yurika

WORKING WITH INDUSTRY

Mining

We are yurika

Part of Energy Queensland

Scan to watch We are Yurika video

Who we are

Established in 2016, we're part of Energy Queensland, Australia's largest government—owned electricity company.

Electrical infrastructure services are at our core, but you'll be surprised at the depth and breadth of services we offer, and customers we serve. We're an experienced, licensed, certified and accredited delivery partner servicing Australia wide.

We work across everything from electricity networks to solar, wind and battery projects, through to metering, telecommunications, EV charging and the supply of electrical infrastructure products.

Our services for mining include:

- ELECTRICAL PRODUCTS
- ELECTRICAL BALANCE OF PLANT
- TRANSMISSION AND DISTRIBUTION
- BATTERY ENERGY STORAGE SYSTEMS
- MICROGRIDS
- TELECOMMUNICATIONS
- METERING
- ELECTRIC VEHICLE CHARGING INFRASTRUCTURE

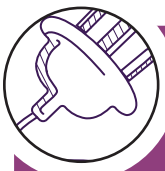
Our approach

Explore our full turnkey solutions.

Whether it's a complete solution, or just a small part of the project, we match our services and product selection to meet specific circumstances, budget and needs.

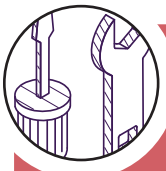
Advise

We provide independent, expert, and unbiased advice so you can make informed, evidence-based decisions.



Supply

With an extensive range of in stock electrical supplies, we offer state-wide warehousing facilities, with competitive pricing and lead times.



Deliver

We deliver energy and telecommunication infrastructure, and also deploy smart metering devices nationally.

Operate and manage assets

We have a trusted reputation for operating and maintaining high-voltage networks, energy assets, sites and infrastructure.

We’re powering the mining transition.

As a full-service energy and connectivity provider, we are working closely with the mining industry to develop and deliver innovative solutions that support a more sustainable future.

Supporting the transition to sustainable, reliable and affordable energy.

We provide cost-effective and sustainable solutions to counter-act energy intensive mining operations. Whether it’s solar, wind, hydro-electric power, or battery energy storage, we work closely with you to deliver more sustainable and reliable energy options. Our services also include standalone, hybrid, and microgrid systems, supporting remote areas and enabling uninterrupted and backup power supply.

Communication and data management

Efficient communication and data management are crucial for safety and productivity.

High speed connectivity

Reliable internet and point-to-point services for real-time communication data transfer, and remote monitoring, via fiber optics, microwave, satellite, or wireless technology. Our internet services connect mining and construction accommodation camps to the world, enabling on-site teams to connect to their families, and watch streaming services as they would at home.

Hosting of critical infrastructure and data

We offer access to secure high availability data centres across Australia to ensure ongoing security of hardware and information. Our regional data centres enable more direct data processing, closer to the data source.

Remote network monitoring

24/7 monitoring improves safety, efficiency, and reduces risk in remote or hazardous areas. Our team is ready and available to tailor a solution fit for your business.

Telco featured project

Keeping FIFO workers connected to home

Fly-in, fly-out (FIFO) work can be tough, not least for the sense of isolation many experience working away from their friends and family for long stretches of time.

Approximately 60,000 Australians work under FIFO arrangements, and the ability to communicate regularly, privately, and effectively is an important factor in addressing the challenges of isolation.

Most of us take for granted our easy access to quality, reliable internet services, but for many FIFO workers, it is a lifeline to home not always available. Take away our ability to FaceTime our children, message our mates, stay in the loop with our social networks, or keep up to date with the latest TV series and see how that impacts our mood and mental health.

One of the most important things you can offer a FIFO worker is the ability to stay connected to friends, family, and everyday life at home. A fast, reliable internet service is an essential part of any remote work camp, and it's what Yurika provides to many worksites across Queensland.

Electrical connections and infrastructure

Our full turnkey transmission and distribution services provide safe and reliable electricity to any mine site. We plan and design your electrical infrastructure through to full delivery, operation and maintenance. We can help your mine site run safely, reliably, and as planned.

From pre-contract work, including planning, modelling, and design, right through to construction of medium (MV), high (HV) and extremely high voltage (EHV) transmission and distribution networks; we deliver expert supervision, and a smooth commissioning process.

Our transmission and distribution maintenance options cover full service during annual shut-downs, maintenance of overhead and underground lines, responsive breakdown works and substation services.

24/7 support by our service technicians and electrical engineers is our guarantee that your high voltage systems are compliant and operate at peak performance.

As an Accredited Service Provider (ASP1 and ASP3), we bring our engineering expertise to the construction and design of high voltage network assets. Our team is backed by industry-leading workshop facilities, providing fabrication, machining, panel construction, wiring, and pre-testing services.

With teams ready to deploy Australia-wide, our on site services cover:

- end to end switchyard maintenance
- circuit breakers, switches, isolators, and recloser devices
- dead tank circuit breakers and current transformers (CT)
- SF6 and air insulated switchgear
- motor control centres (MCC)
- transformer supply, installation, testing and maintenance
- substation design, construction and maintenance including packaged mining and industrial substations
- poles and wire inspections including supply, installation and maintenance on low, medium, and high voltage cables
- power factor correction units
- high voltage switchboards
- heavy current low voltage switchboards and circuit breakers
- generator connection services
- battery chargers and uninterrupted power supply (UPS) systems
- general maintenance activities
- installation and commissioning services.

Protection and control systems

SCADA (Supervisory Control and Data Acquisition) systems are crucial for the continuous monitoring and controlling of network infrastructure which require robust protection and measures to ensure operational integrity and prevent energy disruptions.

As designers and manufacturers of protection systems we understand the requirements of network availability and reliability.

Our teams are across secondary systems including protection relays, power quality metering equipment, SCADA, and communications equipment and have implemented these services extensively.

Our protection services include:

- protection relay testing, calibration and repair
- primary and secondary testing of protection systems
- heavy current, low voltage CB injection testing
- earth leakage relay testing
- upgrading of protection systems
- fault studies, protection grading and protection system audits
- long distance differential testing
- HV sticks, gloves and working earth testing.

High voltage engineering and compliance management services

Our engineers can conduct regular inspections to prolong the life of your high voltage infrastructure and also provide correct operating procedures and documentation to ensure a safe working environment.

High voltage compliance audits

Regular high voltage inspections are essential to the safety of people, equipment and energy availability. Maintenance plans include inspections which can identify and prevent safety issues, minimising downtime, financial loss, and overall risk. We also audit electrical system documentation for high voltage installations.

We offer audit services across any high voltage asset to meet Australian standards.

- AS/NZ 3000
- AS 2067
- AS 3007

- power studies
- protection system reviews
- earth grid design and testing
- soil resistivity testing
- lightning studies

*Courtesy: Infravision – drone stringing of overhead power lines.

Powerline construction featured project

Cutting-edge innovation through drone stringing

Overhead powerline stringing through drone technology is fast emerging as a popular and more sustainable option, particularly with hard-to-reach energy infrastructure.

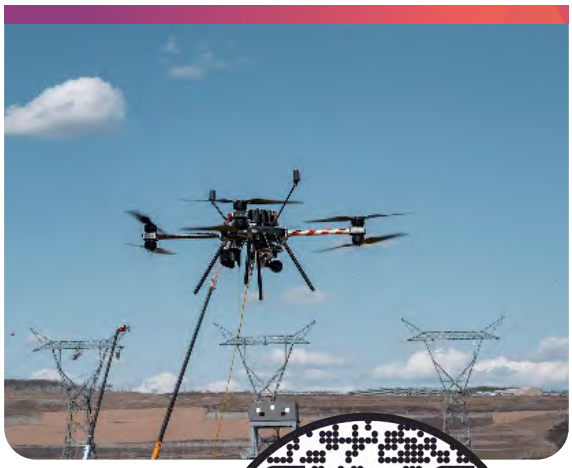
Proudly adopting this technology at several of our most recent sites, we're boosting efficiency and safety. We're also reducing environmental impact through carbon reduction by avoiding use of helicopters, and the need for heavy machinery and land disruption.

BHP Mitsubishi Alliance's Goonyella Riverside Mine is a metallurgical coal mine in Queensland's Bowen Basin. Yurika was engaged on this project to re-route a 66kV overhead powerline that ran through an area identified for future overburden soil dumping. The relocation would reduce truck cycle times and improve pit efficiency.

Yurika was engaged to design, manufacture, assemble, supply, erect, install, site acceptance test and commission the 66kV overhead powerline and applies to some ancillary loads along the Ramp 23 corridor. The site was steep, rocky and unstable underfoot, and it was important the construction minimise impact on existing mining activities and vehicle movements.

> To deliver the project safely and to schedule, Yurika worked hand in hand with Infravision to deploy purpose-built powerline installation drones to string powerline cable and attach line safety markers.

Following the success of this project, Yurika intends to expand the use of this technology on similar projects. The learnings extend beyond Yurika and offer an exciting alternative construction method for the wider industry and help make the work we do safer for everyone. This sustainable approach helps us protect natural ecosystems while maintaining reliable energy delivery and connection.

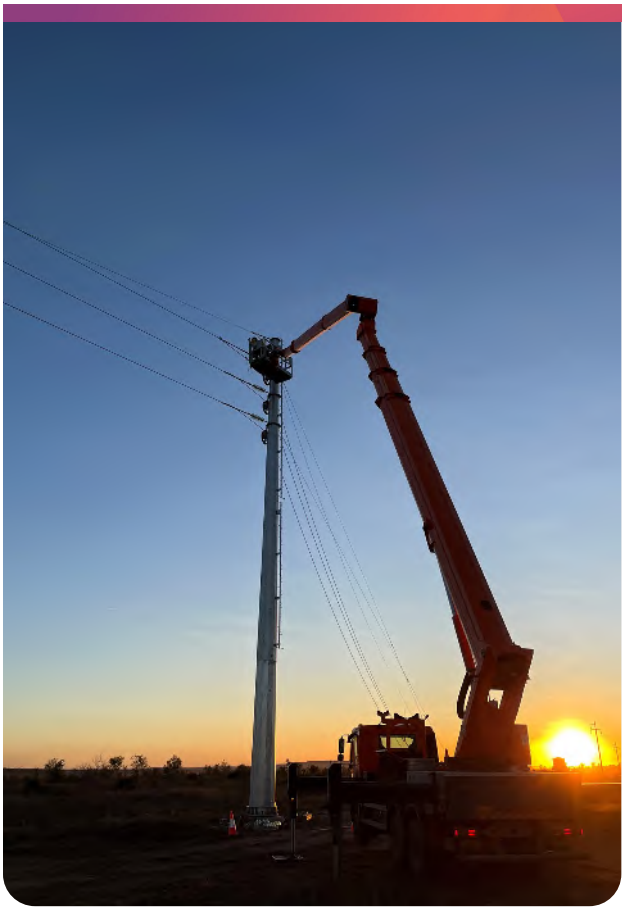


Scan to watch Goonyella innovation video

Operation and maintenance featured project

Yurika connects high-voltage and secures 25-year asset management contract

Our experience in high-voltage connections and long-term asset management has made us a trusted partner for a major mining complex, seeking reliable power as well as sustainable operations for the next 25 years.



As the principal contractor, Yurika has taken charge of connecting the Queensland mine site to the Distribution Network Service Provider through the construction of a 44 km 66kV transmission line and a 66/11kV mine substation.

The comprehensive project included design, procurement, construction, modular switchroom installation, civil works, site installation, testing, and commissioning and was all proudly delivered on time and within scope.

As well as the impressive and seamless connection, Yurika also installed new metering systems set to improve energy billing efficiency and ensuring that the mine site operates at optimal performance.

With a strong and dedicated focus on asset longevity, the project secured a 25-year maintenance contract, where Yurika will provide complete operational and maintenance services, keeping the customer's mine site assets fully functional and well-maintained.
This collaborative partnership ensures the mine site is powered reliably and efficiently, improving both operational performance and long-term asset management — critical elements for success in the mining industry.

Electric vehicle charging infrastructure

New regulation and environmental concerns are driving the conversion of diesel-powered vehicles to fully electric trucks.

Leveraging our experience with the deployment of electric vehicles (EV) and high voltage network infrastructure, we provide full assessment, design, supply, installation and testing of EV charging infrastructure and post-delivery operation.

Maintenance activities support continuous network monitoring through real-time, proactive fault detection and rectification activities.

We offer full integration of distributed energy resources including solar, wind, and batteries. This creates added value and benefits, through new revenue opportunities available via energy market trading.

Our asset management services:

- energy load management and charge scheduling
- comprehensive fault analysis
- proactive maintenance and 24/7 monitoring (mandatory maintenance and preventative maintenance compliance)
- user support with our experienced team
- reporting and analytics on your asset performance.

Data insight examples:

- vehicle location
- usage and trends
- charging duration

Distributed energy resource integration featured project

Making fly in, fly out accommodation more sustainable

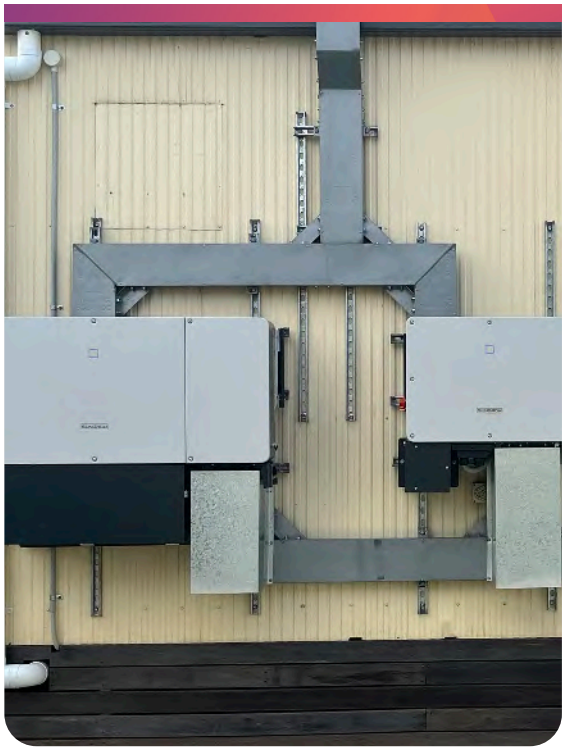
QANTAC, a leader in fly-in, fly-out (FIFO) accommodation solutions, is committed to making its operations more sustainable and cost effective. With over 2,400 accommodation rooms across Queensland and New South Wales, primarily servicing the mining and construction sectors, the company sought a solution to reduce its reliance on grid power and lower its environmental impact.

To achieve this, QANTAC partnered with Yurika to design, install, operate and maintain a solar and battery energy storage system (BESS) at two of its FIFO camps in Blackwater, Queensland. This initiative helps offset energy use, reduce costs, and improve energy security in the remote region.

We were engaged to deliver a fully functional solar and battery storage solution, including:

- solar generation: Installation of 2,500 solar panels on the roofs of individual accommodation units (dongas), common area facilities and administration rooftops, maximising space efficiency
- battery storage: Deployment of five 110kVA AC-coupled battery energy storage units, providing 1,150 kWh of energy storage capacity
- electrical infrastructure upgrades
- supply and installation of PV inverters
- engineered foundation pads for the BESS units
- installation of three primary and six secondary photovoltaic distribution boards
- associated cabling, wiring, terminations, and support systems.

> Serving as a model for the future of FIFO camps, QANTAC's Blackwater accommodation camp has integrated solar generation and battery storage.



Building energy efficiency

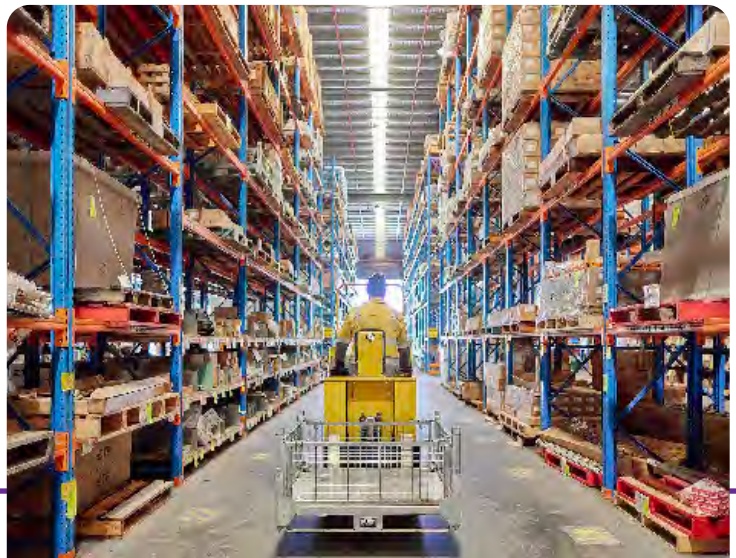
Accurate data helps identify high energy consumption areas and implement strategies for efficiency. Our smart metering and control systems enable real-time management of energy use across gas, electricity and water, optimising resources and improving operational performance. This informed decision-making and process optimisation supports more sustainable mining operations.

We offer future-ready connections, opening opportunities for revenue through virtual power plants.

- ON MARKET NEM METERING
- OFF MARKETING METERING
- DATA PROVISION
- INFODYNAMICS PLATFORM
- HV GRID CONNECTION COMPLIANCE
- 10 YEARLY HV CT/VT TESTING

Sustainable supply chain management

Our renewable energy solutions support responsible sourcing and supply chain management, enabling you to reduce your environmental impact. Our Energy Supplies team demonstrates its commitment to sustainable procurement practices and has access to over 27,000+ local electrical products in stock to choose from, servicing a wide range of mining projects across the Asia-Pacific region.



Supply chain featured project

Yurika powers Papua New Guinea mine with delivery of electrical products

Yurika's unique capability to consolidate and compliantly package materials for export and ocean freight continues to impress customers and set it apart.

Pacific Energy selected Yurika as the preferred supplier for essential electrical products bound for the Lihir Gold Mine in Papua New Guinea.

> "The materials have been shipped and air freighted to the Solomon Islands, Papua New Guinea and Manus Island to name a few...
>
> I have been involved with high voltage construction for over 35 years and have done projects in some of the most remote parts of Australia and the Pacific. The number one priority for remote projects is material logistics and the Rockhampton team understand this 100%. They are truly the best there is in this field of specialty."
>
> Project Manager, Pacific Energy Group —Geoff Williams

Coordinating project needs across a vast network of suppliers and internal teams, Yurika effortlessly met the project's critical timelines. Totaling a whopping 44,430kgs of products, the team expertly picked, packed, and prepared for dispatch, ensuring the goods arrived on time, undamaged, and without delay. This was done in accordance with international freight and shipping regulations meeting all compliance requirements.

The streamlined logistics and additional support significantly reduced processing times and costs, ensuring a smooth and efficient delivery.

We are

yurika

Part of Energy Queensland


Electricity Networks


Solar


Wind


Battery Energy Storage


Telecoms


Metering


Products


EV Charging


Microgrids

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