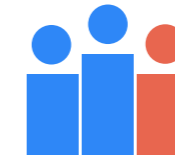


ELECTRICAL INFRASTRUCTURE



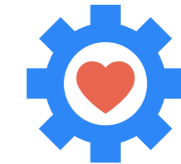


OUR GUIDING PRINCIPLES



People are everything

We **value diversity and inclusion** and strive for the power of collective wisdom by encouraging individual competition, but not at the expense of a strong team. We **reward on merit** while seeking out people prepared to **engage ethically and responsibly** with the skills and imagination to aspire to reach the highest levels.



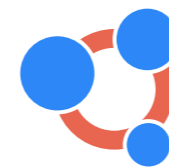
Doing the right thing

Doing the right thing is an **individual priority** and a **collective imperative**. We behave ethically and responsibly when faced with tough decisions about the **sustainability of our environment, the health and wellbeing of our people and our communities, and the safety of our work sites.**

ABOUT US

Pensar offers insightful, original design thinking, implemented by a team with proven expertise to deliver flexible fit-for-purpose critical infrastructure solutions. We design and realise infrastructure solutions for a range of industry segments, providing a broad spectrum of technical capabilities to serve the diverse needs of government departments, regional and metropolitan councils and the private sector.

With a unique combination of dependable technical skills and proven experience, our clients can choose to draw on one or many of these capabilities according to their project requirements across process water infrastructure, non-process water infrastructure, specialist infrastructure, infrastructure rehabilitation and electrical infrastructure.



Relationships matter

Relationships are built on trust and collaboration. We recognise the **power of partnerships** that put the **project first** and are **solutions focused**. We adhere to the principle of no surprises and the rule of producer/leader/manager to ensure our key people are always close to the action.



Bias for action

We have a bias for action, reinforced by **radical transparency and truth**. We make a powerful commitment to every project and **hold ourselves accountable** to get the job done. We will never be afraid to act when faced with uncertainty and recognise the critical importance of timely, **informed decision making.**



Always improving

We are always improving. Not to be the biggest but to be the best through **constant innovation** and **continuous improvement** of ourselves, our systems and our work practices and methods. We deliberately **engage a growth mindset** that embraces change, accepts mistakes and learns from them, says no to what is not working and **strives for excellence.**



Pensar's approach to project delivery has established long-standing relationships with clients, who benefit from a company who consistently delivers on expectations.

INDUSTRY SOLUTIONS

Pensar provides a range of electrical LV and HV design, and installation and maintenance, including instrumentation and control systems, intelligent transport system (ITS) installations, substations, street lighting, industrial works and above and in-ground electrical reticulation for new and existing subdivision projects.

Our team has expertise in the full lifecycle of electrical and mechanical infrastructure projects, from design to manufacture, implementation and commissioning.

Pensar has the capability to deliver both stand-alone electrical and mechanical projects, and complex process installations for a range of clients.

We are the preferred contractor on many sustaining capital delivery program works across key governments, water authorities and councils.







Pensar handled initial design workshops through to completed construction.

PROJECTS

North Pine HV Upgrade Seqwater

Design and Construct

Due to aging infrastructure, Pensar was engaged to upgrade the North Pine Water Treatment Plant's HV infrastructure.

Works included the design, supply, construction, and installation of the HV switchboard, control systems and cabling.

The existing cabling was replaced along with the upgrade of the two dedicated Energex feeders from the Zone Substation and upgrades to the Energex metering room.

At the beginning of the project, Pensar conducted a HV workshop to ensure that a solutions-based outcome was achieved throughout the design process.



OUR CAPABILITIES

Pensar has extensive experience in electrical infrastructure and recognises the wide and varying range of requirements that each individual project can present.

Our team of highly experienced engineers and specialists carefully consider the design and planning phase of each project, ensuring clients are delivered a solution that is both technically feasible and cost-effective.

Our skills complement each other and as well as electrical infrastructure, stretch across process water infrastructure, non-process water infrastructure, specialist infrastructure and rehabilitation infrastructure ensuring our clients' peace of mind for the current work and their longevity into the future.

Key capabilities

- Electrical Engineering
- LV and HV Distribution
- Industrial
- Control Systems
- Traffic Signals
- Street Lighting
- Electrical Infrastructure Maintenance
- Utility Engineering and Management





PROJECTS



Traffic Signal Panel Works Brisbane City Council

Construction

Under this three-year contract, Pensar undertook more than 150 minor works projects to repair or replace damaged traffic signal assets.

Requests for tender (RFTs) had to be responded to within 48 hours and works had to be completed within ten days.

Works included the installation of pedestrian posts, joint use and mast arm poles, recovery of existing poles, lanterns and footings, excavation and installation of new footings, minor civil works and all electrical operations and testing.

PROJECTS

Kirkwood Treated Water Booster Pump Station Gladstone Area Water Board

Design and Construct



With the future expected growth of the Calliope region, Pensar was engaged for the construction of the new Kirkwood Booster Pump Station.

Pensar delivered the electrical, structural, hydraulic and electrical components of the new asset.

Works included the supply and installation of the main switchboard and distribution boards, connection to Ergon Energy mains power, conduiting, pits and cabling reticulation, and the supply and installation of monitoring and control instrumentation equipment.



Yeerongpilly Green Hutchinson Civil

Construction



Pensar was involved in the delivery of Stage 1 and 2 of this urban renewal development at Yeerongpilly.

The project team delivered the street and park lighting packages, traffic signals, HV and LV reticulation and communications infrastructure.

Works included the supply and installation of Energex, NBN, Telstra and Brisbane City Council signals, gas and Rate 3 lighting infrastructure and supply and installation of architecturally designed feature lighting.

PROJECTS

Runway Visual Range Brisbane Airport Corporation

Design and Construction



Working to a tight completion deadline, Pensar delivered a new runway visual range system that allowed for the safe landing and take-off of aircraft in low visibility at the Brisbane Airport.

To assist with the project program, Pensar proposed and implemented a design change which reduced the conduits required depth.

Works included the installation and commissioning of a customised runway visual range system, including equipment in airside buildings, installation of 3km of 10 conduit bank reticulation, 120 precast concrete pits, and the design and installation of 260m of conduit under live aircraft taxiways.

Brisbane South State Secondary College Energex Works Broad Construction

Construction



The Brisbane South State Secondary College consisted of a multi-purpose hall, learning and creative hubs, administration and staff centre, canteen, health and well-being hub, learning plaza, outdoor spaces and courts, carpark, pick up/drop off zone and end-of-trip facilities.

Pensar was engaged for the delivery of the Energex large customer connection, Rate 2 lighting, the construction of a new traffic signalised intersection and upgrade of the existing signalised intersection.

PROJECTS



Branyan Drive Signals Bundaberg Regional Council

Construction

Pensar was engaged to improve the safety of pedestrians and motorists across three intersections. Works also included the upgrade of public access to a local park. The associated infrastructure included construction of footpaths, pram ramps, bus stop, and refuge island and resurfacing of the roadway through the intersection with a new access way for a local daycare centre.



Wamuran Irrigation Scheme HV and Distribution Design Unitywater

Design

The Wamuran Irrigation Scheme (WIS) has been designed with the intention of delivering Class A recycled water for agricultural irrigation. This scheme is a large-scale project, requiring a high voltage feed through an Energex 11kV feeder, as well as a HV switchboard and six distribution transformers. Pensar completed the LCC and HV design with a view to construct.



Brisbane Markets Energex HV Works Brisbane Markets Limited

Construction

Pensar was engaged to deliver new Energex infrastructure to the construction of a new cold storage facility. The project involved the construction of two elevated outdoor substations (due to flood levels of the area), installation of conduit infrastructure and HV cable, recovery of existing overhead lines, switching and commissioning of the substations.



Gold Coast Light Rail CPB Contractors

Construction

This project involved extending the light rail system including 7.3km of new track and three new stations. Surrounding roads were upgraded and new car parks constructed. To allow for the construction of the new rail line, existing infrastructure and overhead services were relocated. Pensar were engaged to install new assets for the relocation of Energex high voltage services, the construction of four TPIS Substations and the install of the Rail Corridor Lighting System.

OUR MANAGEMENT SYSTEMS

Pensar maintains a well-documented management system that serves as an effective risk management tool and communicates our quality assurance, workplace health and safety and environmental management processes.

Safety

Pensar strives to be recognised as an industry leader in health and safety performance and follows industry best practice. Safety is our highest priority and our very low Workers Compensation Premium Rates are evidence of our proven health and safety systems and culture.

INDUSTRY WORK COVER PREMIUMS

INDUSTRY PAYS	PENSAR PAYS
\$2.10	\$0.21

Clients

Our philosophy of consistently delivering on expectations has created enduring relationships with some of Australia's most valued infrastructure developers. We take extreme pride in the diversity and quality of the projects we deliver. It is the breadth, depth and significance of our clients that has enabled us to establish and grow successfully for many years.

Industry Certifications and Accreditations

GRS Quality Management System, Certificate number: 4779001610075

GRS Environmental Management System, Certificate number: 47714001610075

GRS Occupational Health & Safety Management System, Certificate number: 47745001610075

OFSC: Pensar Water, Pensar Building, Pensar Project Infrastructure: Certificate number: 341

Building Services Authority PQC3

Energex Accreditation Rating WCS2, 34, 37 & 61

Ergon Energy Approved Suppliers Register Rating B

Austrroads DS6 - BM/F2 (Tasmania)

Licences

QBCC Contractor Licence 1081361

QLD Government Electrical Contractor Licence 76158

NSW Government Contractor Licence 266065C



We take extreme pride in the diversity and quality of the projects we deliver.





Get in Touch

Brisbane

8 Hockings Street
South Brisbane, Qld 4101
PO Box 3950
South Brisbane BC
Qld 4101

Gold Coast

Building 4
93 Burnside Road
Stapylton
Qld 4207

Sunshine Coast

Unit 2
88 Link Crescent
Coolum Beach
Qld 4573

Newcastle

8/21 Merewether Street
Newcastle
NSW 2300

Somersby

211 Wisemans Ferry Road
Somersby
NSW 2250

Tasmania

629/111 Macquarie Street
Hobart
Tas 7000

T 1300 083 042

E enquiries@pensar.com.au

W pensar.com.au

