

# **CIVIL ENGINEERING** & CONSTRUCTION

**CAPABILITY STATEMENT** 

DELTA GROUP IS ONE OF
THE LARGEST DIVERSIFIED
CONTRACTORS OF OUR
TYPE IN THE WORLD TODAY.
WE HAVE THE FINANCIAL,
OPERATIONAL AND
ORGANISATIONAL CAPACITY
TO MANAGE HUNDREDS OF
PROJECTS AT ANY ONE TIME
- AUSTRALIA WIDE.

ESTABLISHED IN VICTORIA SINCE
1988, DELTA GROUP NOW OPERATES
IN ALL STATES AND TERRITORIES OF
MAINLAND AUSTRALIA WITH OFFICES
IN DARWIN, BRISBANE, SYDNEY,
CANBERRA, MELBOURNE, ADELAIDE
AND PERTH, AS WELL AS REGIONAL
BRANCHES IN KARRATHA, LATROBE
VALLEY, GEELONG, PORT PIRIE,
ILLAWARRA AND HUNTER VALLEY.

OUR DIVERSIFIED COMMERCIAL CONTRACTING SERVICES INCLUDE STRUCTURAL DEMOLITION, ASBESTOS & HAZMAT REMOVAL, WASTE MANAGEMENT & RESOURCE RECOVERY, CIVIL ENGINEERING & CONSTRUCTION, LANDSCAPING & EXTERNAL WORKS, SITE REMEDIATION, REHABILITATION & REVEGETATION, HEAVY PLANT HIRE, MATERIALS SOLUTION MANAGEMENT, SPECIALIST MARINE & DISASTER RESPONSE.



WE HAVE THE SCALE AND SYSTEMS TO MOBILISE OUR PEOPLE AND PLANT TO MEET THE DEMANDS OF ANY PROJECT IN ANY LOCATION: METRO, REGIONAL, REMOTE OR MARINE.



EXPERIENCED &

QUALIFIED STAFF



FLEET OF SPECIALIST PLANT & EQUIPMENT



640+
MILLION ANNUAL
TURNOVER









### ACKNOWLEDGEMENT OF COUNTRY

DELTA GROUP 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.

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 AND ALL RELATED ENTITIES.

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.

RIGHT FIRST TIME AND THE
BEHAVIOURS WE EMPHASISE ARE
BUILT UPON FIVE SAFETY ESSENTIALS.
THESE SAFETY ESSENTIALS ARE
INTEGRAL TO THE SAFE WORK
POLICIES, PROCEDURES, METHODS
AND PRACTICES THAT WE HAVE
DEVELOPED TO PROTECT OUR PEOPLE
AND OUR SUBCONTRACTORS FROM
SERIOUS HARM.

# STOP if you feel unsafe INTERVENE if you see an unsafe act WEAR the correct PPE FOLLOW the rules

# **VISION, MISSION & VALUES**



OUR VISION IS TO SHAPE THE URBAN AND INDUSTRIAL LANDSCAPES OF TOMORROW.



OUR MISSION IS TO UNDERSTAND THE PROJECT LIFECYCLE BETTER THAN ANY OTHER CONTRACTOR.

# **ABOVE & BEYOND**

ABOVE & BEYOND IS OUR ETHOS. THE SUM OF ALL OUR PARTS. IT'S OUR WAY OF WORKING AND OUR MEASURE FOR SUCCESS, NO MATTER WHAT WE SET OUT TO DO OR ACCOMPLISH. IT'S HOW WE SHAPE TOMORROW, FOR OURSELVES AND OUR CLIENTS.

PEOPLE FIRST. THINK DIFFERENTLY. DETERMINED. DEPENDABLE.



# CIVIL ENGINEERING & CONSTRUCTION

FROM LARGE SCALE PUBLIC INFRASTRUCTURE PROJECTS FEATURING ROADS, BRIDGES, AIRPORTS, PIPELINES, DRAINAGE, PORTS AND UTILITIES TO **DEEP BASEMENT CONSTRUCTION** AND COMPLEX SOIL CONDITIONS ABOVE AND BELOW THE WATER TABLE: **BOUTIQUE SUBURBAN RESIDENTIAL** AND COMMERCIAL DEVELOPMENTS TO REGIONAL CONSTRUCTION **PROJECTS - OUR CIVIL ENGINEERING** AND CONSTRUCTION EXPERTISE IS **RELIED UPON FOR SELF PERFORMING** PROJECT MANAGEMENT SOLUTIONS **INVOLVING AN ARRAY OF SPECIALIST SKILLS AND DISCIPLINES.** 



# **CONTRACTING SERVICES**

- + Bulk & Detailed Earthworks
- + Piling & Foundations
- + Retention Systems
- + Ground Improvement & Slope Stabilisation
- + Site Infrastructure, Roads & Pavements
- + Specialist Marine, Drilling & Blasting
- + Materials Solution Management
- + Concrete/Steel Supply & Placement
- + Site Remediation
- + Containment Cell Construction & Management
- + Occupational Hygiene
- + Traffic Management
- + Geotechnical Surveys & Mapping (3D Drone)
- + Cultural, Heritage & Archaeological Surveying



# CIVIL ENGINEERING & CONSTRUCTION

# **BULK & DETAILED EARTHWORKS**

- + Site clearing
- + Bulk cut to fill
- + Hardstands and engineered platforms
- + Batters and benches
- + Set-downs, pad and strip footings, pile caps
- + Onsite tipping and stockpile management

# **RETENTION SYSTEMS**

- + Temporary and permanent engineered solutions
- + Piled, shotcrete, in-situ and earth reinforced retaining structures
- + Shoring systems and capping beams
- + Anchored, cantilevered, gravity (gabion) walls
- + Ground anchors, soil nails and rock bolts
- + Internal propping and diaphragm walls

# **PILING & FOUNDATIONS**

- + Structural pad footings, rafts or pile cap systems
- + Slab in-ground, suspended slabs and super structure
- + Bored, driven, sheet and CFA piling
- + Post tensioning and FRP footings
- + Full service solutions: Design, Supply, Install & Certify

# SITE INFRASTRUCTURE, ROADS & PAVEMENTS

- + Stormwater and sewer, hydraulics, fire mains, potable water
- + Communications and electrical
- + Trenching, drains, swales, detention ponds, dam walls and wetlands
- + Roads and carparks, kerbs, line marking, bollards and signage

# **GROUND IMPROVEMENT & SLOPE STABILISATION**

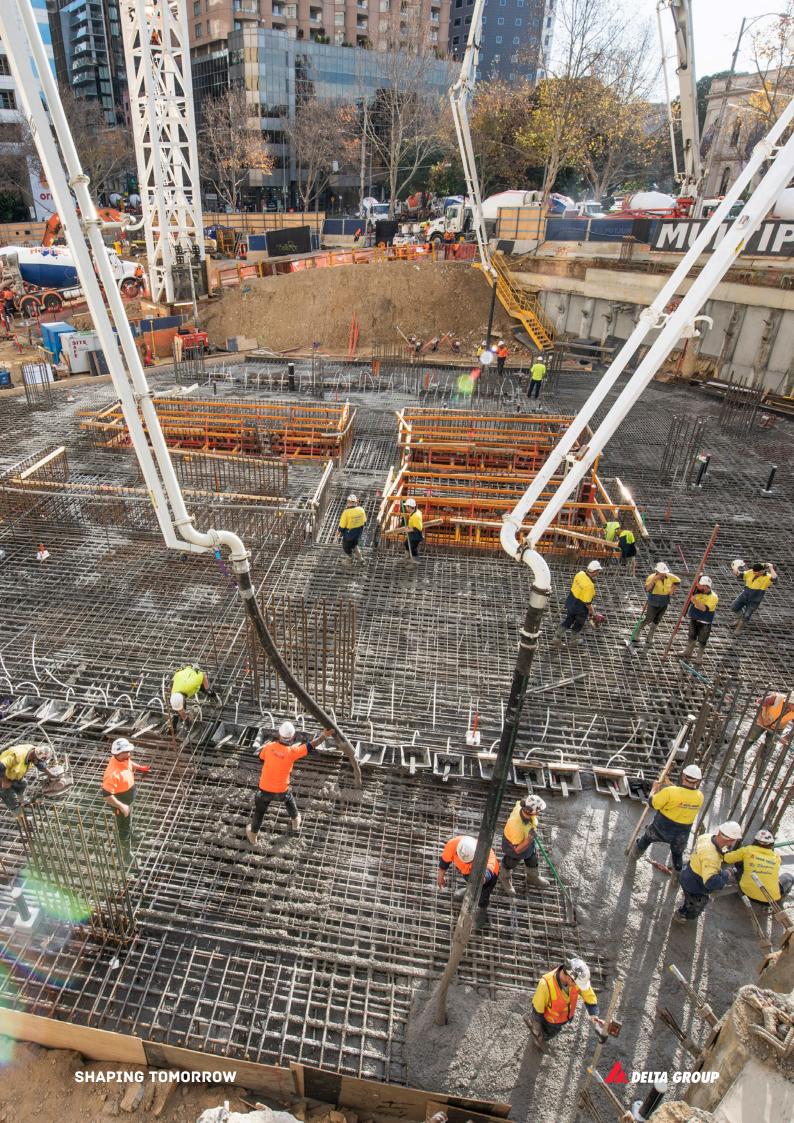
- + Contamination remediation and disposal
- + Ground and soil mass engineering techniques
- + Ground stabilisation: Rock Wedge
- + Soil mixing and pressure grouting
- + Site Dewatering

# SPECIALIST MARINE, DRILLING & BLASTING

- + VHS rock and below water table solutions
- + Construction of sea wall and revetment structures
- + Foreshore remediation, coffer dams, barge and pontoon works
- + Pier refurbishment and construction







# MATERIALS SOLUTION MANAGEMENT

DELTA GROUP HAS EXCLUSIVE
ACCESS TO SIGNIFICANT VOLUMES
OF AIRSPACE IN PRIME DISPOSAL
LOCATIONS AND FOR ALL SOIL TYPES
OR CLASSIFICATIONS.
SOPHISTICATED, PURPOSE BUILT
LOGISTICS SOFTWARE MAXIMISES
OUTPUT AND ALLOWS US TO
EFFICIENTLY MANAGE AN EXTENSIVE
FLEET OF COMPANY OWNED AND
SUB CONTRACT EARTHMOVING AND
TRANSPORT RESOURCES.



# **CONTRACTING SERVICES**

- + Spoil Management Strategy Development
- + 3D Drone Surveying
- + Earthmoving Transport & Logistics
- + Onsite Tipping & Stockpile Management
- + Contaminated Soil Classification & EPA Licensed Landfill Disposal
- + Site Remediation Soil & Water Treatments
- + Land Rehabilitation Works
- + Mixed Excavation Waste Management
- + Green Star & NGER Aligned Reporting Systems
- + Mobile Crushing & Screening

COMBINED, OUR COMPANY OWNED AND SUB CONTRACT FLEET MOVED MORE THAN 10,000,000m3 OF SPOIL IN FY20. ENOUGH TO FILL THE MCG SIX TIMES OVER.



# PROJECT DELIVERY DRIVERS

OUR PEOPLE ARE WHAT SET US APART AND WHY OUR CLIENTS TRUST US TO DELIVER HIGH RISK, COMPLEX WORK PROGRAMMES ON TIME, ON BUDGET AND WITHOUT INCIDENT. THEY DON'T JUST BENEFIT FROM EXCITING AND DIVERSE PROJECTS WITH BLUE CHIP CLIENTS, THEY BENEFIT FROM A CULTURE OF COLLABORATION AND INNOVATION THAT ALLOWS THEM TO MAKE THE MOST OF THEIR REMARKABLE SKILLS AND TALENT.

# **VALUE ENGINEERED SOLUTIONS**

Delta Group has the unique capability to facilitate the transfer of technical and logistical knowledge in real time from past and current project sites across australia. Our purpose built (proprietary) cloud based integrated management system also supports the rapid deployment of work method improvements and site training activities to keep our people safe.

### **KNOWLEDGE TRANSFER**

- + Aggregated Data Analytics
- + Legal & Compliance
- + Resource Management
- + HIRAC
- + Programming & Sequencing

### **SKILLS TRANSFER**

- + Local Labour Content
- + Social Procurement
- + Training & Competencies
- + Licenses, Permits & Approvals
- + QA Monitoring & Review





# PROJECT DELIVERY DRIVERS

### **FINANCIAL CAPACITY**

Consolidated group revenue in excess of \$640m per annum and a strong balance sheet reinforces our capacity to deploy capital in upgrading or expanding our fleet. We hold the relevant insurances and maintain the appropriate corporate licenses and individual competencies in accordance with best practice risk management and corporate governance protocols.

\$474м \$618м

\$640<sub>M</sub>

**FY19** 

FY20

FY21

# **INDUSTRIAL RELATIONS**

Delta Group has a long history of harmonious, productive and proactive working relationships with its employees and peak Australian employee organisations for more than 30 years. Our Enterprise Agreements are registered with Fair Work Australia, ensuring Delta Group and all related entities are compliant with the Building Code 2016. The conditions of our EBAs are of the highest standard and we have never been subject to direct (protected or unprotected) industrial action at any time or on any project site Australia wide.





# **QUALITY ASSURANCE**

Our triple certified Quality, Safety and Environmental Management Systems have been proven over thousands of projects in high risk environments, allowing us to continuously improve our practices and to build on our reputation as best-in-class. They are also supported by certified Risk Management Systems and recognised by the Australian Government Building & Construction WHS Accreditation Scheme, as well as individual State and Territory Government accreditation and prequalification schemes.





# PROJECT DELIVERY HIGHLIGHTS



# ADELAIDE FESTIVAL PLAZA WALKER CORP | ADELAIDE, SA



Bulk earthworks of very deep and large basement – 13,000m2 in area; up to 14m in depth – 275,000t of spoil. Secant pile wall retention system – 948 retention piles; 700 + temporary anchors (up to 4 rows). Loading platform, vibration monitoring, dewatering. Tunnel infill/backfill. Elevation 8 & 9 shotcrete batter protection. Retention piling hardstand, pile trimming. Capping beam. Temporary anchors and walers. Foundation Piles & Piling Platform. Detailed Excavation & Footing Construction.



# OLD LONDON HOTEL CREMA GROUP | MELBOURNE, VIC

Construction of piling platform for D-Wall construction and foundation piling. Removal of all piling/D-wall spoil (5,000 m3 of Coode Island Silt). Capping beams. De-watering boreholes and pumps install. Hydraulic propping and mega brace (whaler). Foundation piles trimming. Detailed excavations for crane base and lift over run. Propping removal to facilitate B2-B1 ramp. Installation of Raking Props. Detailing of walls - trim/hole grout; remove chemical anchors.



# MARTIN PLACE NORTH LENDLEASE | SYDNEY, NSW



Temp Works Design & Construction.
Heritage retention/protection. Bulk/
detailed excavation works - 30m below ground.
Removal and remediation of ACM impacted
soil. Demolition of temp service tunnels.
Foundations and retention structures. Piling,
Shoring & Site Infrastructure. Noise, Emissions
(Silica Dust) & Vibration controls. Live rail
and construction environments - existing
(operational) and new tunnels within 3m of
works. Geotechnical surveying and monitoring.
Traffic management. >96% C&D waste recycled.



# HMAS CERBERUS LENDLEASE | CRIB POINT, VIC

63,000t bulk earthworks (imported material).
21,500m3 concrete/asphalt pavements.
Stormwater drainage – 32km.Kerb and line marking – 4km. 300m retention wall construction.
PFAS contaminated soil. Live base operations.
Landscape maintenance, street sweeping. VH Electrical Substation Slabs. Foundation Piles/Pad Footings. Tension Anchors, Shotcrete/Retaining Walls. Removal/replacement uncontrolled fill, including construction of new onsite tip.



# PROJECT DELIVERY HIGHLIGHTS



# GOLD COAST AIRPORT LENDLEASE | COOLANGATTA, QLD

Live international/domestic airport operations. Site clearing – scraping of top soils, surface, sub-surface demolitions. Demolition of existing structures/pavements (5500m2), inc. cut penetrations. Site dewatering and overflow management: >1m litres of groundwater. 10,000m3 PFAS contaminated spoil. Stormwater services installation. Piling platform: 14000m2. Services protection and asphalt works. Working & Laydown Pads. Concrete pavement/apron upgrade works: >2300m3 Aircraft Specification concrete poured. Internal Site Roads, Final Roads & External Finishes.



# VICTORIAN HEART HOSPITAL JOHN HOLLAND | MELBOURNE, VIC

Bulk Earthworks circa 250,000m3. Retention/foundation piling, hybrid piled pad foundations, ground slab. Shotcrete and anchoring. Exhaust tunnels. Internal civil pavements. Major VicRoads signalised intersection upgrade. 500m of new combined services trench.



# PARK AVENUE MILBEX | MELBOURNE, VIC

Site Preparation, design and construction of 20m deep Diaphragm Wall retention system for a 4 storey basement, Ground Anchors, design and construct Bored foundation piles under polymer, bulk excavation, detailed excavation, service installation, waterproof membrane installation, 1200mm thick hydrostatic slab construction to 1000m2 site. Works also included the identification, classification and removal of more than 1,600t of contaminated material.



# 308 EXHIBITION STREET MULTIPLEX | MELBOURNE, VIC

Civil works for the construction of two 70 storey towers. Piling; Capping beams; Bulk Earthworks; Retention including anchors and shotcrete walls. Footings and slabs included a 3000m3 post tensioned raft – successfully poured in one day (Melbourne's largest ever core raft pour).

# PROJECT DELIVERY HIGHLIGHTS



# TWEED VALLEY HOSPITAL LENDLEASE | CUDGEN, NSW

Large Scale Bulk Earthworks: >100,000m3. Very high strength Basalt Rock. 2.2km of Stormwater drainage. Gabion Walls - 500m/3.5m high. Piling Pad Construction; Shotcrete to batters. 1.8km ashpalt roadworks; 4000m2 asphalt carpark construction; 2.5km kerb construction. Import Gravels.Enviro monitoring; contaminated area remediation. 6.9km of Service Trenching: electrical/plumbing. High level local and indigenous labour content.



# ALDINGA B12 SUPER SCHOOL SARAH CONSTRUCTIONS | ADELAIDE, SA

Stripping topsoil across 140,000m2 site area. Bulk excavation 20,000m3 and filling 30,000m3 soil to reach subgrade levels under level 1 GITA supervision to AS3798. Preparing 20,000m2 of building plateau and final trimming to 5mm tolerance. Construction of 600mdual lane DPTI spec road. 2000m3 under-ground water detention system, bioretention basins and swales with Bidim and HDPE. 12,000m2 of carparks with concrete kerbing, pavements, asphalt layers, linemarking and traffic signage.



# **WESTERN SYDNEY STADIUM**

**LENDLEASE | SYDNEY, NSW** 

97,000m3 of bulk and detailed
earthworks; pad, raft and pile cap foundation
structures; piling; temporary and permanent
retention structures. Remediation of 100,000t
of asbestos contaminated soil, including
the design and construction of an onsite
containment cell. Archaeological studies and
qualified supervision to preserve historical and
cultural artefacts. Final grades to 57,000m2
public realm.



# AIR TRUNK BUILT| MELBOURNE, VIC

55,000m2 footprint - site strip, cut and fill, and piling hardstands to 30,000m2. Stage 4a included 80 foundation piles; Stage 5a required 100 foundation piles. Both stages required 2 crane bases, involving the Favco M2480D - the largest luffing jib tower crane in the world. Two raft slabs consisted of 2,700m2, 450mm thick post tensioned slabs with 1,200mm – 1,500mm deep edge beams and 1,200mm deep pile caps within the slab. 2,500m2 of asphalt pavement and 1,500m2 of heavy duty concrete pavements.



DELTA GROUP IS AT
THE FOREFRONT
OF GENERATIONAL
CHANGE AS THE WORLD
TRANSITIONS TO A LOW
CARBON, CLEAN ENERGY
FUTURE.

OUR LATE MODEL, NEW
GENERATION HYDRAULIC
EXCAVATORS HAVE THE
CAPACITY TO MAINTAIN HIGH
PERFORMANCE & PRODUCTIVITY
WHILE MINIMISING HARMFUL
EMISSIONS. OUR LATEST
MACHINES CAN OPERATE WITH
LEAD FREE & BIODEGRADABLE
HYDRAULIC OIL & INCORPORATE
UNIQUE SUSTAINABILITY FEATURES
SUCH AS FULLY RECYCLABLE
MANUFACTURING COMPONENTS.



# HITACHI ZH210 HYBRID

IN PARTNERSHIP WITH HITACHI WE ARE DEPLOYING CAPITAL IN NEW HYBRID EXCAVATORS TO REDUCE OUR CARBON FOOTPRINT AND SAVE ON FUEL COSTS. TO DATE, THE HYBRID EXCAVATORS ARE USING 34% LESS FUEL WHILE EMITTING 33% LESS CO2. IN OTHER WORDS, JUST ONE DELTA (HYBRID) DIGGER HAS THE POTENTIAL OF REDUCING CO2 EMISSIONS BY MORE THAN 18 TONNES PER ANNUM. THAT'S MORE THAN THE AVERAGE AUSTRALIAN HOUSEHOLD PRODUCES EACH YEAR.



# **AUSTRALIA'S LARGEST PRIVATELY OWNED FLEET**

**DELTA GROUP OPERATES AUSTRALIA'S LARGEST PRIVATELY OWNED FLEET OF SPECIALIST** PLANT AND EQUIPMENT. **PURPOSE BUILT TO SUPPORT OUR DIVERSIFIED SERVICES MODEL, OUR FLEET IS REGULARLY UPGRADED AND METICULOUSLY** MAINTAINED TO EXACTING **OEM, REGULATORY AND CLIENT REQUIREMENTS. SOPHISTICATED GPS, LOGISTICAL AND SCALE** SYSTEMS TRACK THE MOVEMENT **AND LOADS OF MORE THAN 1.000** TRUCKS AND MACHINES ACROSS AUSTRALIA.



505 excavators 12 79 75 20-29t 30-39t >120t 15 16 61 60-69t 80-89t 40-49t 54 Q 184 < 10t

heavy rigid trucks
heavy combo
trucks
water
trucks

front end loaders

front end loaders

Tollers & crushers steers

rollers & crushers steers

rollers & crushers steers

15 drill rigs

1000 hook& marrel skip bins



# **GROUP HISTORY & MILESTONES**

# 1970s

INAUGURAL PROJECT: YALLOURN NORTH,

LATROBE VALLEY VICTORIA

### 1980s

**1981:** DELTA DEMOLITION ESTABLISHED

**1985:** DELTA CIVIL ESTABLISHED **1988:** DELTA PTY LTD REGISTERED

DELTA RECYCLING ESTABLISHED

1989: DELTA NSW OFFICES OPENED



**1991:** MELBOURNE CRICKET GROUND DEMOLITION (STAGE 1)

1992: AUSTRALIA'S TALLEST DEMOLITION - LEGAL & GENERAL BUILIDING, SYDNEY

1995: CROWN CASINO EARLY WORKS

# 2000s

2001: WHELAN THE WRECKER RE-ESTABLISHED

**DELTA RECYCLING SUNSHINE YARD OPENED** 

**2002:** DELTA ACT OFFICES OPENED

**2003:** MELBOURNE CRICKET GROUND DEMOLITION (STAGE 2)

**2004:** DELTA WA OFFICES OPENED **2005:** DELTA RENT ESTABLISHED

2007: DELTA QUEENSLAND OFFICES OPENED



### **2010s**

**2010:** CMA CONTRACTING ACQUISITION **2013:** DELTA KARRATHA OFFICES OPENED

**2015:** DELTA MALLARD CONTRACTING ESTABLISHED

2016: DELTA RECYCLING TIMBER YARD ESTABLISHED (WHELAN THE WAREHOUSE)

2018: SYDNEY METRO CITY & SOUTHWEST EARLY WORKS PROJECT

GRANGE ENVIRONMENTAL SERVICES ESTABLISHED

**DELTA SA OFFICES OPENED** 

2019: HAZELWOOD POWER STATION DEMOLITION PROJECT

### **2020s**

**2020:** CROSS RIVER RAIL PROJECT, BRISBANE

RIO TINTO PENINSULA PALMS PROJECT, THE PILBARA

DARWIN OFFICES OPENED

**2021:** PORT PIRIE OFFICES OPENED GEELONG OFFICES OPENED

EASTERN PLANT HIRE ACQUISITION WIDI NGURAWA ESTABLISHED ILLAWARRA OFFICES OPENED









# **GROUP OFFICES**

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