DEGNAN

BUILDING TOMORROW TOGETHER

OPERATIONAL INFRASTRUCTURE

Specialist capability in complex live environments



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CONTENTS PAGE

Complex Operational Infrastructure	6
Operational Systems and Services	8
Energy and Power Delivery	10
Accessibility Delivery	12
Lifts and Escalators	14
Operational & Maintenance Facilities	16
Innovation in Delivery	18
Featured Projects	20

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.

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MESSAGE FROM
CHRIS DEGNAN



Complex operational infrastructure requires more than technical capability. We know from experience that successful delivery comes from understanding the assets, systems and interfaces already in place, and how to work around the operations that need to continue.

At Degnan, we're proud of the trust we've built through delivering complex infrastructure. We bring that same delivery approach to rail, transport, energy and other critical infrastructure environments, supported by strong technical and engineering expertise. Working closely with our clients and delivery partners, we integrate new and upgraded infrastructure with existing assets and manage the complexity that comes with working around ongoing operations.

Complex environments demand practical experience, technical expertise and a clear understanding of what needs to keep moving.

Whatever the infrastructure, our approach remains practical. We understand the environment, manage the interfaces and deliver with long-term performance in mind.

CHRIS DEGNAN

Managing Director

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Delivering infrastructure within operational environments requires a clear understanding of what needs to keep moving. Degnan brings practical delivery experience to complex projects where existing assets, systems, customers and operations must be carefully considered throughout construction.

We know successful delivery in complex environments depends on the ability to adapt as conditions change.

WORKING WITH EXISTING INFRASTRUCTURE

We deliver new and upgraded infrastructure within operational assets, facilities and systems, carefully planning interfaces between new works and the surrounding environment.

MANAGING COMPLEX INTERFACES

Complex projects bring together multiple disciplines, contractors, stakeholders, assets and operating requirements. We coordinate these interfaces to support safe, practical and efficient delivery.

INTEGRATING SYSTEMS & SERVICES

From building services and operational systems to power and supporting infrastructure, we coordinate multidisciplinary works to integrate new infrastructure with existing environments.

PLANNING AROUND OPERATIONS

We plan and stage works around access requirements, operational constraints and available work windows to minimise disruption and support ongoing operations.



Loganlea Station Relocation QLD | Complex staging and interfaces



Lawson Station and Subway Upgrade | Coordinating multiple disciplines



Wolli Creek Platform Canopies | Planning around live station operations



Moss Vale Station Upgrade | Working with existing infrastructure

OPERATIONAL SYSTEMS AND SERVICES



Sydney Metro Operations Control Centre

Operational environments depend on multiple systems and services working effectively alongside existing infrastructure. Degnan brings practical delivery experience to these environments, managing multidisciplinary works and critical interfaces around the requirements of ongoing operations.

We bring infrastructure, systems and services together to support the complex operations that rely on them

INTEGRATING WITH EXISTING OPERATIONS

Works coordinated around existing assets, systems and operational requirements to manage interfaces and support continuity throughout delivery.

MULTIDISCIPLINARY DELIVERY

Multiple disciplines and work packages coordinated to bring infrastructure, services and supporting systems together.

BUILDING SERVICES

Electrical, mechanical, fire, hydraulic and supporting services coordinated as part of wider infrastructure delivery.

FIT-OUT & FACILITY INTEGRATION

Structural, building and fit-out works delivered around the technical and operational requirements of each facility.

SYSTEMS & INFRASTRUCTURE INTERFACES

Interfaces between new works, existing infrastructure and supporting systems carefully coordinated throughout delivery.

PLANNING AROUND CONTINUITY

Construction, access and work activities planned around operational requirements to minimise disruption and support ongoing operations.


Queensland Rail Normanby Train Wash Facility


Sydney Metro Operations Control Centre Expansion


Sydney Metro Platform Screen Door Testing Platform


Victoria Metro Calder Park operational and maintenance facility

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Degnan delivers energy and power infrastructure, coordinating civil, structural and electrical works across the renewal, upgrade and integration of critical network assets.

HIGH VOLTAGE INFRASTRUCTURE

We deliver and upgrade high voltage infrastructure, coordinating civil, structural and electrical works within complex project environments.

SUBSTATIONS & FEEDER STATIONS

We deliver new and upgraded substations and feeder stations, including the infrastructure, buildings and supporting works required around critical power assets.

BROWNFIELD UPGRADES

We deliver upgrades within existing power infrastructure, carefully coordinating new works around operational assets, existing services and site constraints.

POWER SUPPLY & DISTRIBUTION

We coordinate power supply and distribution works, including transformers, cabling, reticulation, earthing systems and associated civil infrastructure.

SYSTEM ENERGISATION

We coordinate isolations, cutovers and energisation requirements, working closely with clients, asset owners and specialist delivery partners.

ASSET & NETWORK INTEGRATION

We integrate new and upgraded infrastructure with existing power assets and networks, carefully managing interfaces to support safe, practical delivery.

We deliver and upgrade the infrastructure that keeps critical networks moving.



Queensland Rail Caboolture Substation



Rooty Hill Traction Substation



Sydney Metro Operations Control Centre Expansion



Victorian Suburban Rail Loop Substation in Monash

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Degnan has contributed to successive generations of accessibility investment, delivering infrastructure that improves access, safety, amenity and connections across transport environments. Our approach has evolved alongside changing standards, technologies and passenger expectations.

ACCESSIBLE STATION UPGRADES

Station upgrades that improve access, passenger facilities and connections within existing transport environments.

PASSENGER AMENITIES

Improvements to station facilities and passenger environments alongside accessibility works, supporting safer and more functional transport spaces.

LIFTS & ACCESSIBLE CONNECTIONS

Lifts, footbridges, pathways and other accessible infrastructure that improve connections and movement through stations and transport environments.

INTEGRATION WITH EXISTING INFRASTRUCTURE

Accessibility upgrades planned around existing station infrastructure, carefully managing interfaces between new works and operational assets.

STAGED DELIVERY

Works planned and staged around passenger access and station operations to reduce impacts throughout delivery.

EVOLVING ACCESSIBILITY

As accessibility programs have evolved, so have we, adapting our delivery approach to changing standards, technologies and passenger expectations across successive generations of transport investment.

We know better access creates better connections. That shapes how we deliver safer, more accessible environments.



Unanderra Station Upgrade



Unanderra Station Upgrade



Como Station Upgrade



Moss Vale Station Upgrade

LIFTS AND ESCALATORS PROVEN EXPERTISE

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Degnan has built specialist capability in lifts and escalators across transport environments. From new installations and upgrades to renewals and replacements, our vertical transport experience combines accessibility, passenger movement and integration with existing infrastructure.

LIFT UPGRADES & REPLACEMENTS

New and replacement lift infrastructure, including structural modifications, shaft works and integration with existing station infrastructure.

ESCALATOR RENEWALS & REPLACEMENTS

Escalator renewal and replacement works coordinated around existing infrastructure, access requirements and operational constraints.

LIVE ENVIRONMENT DELIVERY

Careful planning and staging to maintain station operations, manage passenger interfaces and safely deliver works within active transport environments.

ACCESSIBILITY INTEGRATION

Vertical transport integrated with station upgrades, accessible connections and surrounding infrastructure to support better passenger movement.

COMPLEX INSTALLATION & INTERFACES

Coordination of structural works, services, access, lifting activities and project interfaces required to install and replace vertical transport assets.

PROVEN EXPERIENCE

More than 100 lift and escalator projects delivered, building extensive experience across accessibility, asset renewal and passenger infrastructure.

Keeping people moving across some of Australia's busiest transport environments takes proven experience in the infrastructure that connects them.



Bowral Station Easy Access Project 2021



Circular Quay Station Renewal Upgrade 2022



Parramatta Escalator replacement 2025



Central Station Brisbane new escalator delivery 2026

OPERATIONAL & MAINTENANCE FACILITIES



Towradgi Station Upgrade

Operational and maintenance facilities play a critical role in keeping transport networks running. Degnan delivers new infrastructure, upgrades and renewals across these environments, bringing together building, civil, services and supporting infrastructure around the needs of operations and asset maintenance.

OPERATIONAL FACILITIES

Infrastructure that supports the day-to-day operation, servicing and maintenance of transport networks and their assets.

MAINTENANCE & SERVICING INFRASTRUCTURE

Facilities and supporting infrastructure designed to enable effective maintenance, servicing, presentation and ongoing asset performance.

BUILDING & CIVIL WORKS

Integrated building and civil works spanning operational buildings, trackside infrastructure, roads, drainage, pathways and associated external works.

SERVICES & SUPPORTING INFRASTRUCTURE

Building services and supporting infrastructure coordinated with the operational requirements of each facility and the assets it serves.

EXISTING ASSET UPGRADES

Renewal and upgrade works carefully integrated with existing buildings, services and operational assets to improve long-term facility performance.

PLANNING AROUND OPERATIONS

Construction activities planned and sequenced around access, operational requirements and existing facility activities to support continuity throughout delivery.

We deliver the facilities and infrastructure that enable assets to be serviced, maintained and ready for operation.



Broadmeadow Train Maintenance Facility



Towradgi Station SSER Building



Moss Vale Stabling Yard Upgrade



Fairymeadow Station Upgrade

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At Degnan, innovation is about finding practical ways to improve how infrastructure is planned and delivered. We apply project experience, new ideas and collaborative thinking to solve challenges, improve constructability and achieve better project outcomes.

PRACTICAL PROBLEM-SOLVING

Practical solutions developed around real project challenges, constraints and changing conditions.

CONSTRUCTION METHODOLOGIES

Delivery methodologies developed and refined to respond to site conditions, operational requirements and project constraints.

CONSTRUCTABILITY

Design and delivery decisions considered through a constructability lens to identify practical opportunities, manage risk and improve delivery.

NEW TECHNOLOGIES & MATERIALS

New technologies, materials and construction approaches considered where they can provide meaningful benefits to the project and its outcomes.

LESSONS LEARNED

Experience and lessons from previous projects applied to strengthen planning, decision-making and future delivery.

BETTER OUTCOMES

Innovation focused on practical improvements to safety, sustainability, constructability, efficiency and long-term performance.

We know innovation matters most when it solves a real problem, improves the outcome and creates something we can learn from.



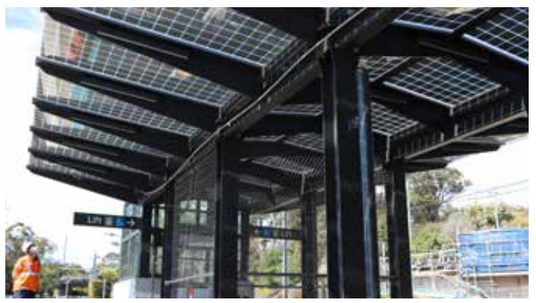
Sustainable Innovations: Foamed Concrete



Australian first: Container-top redeployable solar photovoltaic system



Engineering Innovation: Precision Lifting for smarter outcomes



Australian first: Solar photovoltaic glass canopy system

MOSS VALE STATION & STABLING YARD UPGRADE

COMPLEX OPERATIONAL INFRASTRUCTURE | EXPLORE HOW COMPLEX CIVIL, BUILDING, ACCESSIBILITY AND OPERATIONAL INFRASTRUCTURE CAME TOGETHER WITHIN AN ESTABLISHED OPERATIONAL RAIL ENVIRONMENT









CALDER PARK LIGHT SERVICE FACILITY

INTEGRATED INFRASTRUCTURE DELIVERY | EXPLORE HOW CIVIL, BUILDING, RAIL AND OPERATIONAL SYSTEMS CAME TOGETHER TO DELIVER A PURPOSE-BUILT TRAIN MAINTENANCE FACILITY.









BROADMEADOW TRAIN MAINTENANCE CENTRE

MAINTENANCE & ASSET RENEWAL | EXPLORE HOW AGEING INFRASTRUCTURE AND BUILDING SERVICES WERE RENEWED WITHIN AN OPERATIONAL RAIL FACILITY









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INNOVATION

EXPLORE PRACTICAL EXAMPLES OF INNOVATION, COLLABORATION AND SMARTER DELIVERY ACROSS OUR PROJECTS.









PROVEN EXPERTISE

A LEGACY OF ACCESSIBILITY | EXPLORE HOW DECADES OF UPGRADES AT PARRAMATTA STATION HAVE IMPROVED ACCESSIBILITY AND PASSENGER MOVEMENT WITHIN A BUSY OPERATIONAL ENVIRONMENT.









SYDNEY METRO OPERATIONS CONTROL CENTRE

SUPPORTING CRITICAL OPERATIONS | EXPLORE HOW INTEGRATED SYSTEMS AND SERVICES WERE DELIVERED WITHIN SYDNEY METRO'S LIVE OPERATIONS CONTROL CENTRE TO SUPPORT AN EXPANDING NETWORK.









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BUILDING TOMORROW TOGETHER

DISCOVER MORE
OF DEGNAN'S
PROJECTS AND CAPABILITIES

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