DEGNAN

BUILDING TOMORROW TOGETHER

ENERGY INFRASTRUCTURE



Degnan acknowledges First Nations peoples as the Traditional Custodians of Country and recognises their continuing connection to land, waters and community. We pay our respects to Elders past and present, and extend that respect to all Aboriginal and Torres Strait Islander peoples. We recognise the importance of respecting Country, culture and heritage in the communities where we work.

DEGNAN

CONTENTS PAGE

About Degnan 6

Our Commitment 8

How We Deliver 10

Our Services 12

Our Experience 14

CONTACT Ben Daly
General Manager, New Business & Partnerships
ben.daly@degnan.com.au
0412 720 102

DEGNAN

MESSAGE FROM
CHRIS DEGNAN



Founded in 1979, Degnan is a family-owned Australian construction company delivering quality infrastructure for our clients and communities.

Degnan has grown into a successful construction company that I am incredibly proud to lead. Today, we deliver specialised projects across rail and transport, energy, waste and recycling, working in complex environments where experience, collaboration and practical delivery matter.

Our capability is supported by recognised industry accreditations, including Technically Assured Organisation (TAO) accreditation with Transport for NSW and Endorsed Engineering Organisation (EEO) accreditation with Queensland Rail.

From day one, quality and integrity have been at the heart of Degnan.

As the business has grown, these founding principles have remained central to how we work, the relationships we build and how we deliver for our clients.

Our success is a reflection of our people. Their experience, dedication and commitment to our values continue to strengthen our capability and the reputation we have built over more than four decades.

Proudly 100% Australian-owned and operated, we continue to learn from our experience, embrace new ideas and deliver quality outcomes across complex infrastructure environments throughout New South Wales and Queensland.

It is an exciting time for Degnan as we continue to grow our capability and broaden the sectors we support. We look forward to working collaboratively with our clients and partners to deliver infrastructure that provides lasting value to the communities it serves.

CHRIS DEGNAN
Managing Director



Our purpose is to work together to build sustainable infrastructure for now and tomorrow.

Degnan delivers specialised infrastructure across Energy, Rail and Transport, Waste and Recycling. We work with government and private clients on projects that support the way communities live, move and grow.

Our practical, hands-on approach is built around solving problems, working collaboratively and staying engaged throughout delivery. Backed by experienced people and strong industry capability, we focus on quality outcomes and infrastructure that delivers lasting value.



45+ Years of Experience
Delivering complex infrastructure across Australia since 1979.



1,000+ Projects Delivered
Successfully completing projects across rail, transport, energy, waste and recycling.



Live Operational Expertise
Delivering complex works around existing assets and ongoing operations.



Technical Excellence
TAO and EEO accredited, with the expertise to deliver in highly regulated environments.



Trusted Delivery
Safely delivering complex projects in live operational environments.



Australian owned & operated
Building Tomorrow Together through local relationships, technical expertise, and trusted project delivery.

OUR **COMMITMENT**

DEGNAN



SAFETY

Safety is embedded in every aspect of our operations through our ONE Safe Workplace approach. Our focus on health, safety and wellbeing creates a culture where our people take ownership, remain aware and actively contribute to safer workplaces for everyone.

Risk identification and mitigation are central to how we plan and deliver projects, particularly within complex and high-risk operational environments across rail, energy and heritage infrastructure.

ONE Safe Workplace reinforces a shared responsibility for the physical and mental safety of everyone at work, encouraging our people to OWN safety responsibility, NOTICE risks and ENGAGE in safety conversations.

Degnan holds **Federal Safety Accreditation (FSC),** reflecting the safety systems and standards embedded across our operations and supporting our capability to deliver government and nationally significant infrastructure projects.



SUSTAINABILITY

Sustainability is an important part of how Degnan plans and delivers infrastructure. We recognise that the projects we deliver today can have a lasting impact on the communities and environments of tomorrow.

We look for practical opportunities to improve project outcomes through innovation, sustainable construction practices, material efficiency, waste reduction and responsible use of energy and resources. This includes considering lower-carbon alternatives, new technologies and circular economy principles where appropriate.

Our approach also considers broader community outcomes through local engagement, procurement and social value, helping deliver infrastructure that creates lasting value for our clients and the communities we serve.



COLLABORATION

Collaboration is fundamental to the way Degnan works. We engage early with clients, designers, delivery partners and stakeholders to understand project requirements, identify risks and find practical ways to improve delivery.

Through Early Contractor Involvement (ECI), we bring construction and delivery experience into the early stages of a project, helping to improve constructibility, cost and program certainty, manage interfaces and risk, and support informed decision-making.

Open communication and strong partnerships enable us to solve complex challenges together and deliver better outcomes for our clients, projects and communities.



COMMUNITY

Community engagement is an important part of how we deliver projects. We recognise that successful infrastructure goes beyond construction and should create positive, lasting outcomes for the communities it serves.

We engage with local communities and stakeholders throughout delivery, maintaining open communication and considering local needs and impacts as projects progress.

Through local engagement, procurement and social outcomes, we look for opportunities to create value beyond the project itself and contribute positively to the communities in which we work.

It's not just what we deliver, but how we deliver it. That means looking after our people, working responsibly, collaborating openly and considering the communities our projects are part of.

DEGNAN



Successful delivery is built on early collaboration, integrated expertise and practical experience. Our approach helps manage complexity and risk while supporting quality outcomes and long-term asset performance.

EARLY ENGAGEMENT & COLLABORATION

Working alongside clients, designers and stakeholders from the earliest stages of a project to optimise outcomes, improve constructibility, manage risk and support informed decision-making.

DESIGN, ENGINEERING & DELIVERY

Combining specialist engineering expertise, integrated design and construction capability, and disciplined project management to deliver complex infrastructure safely and efficiently.

COMPLEX OPERATIONAL ENVIRONMENTS

Planning and delivering infrastructure within live and operational environments, while managing interfaces, maintaining critical operations, minimising disruption and coordinating works around existing assets.

INNOVATION & LONG-TERM PERFORMANCE

Applying innovation, value engineering and practical delivery experience to improve constructibility, enhance asset performance and maintainability, and deliver more efficient, sustainable outcomes.



Queensland Rail Caboolture Substation



Rooty Hill Traction Substation



Sydney Metro Operations Control Centre Expansion



Victorian Suburban Rail Loop Substation in Monash

DEGNAN



Degnan brings together project, engineering and construction expertise to support energy infrastructure from early planning and design through to construction, commissioning and operational readiness.

Our multidisciplinary approach allows us to manage interfaces, reduce delivery risk and provide practical solutions across complex energy projects.

PROJECT, ENGINEERING & DELIVERY

- Multidisciplinary project management for energy infrastructure
- Early Contractor Involvement (ECI) and constructibility input
- Business case, cost planning and budget analysis
- Principal Project Requirements development
- Multidisciplinary design management and coordination
- Construction management and delivery planning
- Engineering assurance
- Safety and environmental planning and management
- Commissioning management and operational readiness
- Digital engineering and construction planning
- Sustainability planning and reporting
- Community, social outcomes and social procurement
- In-house Infrastructure Sustainability Accredited Professionals

CIVIL & STRUCTURAL WORKS

- Civil construction planning and methodology
- Site investigations, surveying and geotechnical investigations
- Excavation and bulk earthworks
- Foundations and piling systems
- Concrete structures and equipment foundations
- Structural steelwork
- Retaining structures and temporary works
- Stormwater and site drainage
- Access roads and asphalt works
- Service route trenching and backfilling
- Bridge structures
- Demolition and enabling works
- Cranage and lifting methodologies

BUILDING & ASSOCIATED INFRASTRUCTURE

- Prefabricated buildings and switchrooms
- Cable containment, pits, conduits and service trenches
- Building fit-out and internal finishes
- Wall linings and doors
- External cladding and façades
- Glazing and roofing
- Waterproofing
- Heritage building works
- Traffic and access management
- BCA and DDA certification management
- Site investigations and dilapidation surveys

Energy projects can have a lot of moving parts. Bringing the right people together early helps us manage those interfaces and find practical ways forward.

ENERGY INFRASTRUCTURE **EXPERIENCE**

DEGNAN



Energy infrastructure demands careful planning, strong coordination and certainty in delivery, particularly when works need to integrate with existing assets and operations.

Degnan brings together project, engineering and construction capability to deliver substations, brownfield upgrades, prefabricated switchrooms, enabling and civil works, utility relocations, operational facilities, balance of plant and transport electrification infrastructure.

Our experience in complex operational environments means we understand the importance of managing interfaces, coordinating outages and cutovers, maintaining operations and reducing disruption. We engage early with clients, designers and delivery partners to identify risks, improve constructibility and develop practical solutions before they become delivery issues.

From early planning through to construction, commissioning and operational readiness, our focus is on providing clients with safe, reliable delivery and infrastructure built for long-term performance.





FEATURED PROJECTS

CORINDA FEEDER STATION | QLD

CABOOLTURE FEEDER STATION | QLD

MINTO, INGLEBURN, AND GUILDFORD SUBSTATIONS AND POWER SUPPLY UPGRADE | NSW

ROOTY HILL TRACTION SUBSTATION | NSW

WESTCONNEX NEW M5 MOTORWAY CONTROL CENTRE AND SUBSTATION | NSW

MONASH / NOTTING HILL SUBSTATION | VIC



DEGNAN

CORINDA FEEDER STATION UPGRADE

Degnan partnered with Queensland Rail to deliver the Corinda Feeder Station upgrade, replacing end-of-life infrastructure to improve network reliability, maintainability and system resilience.









SECTOR
Energy

LOCATION
Brisbane, QLD
Yuggera & Turrbal Country

CLIENT
Queensland Rail

PROJECT COMPLETION
May 2025

PROJECT VALUE
$6M approx.

DELIVERY MODEL
Construct

The project involved integrating new 25 kV infrastructure within an operational feeder station, including a prefabricated switchroom, isolation transformer, HV cabling, earth grid upgrades and associated civil and structural works.

With the substation required to remain operational for most of the works, delivery relied on careful staging, planned outages and close coordination of interfaces with existing live infrastructure

KEY OUTCOMES

- New 25 kV infrastructure successfully integrated within the operational feeder station.
- New assets installed and tested ahead of planned cutovers to make efficient use of available isolation periods.
- End-of-life infrastructure replaced to support improved reliability, maintenance and system resilience.
- Critical existing infrastructure remained protected and operational throughout the broader construction program.

CHALLENGES OVERCOME

- **Working within an operational substation.** Most works were delivered while the feeder station remained operational. A staged delivery approach allowed new infrastructure to be constructed and tested separately before planned cutovers.
- **Managing outages and cutovers.** A systematic approach to staging and clear separation of live and isolated assets supported safe delivery while working within limited outage periods.
- **Protecting live infrastructure** A live Energex 110 kV cable running through the site required careful planning during civil works. Vibration monitoring and exclusion zones for heavy machinery were implemented to protect the existing asset.

DEGNAN

CABOOLTURE FEEDER STATION UPGRADE

The Caboolture Feeder Station upgrade replaced end-of-life infrastructure to improve network reliability, maintainability and system resilience.









SECTOR
Energy

LOCATION
Brisbane, QLD
Yuggera & Turrbal Country

CLIENT
Queensland Rail

PROJECT COMPLETION
May 2025

PROJECT VALUE
$8M approx.

DELIVERY MODEL
Construct

The project upgraded the operational 50 kV traction feeder substation with a new prefabricated switchroom, gas-insulated switchgear, power transformers, earth grid, lightning protection and associated civil, structural and cable reticulation works.

As a brownfield project, careful planning around the operational earth grid and coordination between Queensland Rail, Schneider and Energex during critical shutdown periods was required.

KEY OUTCOMES

- New 50 kV traction feeder infrastructure integrated into the existing operational substation.
- End-of-life equipment upgraded to support improved reliability, maintenance and system resilience.
- New switchroom, power transformers and associated infrastructure delivered as part of the brownfield upgrade.
- Complex stakeholder interfaces coordinated within critical shutdown windows to support safe and efficient delivery.

CHALLENGES OVERCOME

- **Working around an operational earth grid.** Extensive civil works and trenching were required around the existing earth grid. Temporary earth-grid configurations were modelled and designed before inground works commenced to manage step and touch potentials throughout construction.
- **Safely modifying existing infrastructure.** Construction processes were developed to allow sections of the operational earth grid to be safely cut and relocated as works progressed.
- **Managing critical shutdown interfaces.** Shutdown periods required close coordination between all stakeholders.

DEGNAN

MINTO, INGLEBURN AND GUILDFORD SUBSTATIONS & POWER SUPPLY UPGRADE

Degnan delivered three traction substations at Minto, Ingleburn and Guildford as part of the Rail Network Power Supply Upgrade, supporting increased power supply capacity across the network.







SECTOR
Energy

LOCATION
Sydney, NSW

CLIENT
Downer / TfNSW

PROJECT COMPLETION
September 2017

PROJECT VALUE
$10M approx.

DELIVERY MODEL
Construct

Engaged by Downer, Degnan delivered the civil, structural and building works across three sites, including bored concrete piles, floor structures, structural steel, façades, ventilation, oil containment and stormwater systems, retaining walls and security infrastructure.

Construction within live rail environments required careful planning and coordination with HV contractors and Sydney Trains to safely manage interfaces and operational requirements.

KEY OUTCOMES

- Three new traction substations successfully delivered in Minto, Ingleburn and Guildford.
- Civil, structural and building works coordinated across multiple sites as part of the broader Power Supply Upgrade.
- New infrastructure delivered within live operational rail environments.
- Close coordination with HV contractors and Sydney Trains supported integration with the wider power supply works

CHALLENGES OVERCOME

- **Delivering across three operational sites.** Required consistent planning and delivery across multiple locations.
- **Working within live rail environments.** The high-risk nature of construction within operational rail corridors required careful staging, access planning and coordination to safely progress the works.
- **Managing complex interfaces.** Close coordination with HV contractors and Sydney Trains was required to manage interfaces between Degnan's construction scope and the electrical and operational requirements of the new traction substations.

DEGNAN

ROOTY HILL NEW TRACTION SUBSTATION

Degnan delivered a new traction substation at Rooty Hill for NovoRail Alliance, supporting the introduction of the Waratah train fleet across the Sydney rail network.









SECTOR
Energy

LOCATION
Rooty Hill, NSW
Dharug Country

CLIENT
NovoRail

PROJECT COMPLETION
August 2013

PROJECT VALUE
$4M approx.

DELIVERY MODEL
Design & Construct

The Design & Construct project included the new substation from the suspended concrete slab upwards, integrating structural steel, architectural finishes, precast blast walls, transformer-bay security, internal fit-out and associated civil works. Constructed within three metres of the operational rail corridor and within restricted work areas, the project required careful planning, coordination and controls to safely manage the interface with live rail operations.

KEY OUTCOMES

- New traction substation delivered to support the rollout of the Waratah train fleet.
- Integrated structural, architectural, security and civil works delivered as part of the new facility.
- Works successfully delivered immediately adjacent to the operational rail corridor within restricted site conditions.
- Project-specific safety, environmental and quality controls implemented to meet stringent HSEQ requirements.

CHALLENGES OVERCOME

- **Working adjacent to live rail operations.** Construction took place within three metres of the operational rail corridor, requiring early identification of construction risks and appropriate controls to protect the workforce and existing infrastructure.
- **Delivering within a restricted site.** Restricted site conditions required careful planning and coordination of construction activities, access and interfaces
- **Integrating diverse construction elements.** The project brought together structural steel, concrete, blast protection, architectural finishes, security infrastructure, internal fit-out and external civil works within the completed substation facility.

DEGNAN

WESTCONNEX M5 MOTORWAY CONTROL CENTRE AND SUBSTATION

Delivery of the M5 Motorway Control Centre (MCC) and Substation, bringing together complex civil, structural, building and services infrastructure within the Burrows Road motorway operations complex.





SECTOR
Transport Infrastructure

LOCATION
St Peters, NSW
Bulanaming Country

CLIENT
TfNSW - in partnership with CPB Dragados Samsung JV (CDSJV)

PROJECT COMPLETION
November 2019

PROJECT VALUE
$20M approx.

DELIVERY MODEL
Construct

Working for Transport for NSW in partnership with CPB Dragados Samsung JV, Degnan delivered works spanning site establishment and substructure through to structural steel, building envelopes, building services and internal fit-out.

KEY OUTCOMES

- Completed the new M5 Motorway Control Centre (MCC) and Substation within the Burrows Road motorway operations complex.
- Delivered civil and substructure works including footing beams, pile caps, lift pit works, subgrade preparation and stormwater drainage.
- Completed reinforced concrete, structural steel, precast panel and suspended slab works for the MCC.
- Delivered the Substation building envelope, including roofing, cladding, doors, roller shutters, louvres and external finishes.
- Completed the MCC building envelope and internal fit-out, including high-level services to the data and office areas.

DELIVERY COMPLEXITIES

- Coordinating civil, structural, building, services and fit-out works across the MCC and Substation.
- Managing the staged construction of the MCC, including reinforced concrete, suspended slabs, structural steel and precast elements.
- Integrating the building envelope, roofing, cladding and modular panel systems with the structural works.
- Coordinating high-level building services and internal works across the data and office areas.
- Delivering the Substation envelope to watertight stage, incorporating roofing, cladding, doors, roller shutters, louvres and external finishes.

DEGNAN

MONASH / NOTTING HILL SUBSTATION

Working with RSGX, Degnan is delivering the civil infrastructure for the Monash / Notting Hill substation, providing critical power to support tunnelling and construction of the new Monash underground station as part of the Suburban Rail Loop.









SECTOR
Energy

LOCATION
Melbourne, VIC

CLIENT
RSGX

PROJECT COMPLETION
February 2026

PROJECT VALUE
$4M approx.

DELIVERY MODEL
Construct

The works include management and coordination of trades and suppliers, underground conduits and cabling, concrete foundations, earthing and bonding, access roads and associated excavation works.

KEY OUTCOMES

- Civil infrastructure delivered to support power supply for the TBMs and Monash underground station construction.
- Multiple trades, suppliers and civil work packages coordinated under Degnan's management.
- Underground conduits, cabling, foundations, earthing and associated infrastructure integrated across the site.
- External authority requirements, permits and site interfaces managed as part of the delivery.

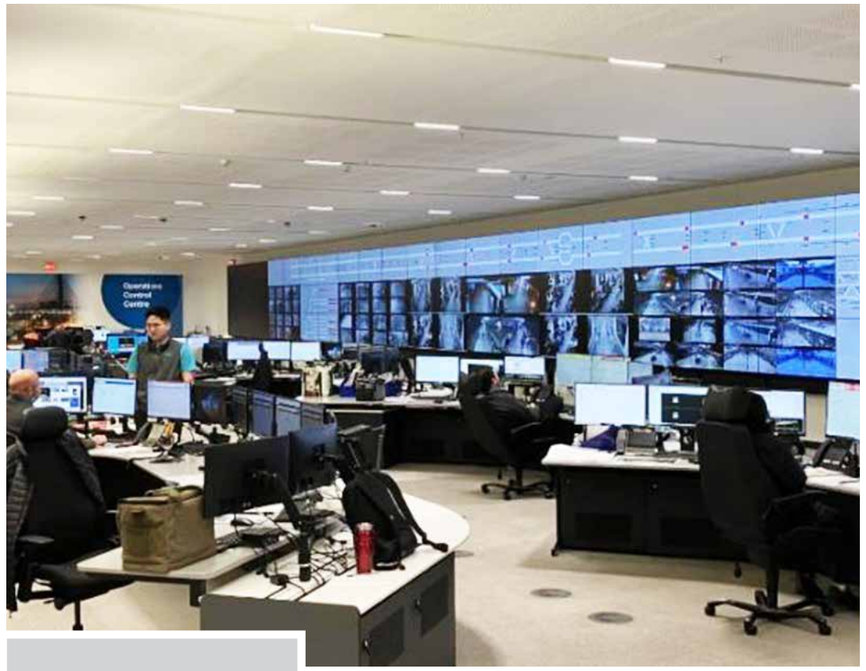
CHALLENGES OVERCOME

- **Supporting a major infrastructure construction program.**
  Works required coordination around the broader Suburban Rail Loop construction program, with the substation providing critical power infrastructure for TBM and station construction activities.
- **Managing multiple interfaces.**
  Degnan coordinated trades, suppliers, site activities and external authorities to manage interfaces across the civil works package.
- **Coordinating underground infrastructure.**
  Excavation, trenching, conduits, cabling, earthing and concrete works required careful sequencing and coordination to integrate the new infrastructure across the site.

DEGNAN

SYDNEY METRO OPERATIONS CONTROL CENTRE

Degnan delivered the Operations Control Centre expansion to support Sydney Metro's extension into the City & Southwest, providing the space and infrastructure required to manage the extended network.









SECTOR
Transport Infrastructure

LOCATION
Rouse Hill, NSW
Darug Country

CLIENT
Sydney Metro

PROJECT COMPLETION
August 2023

PROJECT VALUE
$13M (approximate)

DELIVERY MODEL
Design & Construct

Operating 24/7, the OCC provides centralised monitoring and control of the Sydney Metro network. Degnan's multidisciplinary scope included electrical, mechanical, fire, hydraulic and fit-out works, together with interfaces to existing data rooms and supporting infrastructure.

KEY OUTCOMES

- Expanded the OCC to support the operation of the Metro North West and Sydney Metro City & Southwest lines.
- Delivered the design, construction and systems integration required for the expanded facility.
- Completed electrical, mechanical, fire, hydraulic and fit-out works within a live operational environment.
- Integrated new infrastructure with existing OCC systems and operational data rooms.
- Delivered an external mechanical enclosure and transformer generator unit.
- Created additional capacity for the continuous monitoring and control of the expanded Sydney Metro network.

CHALLENGES OVERCOME

- Delivered construction and systems integration works while the OCC continued supporting 24/7 metro operations.
- Managed interfaces with live data rooms and existing operational systems.
- Coordinated electrical, mechanical, fire, hydraulic and fit-out disciplines within a tightly controlled operational facility.
- Maintained safe access and minimised disruption to ongoing OCC activities.
- Integrated new services and infrastructure with the existing facility while maintaining design cohesion and long-term maintainability

DEGNAN

BUILDING TOMORROW TOGETHER

DISCOVER MORE OF DEGNAN'S
PROJECTS AND CAPABILITIES

DEGNAN

BUILDING TOMORROW TOGETHER

SYDNEY

50-56 Barry Avenue
Mortdale NSW 2223
02 9584 0277

BRISBANE

Level 2, 200 Mary Street
Brisbane QLD 4000
07 3709 4229

MELBOURNE

Level 8, 80 Dorcas Street
Southbank VIC 3006
03 9970 4559

All rights reserved. No material may be reproduced without prior permission.