention and foundation piling solutions, Browns is also a highly sought after contractor for the delivery of a diverse range of contracting capabilities, including:

- Design Engineering
- CFA Pile installation
- Bored Piers
- Ground Anchors
- Jet Grouting
- Soil Mixing
- Contiguous & Secant Pile Walls
- Slope Stabilisation
- Geothermal Drilling
- Dynamic Pile Load Testing
- Quality Assessments
- Permanent & Temporary Cased Piles
- Soil nails
- Integrity Testing
- Sheet Piling
- Soldier Pile Walls
- Water Boring
- Soil Investigation

ACQUIRED BY DELTA GROUP IN 2022, BROWNS IS UNIQUELY POSITIONED TO SUSTAIN GROWTH ACROSS KEY COMMERCIAL, PUBLIC INFRASTRUCTURE AND RESIDENTIAL SECTORS, AS WELL AS TO MEET GROWING DEMAND FOR RENEWABLE ENERGY AND TRANSMISSION ASSETS IN REGIONAL AND REMOTE AREAS – AUSTRALIA WIDE.

PEOPLE

Peter Greenstreet MANAGER

Peter began with Browns in 2007 from Digga Australia. After 15 years in a variety of operational roles, he assumed management of the business following its acquisition by Delta Group in 2022. Peter continues to drive change in support of rapid growth as well as identifying new geotech solutions to meet ever changing industry and client requirements.

Alan Brown COMMERCIAL & OPERATIONS SUPPORT

Alan founded Browns Piling in 1988 and is a highly respected and experienced field leader. He has overseen the growth of the business from sole trader to what we are today and is recognised industry wide as a piling specialist and capable of finding a solution to some of the most complex piling challenges.

Jason McFarlane ESTIMATING & NEW BUSINESS

Jason joined Browns in 2005 and has led our estimating and commercial tendering team for nearly 20 years. He has played an instrumental role in designing new methodologies to meet both sector and site specific requirements.

Brad Pedler DESIGN MANAGER

Brad started with Browns in 2007 from Coffey Geotechnical. He has played a leading role in developing our Design & Construct capabilities that have allowed Browns to strengthen our reputation for client-focused geotech solutions.

Rick Hayes FIELD OPERATIONS

Rick joined the Browns operations team in 2009 and worked his way through the ranks to Senior Foreman before assuming a management role – in partnership with Katelyn Brown - of all field operations across metropolitan Melbourne and regional Victoria.

Katelyn Brown LOGISTICS/ OPERATIONS

Kate started with Browns in 2018 and has worked in our operations division ever since. Today, Kate leads our logistical operations, working closely with Rick and our project teams to ensure our work programmes are delivered on time, on budget and without incident

An aerial night photograph of a city construction site. In the foreground, a large crane stands on a dirt lot next to a yellow excavator. A parking lot filled with cars is adjacent to a modern building with a curved roof. In the background, a dense urban skyline is visible under a twilight sky, with several construction cranes and illuminated buildings.

BROWNS PILING

CAPABILITIES

FOUNDATION SOLUTIONS

CFA Piles

Browns specialise in Continuous Flight Auger (CFA) piles - up to 50m+ deep and between 300mm and 1,200mm in diameter. CFA piles are constructed by pumping concrete down a hollow stemmed auger and cast "in-place" to deliver a more efficient solution in weak ground conditions.

Bored Piles

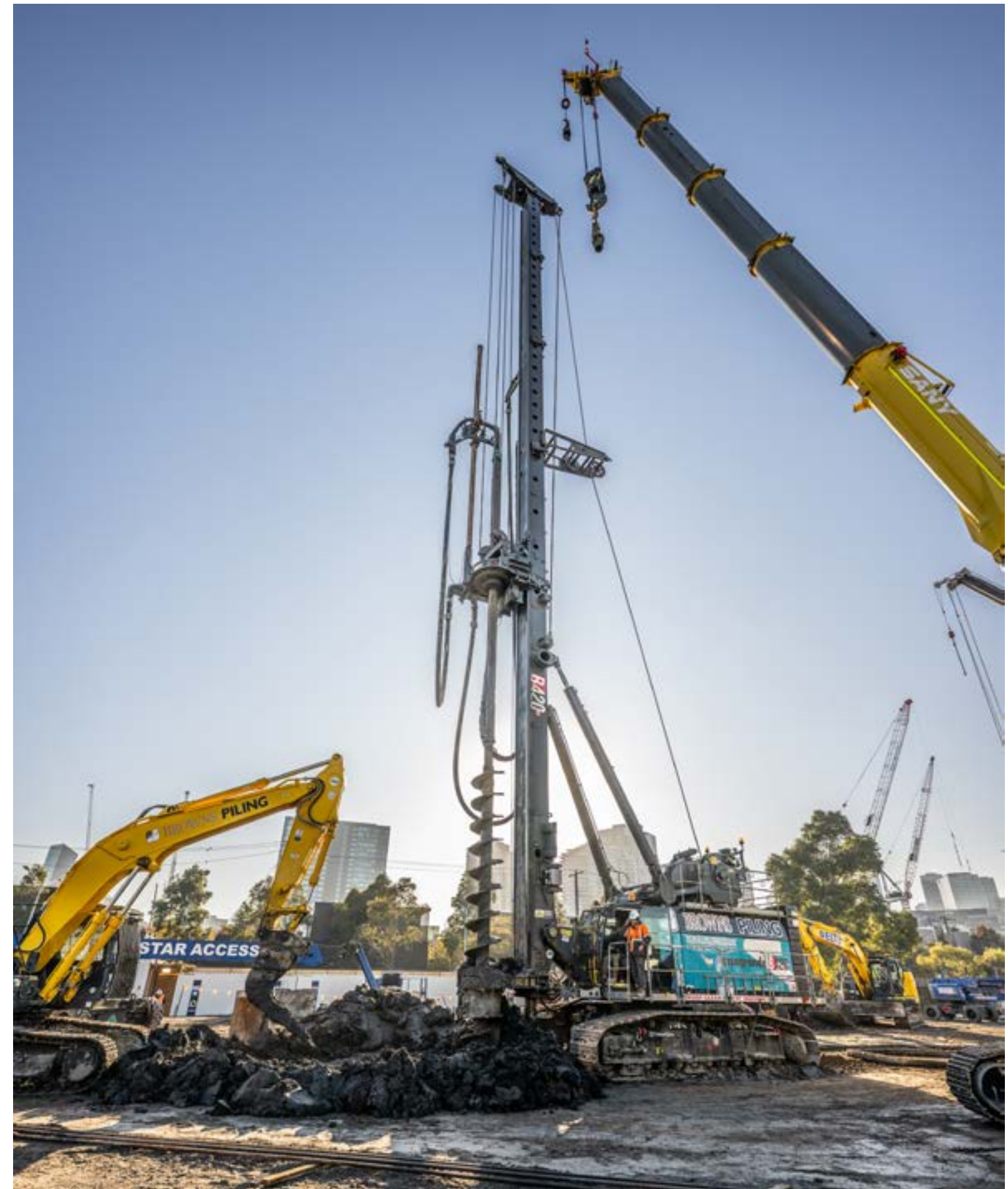
Ideal for heavy horizontal and vertical loads, bored piles are used for retaining walls, foundations or capped piles. Also cast "in-place", between 300mm and 2,100mm in diameter, they are most commonly suited to deep excavations that adjoin other structures as well as tunnels, roads and bridges. Bored piles are suitable for all ground conditions and a range of load cases, such as uplift and tension to the lateral load.

Rock Drilling

Core barrels are suited to deflecting layers or irregular surfaces and are designed to deal with hard rock or where reinforced concrete and masonry impede other methods.

Micro Piles

Micro piling works are common where geotech conditions or soil profiles are highly variable across a site and will support a range of loads and structures.





FOUNDATION SOLUTIONS

Permanent & Temporary Casing

Most commonly found in deep bored piling and unstable ground conditions, or retention systems involving contiguous and secant piles. Temporary or permanent casing is also utilised during drilling.

Jet Grouting

A common soil reinforcement method for controlling and reducing sediment underneath structures. Jet grouting is also suitable for increased bearing capacity, installing retaining walls and underpinning existing structures.

Soil Investigation

Soil investigations will determine settlement rates, the position of the water table, and bearing capacities across a project site.

RETENTION SOLUTIONS

Sheet Piles

Sheet piling provides temporary support for excavations of basement structures and are also common to specialist marine or riverbank protection works.

Secant Piles & Contiguous Piles

Secant and Contiguous Piles are used to support loads (from adjacent structures) when constructing below ground structures up to site boundaries and for deep CBD basement excavations.

Soldier Piles

Soldier Piles are used to lower the ground level in front of the wall, with the height increased with ground anchors or propping.

Ground Anchors

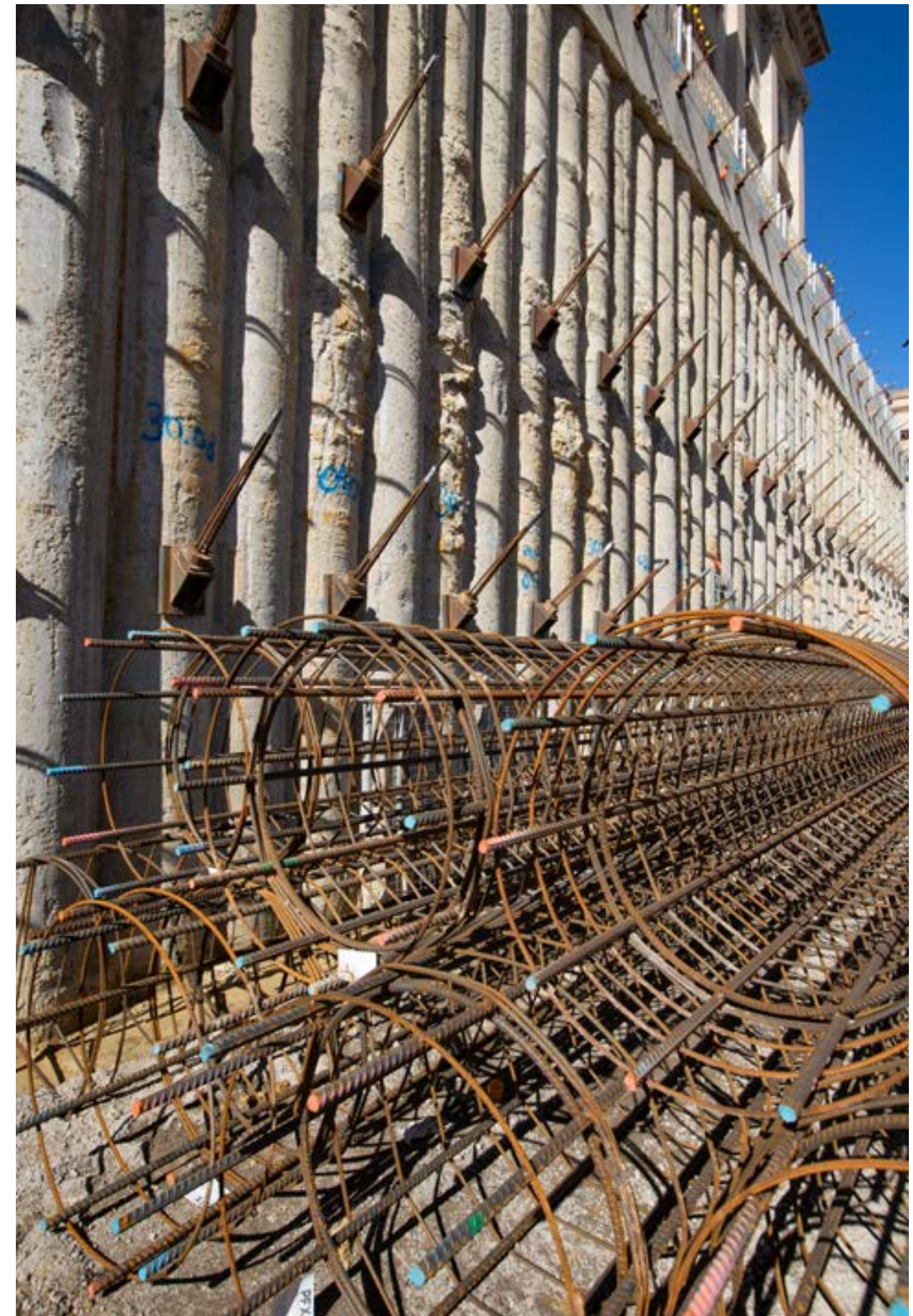
Ground anchors offset destabilising forces and are suitable for all soil types – either as a stand alone solution or as part of a engineered solution depending on site conditions.

Soil Nails

If subsurface conditions allow, Soil Nails are a quick and efficient solution to accommodate tight and concurrent civil construction work programmes, particularly on congested CBD site footprints.

Slope Stabilisation

Stabilising slopes can involve ground anchors and soil nails, as well as rock bolting, grouting, shotcreting, meshing and/or site dewatering.





DYNAMIC & STATIC PILE LOAD TESTING

Dynamic testing is a proven technique for assessing the load bearing characteristics and integrity of foundation piles and to confirm design parameters. Static pile load testing is also an in-situ analysis of load bearing characteristics and integrity, albeit slower than dynamic testing.

Through extensive research and development, Browns has designed and deployed proprietary test hammers with a variable mass of 10-30t. Testing is carried out as early (and often) as possible to ensure our design engineers and clients can adjust or refine pile construction techniques proactively.

All Browns piling rigs are equipped with state-of-the-art Taralog computers which provide readings of drilling and concreting parameters. Our site operators send data from each pile for instantaneous review by our geotech engineering team.

SPECIALIST GEOTHERMAL, WATER BORING AND MARINE

Browns has the capability to deploy specialist rigs to support the development of commercial geothermal energy systems, as well as to support agri-businesses access sub surface water sources to sustain crops or livestock. We are also experienced in undertaking marine-based piling works, including bridges, pontoons, jetties or piers in or over fresh and saltwater.



QUALITY ASSURANCE

Browns works closely with our clients and their advisory teams to address unexpected subsurface conditions or integrity issues and to implement the most effective and efficient solution.

We can deliver detailed design appraisals carried out by certified in-house engineers to ensure the most accurate, efficient and cost effective solutions are delivered to the client at any stage of our works programme.

All piles installed by Browns are designed and constructed in accordance with Australian Standard 2159-1995.



BROWNS PILING

PROJECT PORTFOLIO

DATA CENTRES

Microsoft MEL07 Tullamarine
BESIX Watpac

Microsoft MEL11 Truganina
Kapitol

Air Trunk Stage 5 Derrimut
Delta Group

Microsoft MEL05 Brooklyn
Delta Group

CDC LA2 Laverton
Built



PUBLIC INFRASTRUCTURE

Geelong Convention Exhibition Centre
Delta Group

Big Housing Build – Hawthorn
Hansen Yuncken

Public Housing Renewal Project – Flemington
CDL

Public Housing Renewal Project – Prahran
CDL

Big Housing Build – St Andrews Bendigo
Hansen Yuncken

Melbourne Airport T3 Redevelopment
Built

Elster Creek Sewer Upgrade
Jaydo

HEALTH & AGED CARE

Footscray Hospital

Multiplex

Thomas Embling Hospital

Delta Group

Barwon Women's and Children's Hospital

Kane

Adeney Private Hospital

Hansen Yuncken

Warringal Private Hospital Stage 2

Kane

Cranbourne Community Hospital

Delta Group

Aikenhead Centre for Medical Discovery

Kane



ENERGY TRANSMISSION

Berry Bank Transmission Tower 151A

Zinfra

Anakie Tower Foundations

Zinfra

ANS ARTC Asset Relocation Wodonga

Zinfra

Red Cliffs Terminal Station

Zinfra

M80 Ring Road RVP Project Tullamarine

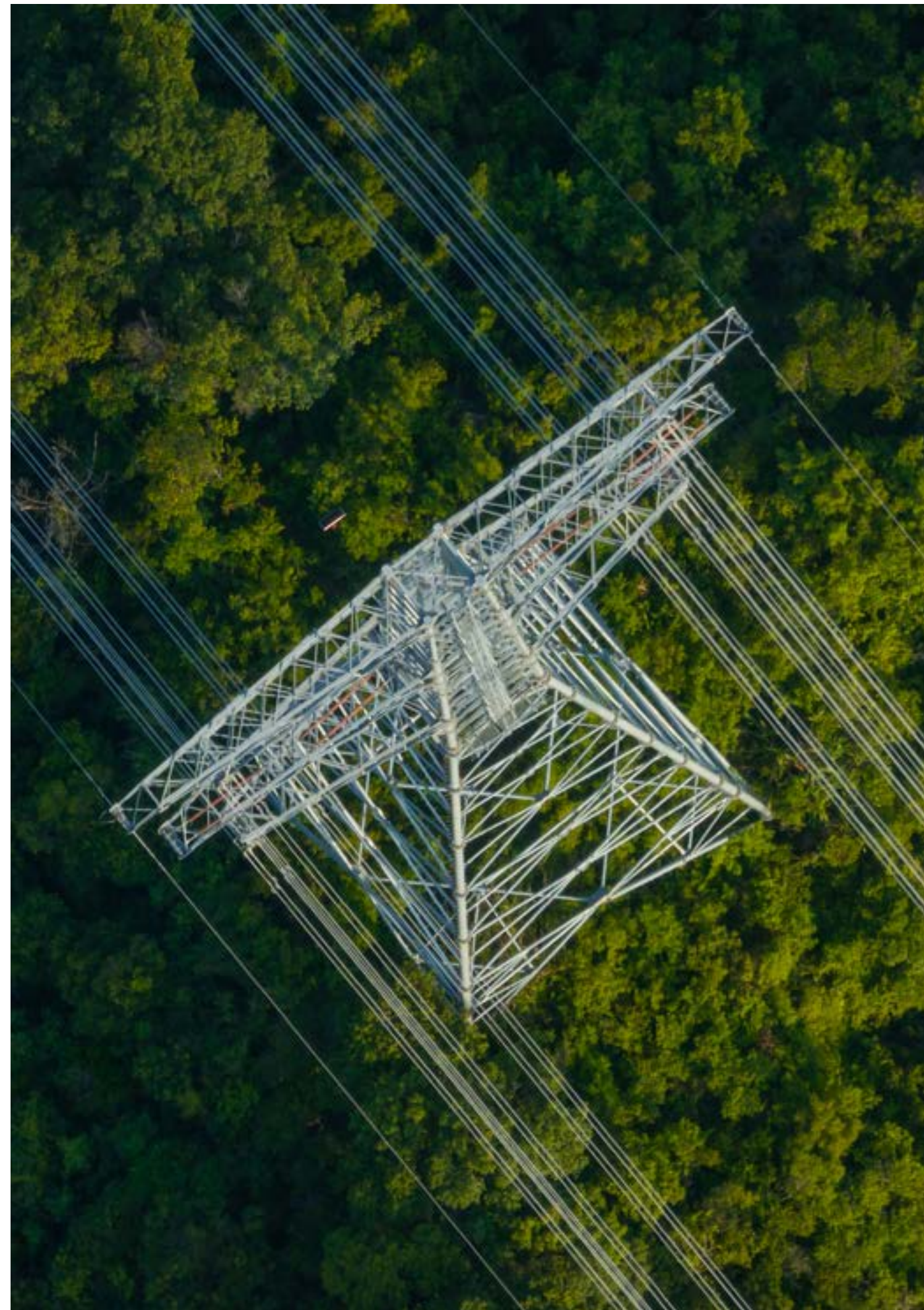
Zinfra

Berry Bank Transmission Tower 151A

Zinfra

Transmission Line Cressy

Zinfra



COMMERCIAL

Moonee Valley Park Trackside
House & Stonepine House

Icon

Caulfield Racecourse

Kane

St Germain Town Centre

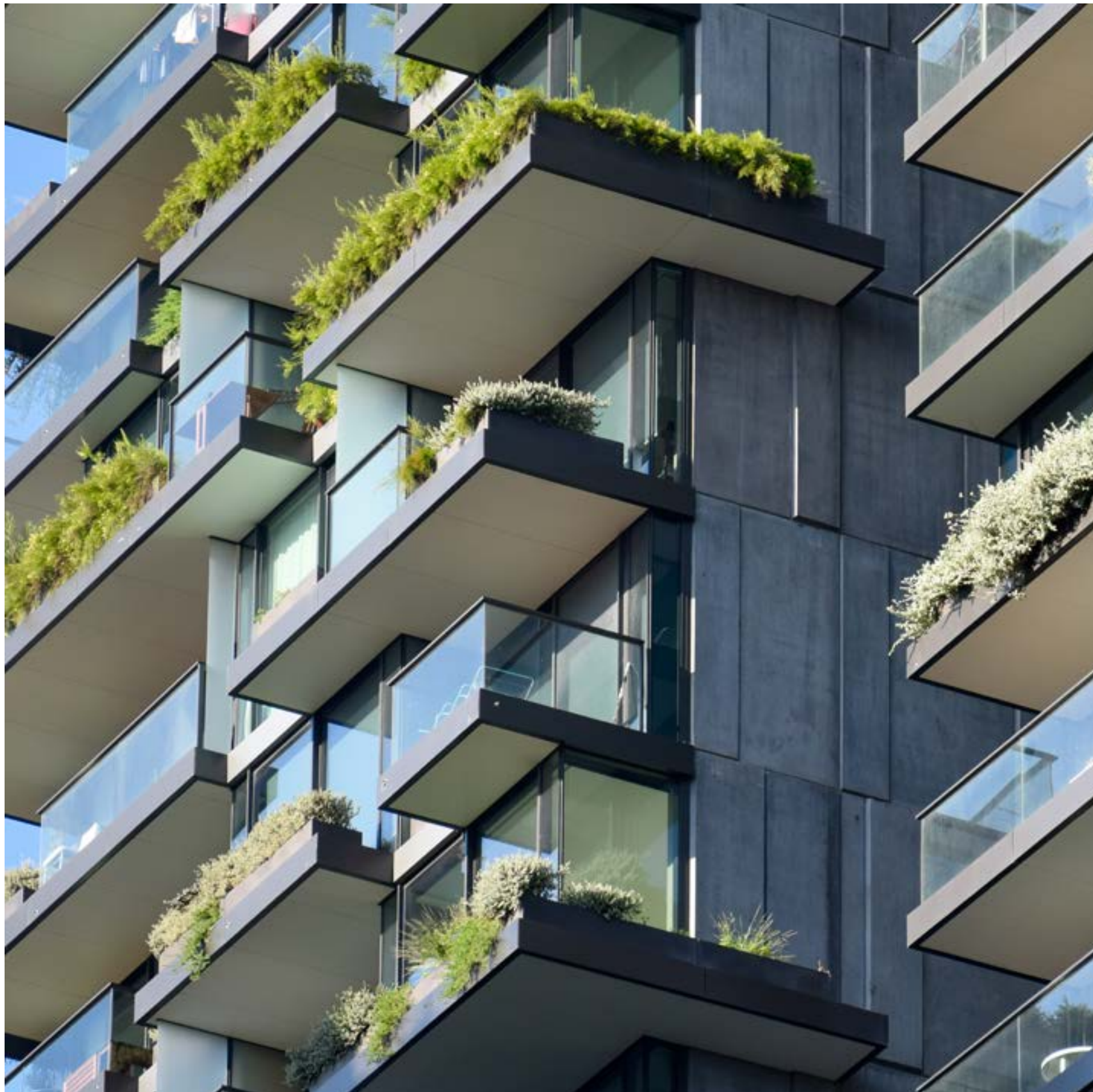
Hutchinson Builders

The Malt District Stage 2

Delta Group

Caulfield Village Precinct

Delta Group



RESIDENTIAL

Scape Apartments
Infinity

Cardigan Street Carlton
LU Simon Builders

Canvas Apartments Brunswick
Cobolt

Wightman Street Footscray
LU Simon Builders

Wanda Terraces Caulfield North
Goldsmith

PLANT & EQUIPMENT

Browns owns and operates a large fleet of specialist piling equipment. Upgraded regularly and maintained to exacting standards, our tooling and transport logistical capabilities allow us to meet the requirements of concurrent and consecutive work programmes in multiple locations.

MACHINE	B420	B400	SR100	SR105	B300	HR200	SR95	SF70	B240	SR65	SR60	R516	SR50	B175	SR45	SR40	C30	B105	TD60	S60	BABY
OPERATING WEIGHT	160t	140t	135t	115t	100t	100t	90t	70t	70t	65t	60t	60t	50t	50t	40t	40t	35t	30t	20t	20t	8t
CFA PILES																					
CFA PILE SIZES	1200–600	1200–600		1200–600	1200–600	1200–600	1200–600	900–450	900–450	900–450	900–600				450–900	450–750	7500–450	750–300	600–300	450–750	
CFA PILE DEPTH	42m	35m		36m	27m	32m	27m	27m	27m	21m	22m				19m	18m	18m	15m	12m	12m	
BORED PIERS (BP)																					
BP PILE SIZES	2400–600	2400–600	4000–600	2700–600	2400–600	2400–600	2700–600		1800–450	1800–450	2100–450	2100–450	1500–450	1500–450	1500–450	1500–450		1050–450		1200–450	800–300
BP DEPTH	50m	40m	80m	50m	50m	40m	50m		45m	45m	45m	45m	30m	30m	30m	30m	20m	15m	15m	15m	15m
CLOSE TO WALL APPLICATION																					
LOW HEAD ROOM																					

SUSTAINABILITY

Browns is committed to sustainable business policies and practices that keep our people, our environment, and the communities in which we work safe from harm.

Workplace Health & Safety

Nothing matters more to us than safety. It is our most important business practice and we demand visible leadership at every stage of a project and from everyone involved.

Our Safety Management System and our Safety Commitments are purpose built for our specialist contracting services. They apply to everyone on site - our people, contractors and visitors. Our Safety Commitments also inform our internal workplace health and safety reporting and communications.

Diversity & Inclusion

We strive to maintain a workplace that fosters acceptance and respect for diversity. A workplace free of discrimination, harassment and violence in any form. We recognise that sameness is a myth and seek to achieve equality throughout our business.

We appreciate the challenges facing the Australian construction industry in developing a more diverse and inclusive workforce. As part of Delta Group, Browns is compliant with the Australian Workplace Gender Equality Act and our talent acquisition strategies are focused on increasing the representation of females at all levels and across all divisions of our business, as well as First Nations Australians, people living with disability, and individuals from entrenched disadvantage.

Gender Equality

In accordance with the Victorian Government's Building Equality Policy, Browns has developed an organisation wide Gender Equality Action Plan (GEAP) and participates in an annual Workplace Gender Equality Audit with all Delta Group entities.

Our GEAP recognises that gender inequality may be compounded by other forms of disadvantage or discrimination such as Aboriginality, age, disability, ethnicity, gender identity, race, religion, sexual orientation, and other attributes. We understand how the intersections between diverse experiences impact safety, economic security and work, and how leadership is critical in the development and implementation of our corporate policies, as well as in building a genuinely inclusive workplace.

Social Procurement

Browns has embedded social procurement practices and processes into our Victorian operations, in accordance with the Victorian Government's Social Procurement Framework. We have the capability and systems to monitor and report on project specific social procurement outcomes, including:

- Apprentices, trainees and cadets workhours
- Indigenous, disabled and disadvantaged workhours and expenditure
- Social enterprise expenditure
- Female workhours

Ethical Labour & Modern Slavery

Browns is compliant with the Modern Slavery Act and welcomes the opportunity to join the Australian Government to eliminate modern slavery in global supply chains.

Carbon Management

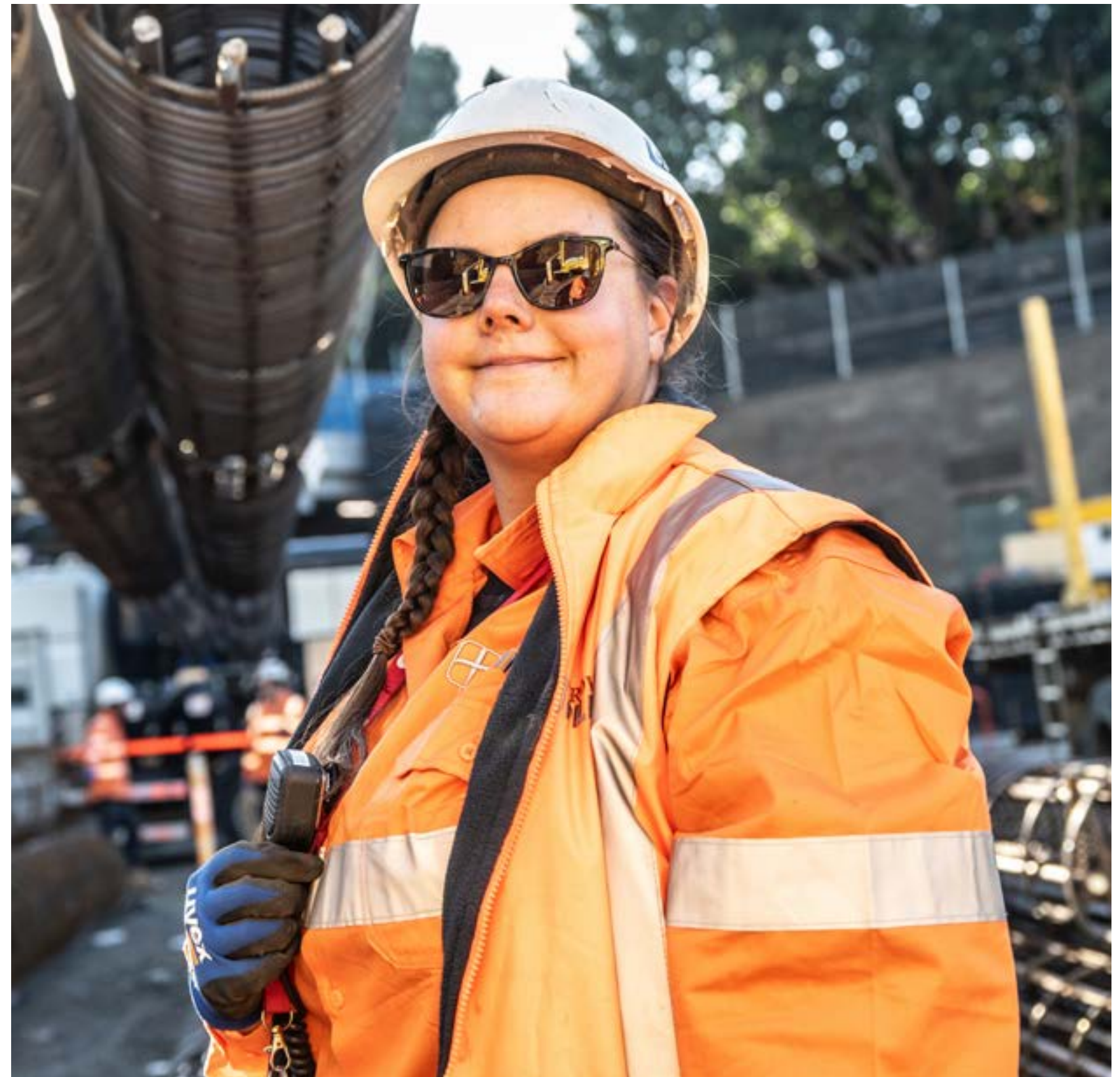
We aspire to play an active role in Australia's transition to Net Zero emissions by 2050. To help inform our own emissions reduction targets, as well as to meet our (and our client's) obligations under the Australian Government NGER Scheme, Browns plays a significant role in Delta Group's emissions monitoring and reporting system. We currently monitor and report on Scope 1 and Scope 2 emissions, with ongoing development of Scope 3 emissions monitoring in step with Commonwealth and State or Territory government policy settings.

Environmental Management

In addition to site specific monitoring and controls, we are also working to improve our internal waste management and recycling capabilities, together with reducing our reliance on fresh water wherever practicable. We will continue to play a leadership role in the development and delivery of circular materials management solutions.

Sustainability Reporting

We are compliant with the relevant Commonwealth and State or Territory legislation as well as our client's own sustainability measures – as they relate to our specialist contracting services and sustainable business practices.



HISTORY

1988

Founder Alan Brown purchases a bobcat, excavator and truck to create Browns Earthmoving

1997

Browns Earthmoving Pty Ltd incorporated and first operator employed

1998

West Gate Freeway Upgrade – first hard rock drilling project

2009

Browns Piling Pty Ltd incorporated

2014

Shrine of Remembrance

2015

Bunerong Memorial Park

2016

Ravenhall Prison

2017

East Brunswick Village

2018

Melbourne Park Redevelopment

Air Trunk Data Centres

2019

Victorian Heart Hospital

Air Trunk Data Centres

2020

Cressy Towers

Air Trunk Data Centres

2021

Footscray Hospital

Public Housing Redevelopment Program – Prahran, Brighton & Flemington

2022

Caulfield Racecourse

Air Trunk Data Centres

Delta Group acquires Browns Piling

2023

Amazon Distribution Centre

Air Trunk Data Centres

Hamilton, Redcliffe & Tullamarine Terminal Station & Transmission Line Upgrades

160t Casagrande B420 purchased

Microsoft MEL07 & MEL11 Data Centres

2024

Geelong Convention & Exhibition Centre

Thomas Embling Hospital

Air Trunk Data Centres

Leibherr THS140 Track Mounted Line Pump purchased

40t & 60t Sany Crawler Cranes purchased

Registered Business Name

Browns Piling Pty Ltd

Trading Name

Browns Piling

Director

Con Petropoulos

Management

Mark Welsh
Executive General Manager
Delta Group

Peter Greenstreet
Divisional Manager
Browns Piling



Registered Office Address

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03 9791 6983

Yard

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Delta Group

Delta Group is a diversified contractor with more than 35 years of experience delivering complex demolition, civil and environmental engineering, and project management solutions to blue chip commercial and industrial clients. As one of the largest contractors of their type in the world today, Delta Group has the financial, operational and organisational capacity to manage hundreds of projects at any one time.