yurika

Capability Statement

We power communities and businesses by providing access to affordable, reliable, and sustainable energy solutions.

Yurika is committed to connecting respectfully with Queensland's Aboriginal and Torres Strait Islander peoples and communities. We acknowledge Aboriginal and Torres Strait Islander people as the First Nations people of Australia and the Traditional Custodians of this land and its waters. We pay our respects to Elders past, present and future for they hold the memories, the traditions, the culture, and knowledge of Aboriginal Australia.

yurika

Part of Energy Queensland

Belinda Watton

Executive General Manager
Yurika

In a decade of decarbonisation and net zero carbon emission targets, our energy ecosystem is evolving at a rapid rate as we continually shift the ways we make, move, store, and use energy. As we navigate through this energy transition Yurika is building capacity for change and powering possibility — changing the way people live and do business.

At Yurika, our aim is to make this energy transition easy for our customers through our many integrated solutions.

We act as a trusted partner connecting, supporting, and providing professional advice and services through this industry transformation.

We're working hard to enable greater benefit through energy and connectivity, empowering people to find new, sustainable solutions fit for tomorrow's world.

In this capability statement we provide you an overview of Yurika, our vision, our purpose, our people and, our commitment to driving positive value for your organisation through our comprehensive, longstanding capabilities.

Our capabilities extend across Energy and Infrastructure; Energy Supplies; Metering; Telecommunications, and Digital Services. From planning and design, through to build, construct, commission and ongoing operations and maintenance; we offer integrated, customised solutions across all our service lines.

We've built a positive reputation and are trusted nationwide by leading organisations, government bodies and local councils to help solve their most complex business challenges.

We look forward to working with you on your next venture and hope that together we can build a bright future, powering possibility for your business.

Regards,

Belinda

We are

yurika

Part of Energy Queensland

Who we are

Yurika is part of Energy Queensland — the largest, 100% government-owned electricity company in Australia. With a solid pipeline of work, we manage some of the most significant energy and renewable projects across the country. Through our rapidly growing national footprint, our teams span everything from electricity networks to solar, wind and battery projects, metering, EV charging and the supply of electrical infrastructure products.

Yurika operates Australia-wide as a trusted provider of high quality and cost effective electrical and communication infrastructure solutions. We have a proven track record of delivering on time and to budget. Drawing on our experience and expertise in the energy and telecommunications industries, our specialist products and services are focused on modern solutions tailored to individual customer needs.

We're proud of our strong reputation.

Trusted nationwide by leading organisations, government bodies and local councils to help solve their most complex business challenges, we've established a strong reputation through our cutting-edge technology and innovative solutions.

We energise and connect communities.

We commit to delivering solutions that energise and connect our communities.

We strive to leave a legacy that is fair and equitable in the way we do our work. We listen to the needs of our customers and communities by providing state-of-the-art, reliable services and products that help address even the most complex of business challenges.

We partner with our customers to deliver more choice and offer greater possibilities for Australian communities.

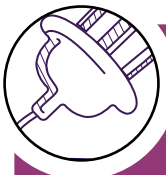
Our approach

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.

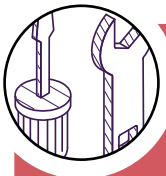
Advise

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, 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.

Our people

We're proud of our people and the diverse skills, knowledge and experience they bring to our products and services.

We're committed to diversity and inclusion, as well as ongoing learning and development encouraging transformative and innovative ways of thinking.

Delivering projects Australia-wide, our staff are based in Brisbane, Melbourne, Sydney, Hobart, Townsville, Cairns and Rockhampton.

We always put safety first.

Safe and reliable operation of our people, communities and customers is our top priority. We ensure our systems and processes fulfil regulatory and compliance obligations. We meticulously set and track assurance activities that improve health and safety as well as promote ongoing continuous improvement.

We have a values-driven culture

We're driven by a strong value-set that guides the way we work.

We work safe. We prioritise the physical safety and mental wellbeing of our people, customers and communities.

We belong. We embrace diversity, empower all to excel, and unite to become stronger together.

We grow. We foster both personal growth for collective success and innovation to build Queensland's energy future.

We deliver. We deliver on personal commitments to build our shared achievements.

Yurika at QIC Robina Town Centre

Our capabilities

Our team supports some of the most significant energy infrastructure projects in the country.

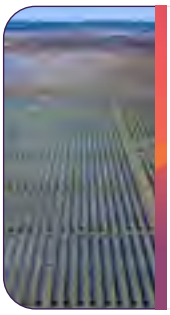
Electrical infrastructure services are at our core, but you'll be surprised at the depth and breadth of services we offer, and customers we serve.

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.

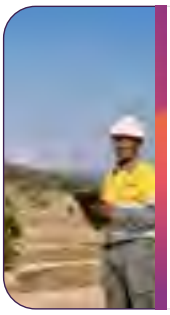
Electricity networks

We're experts in transmission, distribution, substations, and electrical balance of plant.



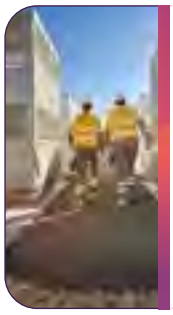
Solar

We connect solar to the grid and keep it operating efficiently.



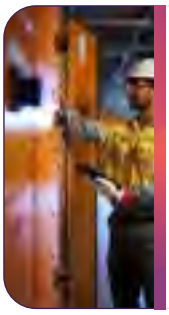
Wind

The biggest wind farms in Australia trust us with our balance of plant services.



Battery energy storage

We're boosting energy savings and resilience with some of the country's largest battery storage systems.

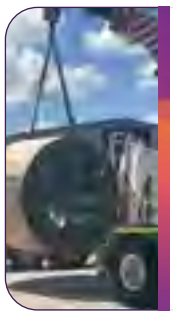


Metering

We provide industry-leading technology and data for energy, water and gas.

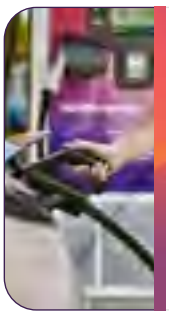
Telecoms

We deliver secure, reliable, and high-performance communication solutions for critical infrastructure.



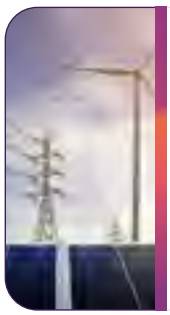
Products

We're a one-stop-shop for electrical supplies and equipment.



Electric vehicle charging

We're supporting operators to build sustainable, future-fit charging solutions.



Microgrids

Our microgrid solutions deliver decentralised, resilient and sustainable energy systems.

Scan to watch We are Yurika video

Energy and Infrastructure

Our experienced, on-the-ground crews adopt a collaborative approach with clients to execute our full turn-key solutions safely, every time.

Transmission & Distribution

We specialise in end-to-end, high voltage design, installation, maintenance, testing and commissioning. Our experienced engineering team provides solutions geared to meet a variety of client budgets and outcomes. We provide certified solutions aligned with all relevant national engineering Codes and Standards. Our engineers are registered as RPEQ, NPER and CPEng, further supporting our comprehensive list of industry qualifications.

Our extensive experience and expertise in design, manufacturing, installation testing and commissioning extends across a range of operations, including primary plant, civil and structural, secondary systems, protection and control, as well as communications and metering.

Pre-feasibility/Connection

Feasibility and financial analysis

We keep energy simple, offering extensive feasibility study services. These services present comprehensive analytical modelling for current energy bills and meter data, overlaying it with a view of what supporting infrastructure may be required at your site. We produce a financial summary that provides you a cohesive and detailed report which informs the options available to you in reducing your energy costs.

Option and solution development

Demonstrating expertise across grid connection, design and construction, we deliver:

- Technical solution options
- Loss factor assessments
- CAPEX-OPEX optimisation
- Technical compliance assessment.

Modelling and grid connections

Our experience working with network service providers exemplifies our ability to support grid connections throughout Australia. We provide comprehensive R1 & R2 testing, as mandated with the Australian Energy Market Operator, and in accordance with the Australian Energy Regulator, and have a highly experienced and qualified team of engineers who are well placed to negotiate and perform connection and GPS studies.

We deliver:

- Connection studies – PSSE and PSCAD modelling
- Support for registration of new/modified generator connections in line with Chapter 5 of the National Electricity Rules (NER)
- Network Service Provider connection liaison and support.

Delivery

EHV, HV & MV infrastructure

EHV – Extra High Voltage (275kV and above)

HV – High Voltage (66kV, 110kV, 132kV)

MV – Medium Voltage (11kV, 22kV, 33kV)

Our team provides full turn-key solutions, comprehensive project and site management and principal contractor agreements for 11kV – 275kV installations. We demonstrate extensive experience and expertise in design, manufacturing, installation testing and commissioning across a variety of operations, including primary plant, civil and structural, secondary systems, protection and control, as well as communications and metering. We offer state-of-the-art in-house testing and commissioning capability, and are NATA certified with a proven track record in meeting AEMO and NSP requirements.

Substations

Our factory-built solutions are an appealing alternative to brick-and-mortar construction, minimising wastage, enabling concurrent production unaffected by weather and allowance for offsite factory acceptance testing. Our products are precision engineered, constructed, and fitted out in our specialised production facility, delivered safely to site in a modular format.

We offer:

- Modular control and switch rooms manufactured in house
- Optimised high voltage substations (greenfield and brownfield)
- Fit-for-purpose, designed to suit client requirements and budgets

Modular manufacturing

We've supplied a range of factory-built solutions that have been tested under the harshest conditions for a range of major national infrastructure customers. With manufacturing facilities based in Brisbane, we draw on our long-standing experience in the energy industry to deliver modular manufacturing products and services focused on modern energy solutions and tailored to unique customer requirements. Our products are precision engineered to the strictest utility grade standards, constructed, fit-out and installed safely on site.

Our modular substations, control rooms, switch rooms, capacitor banks and skid base substations enable you to fast-track your projects in both brownfield and greenfield environments:

- Switch rooms
- Control rooms and communications centres
- Structural fabrications
- Protection and control panels
- In factory testing.

Testing and commissioning

Commissioning and testing of high voltage equipment is critical to the long-term performance and reliability of assets. We provide a wide range of testing and commissioning services from factory acceptance right through to commissioning and energisation.

These services include, but are not limited to:

- NATA Accredited Capability
- Meter Accuracy Testing
- CT/VT Accuracy Testing
- Factory Acceptance Testing (FAT)
- Site Acceptance Testing (SAT)
- R1 Testing
- R2 Testing.

Specialised high voltage test services

We deliver high voltage test services and diagnostics from state-of-the-art facilities on Brisbane's northside, along with mobile on-site services for clients. The specialist staff at the high current and voltage laboratories are available to comprehensively test and maintain equipment, delivering accurate and reliable diagnostics along with experience in electrical engineering, interpretation, and analysis. The field services team installs, overhauls, and maintains transformers and associated substation equipment.

We provide high voltage test and overhaul services:

- Transformers
- Bushings
- Insulators
- Metal enclosed switch gear
- Cables and transmission line and substation hardware
- Transmission and distribution switches.

High voltage specialist services

We rigorously test to Australian and international electricity standards and recommendations covering:

- Partial discharge
- Dielectric loss angle
- Radio interference voltage
- Visual corona
- Wet/dry power frequency withstand and flashover
- Dry lightning impulse critical flashover and withstand
- Wet and dry switching impulse critical flashover and withstand
- Compliance to class for instrument transformers.

Our team develops and customises testing programs tailored for research and new product development and offers detailed testing and analysis into high voltage apparatus failure.

High voltage capabilities

Our specialised high voltage testing capabilities cover lightning impulse voltage tests up to 1000kV, switching surge tests up to 1000kV, and power frequency tests up to 1000kV.

- Lightning and switching impulse tests on power apparatus
- Impulse tests on transformers
- Partial discharge tests on internal insulation
- Visual corona on transmission and substation hardware
- Load cycling and qualification tests on high voltage power cables
- Contamination testing of external insulation
- Design and type tests on polymeric, porcelain and glass insulators
- Generator and motor stator tests
- Periodic safety testing of HV safety equipment
- Compliance to class of instrument transformers.

Power quality infrastructure

This includes specialised capabilities including delivery:

- Synchronous condensers
- Harmonic filters
- Cap banks
- Statcoms.

Overhead lines and underground cables

We offer turn-key solutions for all overhead connections, maintenance, decommissioning and full engineering, procurement, and construction (EPC) works.

We are an accredited service provider for NSW Utilities with a full complement of fleet and personnel to provide an end-to-end service from design through to construction, we deliver:

- Overhead or underground reticulation infrastructure
- Wind turbine generator interface infrastructure.

Overhead powerlines

- Dedicated project and construction management
- Certified design and engineering
- Procurement and logistics
- Large scale regional warehousing and logistics capacity
- Broad and well-established national supplier network
- Construction, maintenance and testing through dedicated field resources
- Lines and substation crews providing a wide range of services from anti-corrosion maintenance right through to lattice towers and line pulling for transmission networks
- OPGW installation and replacement
- Foundation civils works and earthing installation
- Testing and commissioning of installation on completion of works including HV audits and supporting energisation of assets.

Operations & maintenance

We are a longstanding, established technical services provider, independent from manufacturers and EPC. We have a diverse range of reliable, national resources and approach preventative and corrective maintenance activities with a bottom-up, defined approach. Our on-site services are delivered in partnership with an expansive network of engineers, electrical workers and technicians ensuring that plant performance is optimally designed to safeguard and optimise your generation and/or high voltage connection assets. Preventative maintenance activities routinely conducted by our expert team.

High voltage networks

When it comes to high voltage assets, experience, specialisation and safety are paramount. We routinely conduct:

- Substation maintenance
- Communications maintenance
- Line works and line maintenance
- Inspection of overhead distribution system
- Thermography of high voltage connections
- Substation earth resistance tests
- Protection system inspection and maintenance
- Approval of the maintenance schedule.

We work with you to develop customised services to ensure you get the best solution, backed by our support, service and resources.

Our maintenance services include:

- Initial site audit and electrical drawing validation
- Identification of corrective works
- Development of an approved routine maintenance plan
- Force (emergency) corrective works
- Corrective works
- High voltage switching
- 24/7/365 access to operations control centre hotline and callout services

Identification and resolution process

We operate a dedicated in-house Service Operations Centre (SOC) focused on alert management and responsiveness. It delivers first line monitoring, supported by second line analysis, maximising the ability to investigate alarms while resources are being dispatched. All activities support our plant managers in delivering better assessment and accurate reporting to stakeholders.

Energy storage and renewables

We offer:

- Preventative maintenance
- Corrective maintenance
- Extraordinary maintenance.

Renewables – Generation & Storage

Our experience in the design, modelling, engineering and delivery of key electrical infrastructure is at the core of what we do. We are resourced and committed to the provision of the full end-to-end value chain which begin with pre-contract works such as planning, modelling, design, through to construction, supervision and commissioning services. Reducing costs and working within defined and challenging project timelines, we're committed to always putting safety and quality first while delivering a variety of contemporary, renewable solutions.

Solar farms and rooftop systems

Solar photovoltaics (PV) are the fastest growing bankable technology used to generate electricity. We understand the relationship solar PV presents to electrical infrastructure- inverters, substations, transformers, metering- as well as its connection to distribution or transmission networks.

Once the solar assets are operational, we offer ongoing operations and maintenance services that include energy management platforms, to ensure customers are provided transparent control and insights into the performance of their solar assets. We focus on providing high quality energy generation

systems that use locally supported, market-leading technologies, to ensure that any commitment to long term performance is continually maintained with confidence.

Wind farms

From planning and development right through to design, construction, testing and commissioning, we can provide Balance of Plant (BoP) services for wind farm projects across Australia.

Our depth of understanding, in particular the Electrical Balance of Plant (EBoP) performance and interface requirements, sees us as a strong delivery partner for renewable energy. Post-commission, we can manage and maintain the ongoing operational requirements which allows optimal efficiency and energy production.

As at 2022, our team is delivering EBoP services for two wind farm projects with combined capacity of over 1,400MW.

EBoP for 100 turbines, 450MW wind farm including:

- Three 275kV/33kV substations
- Two 275kV transmission lines (≈22km)
- 33kV underground reticulation (≈100km)
- 33kV overhead reticulation (≈26km)

EBoP design for 180 turbines, 1,026MW wind farm including:

- Three 330kV/33kV substations
- 33kV underground reticulation (≈400km)

We have proven abilities in managing difficult terrain, hard geotechnical conditions and tight programs of works that sees the CBoP, EBoP and TSI scopes of work being constructed concurrently on our wind farm projects.

Battery Energy Storage Systems

Battery Energy Storage Systems (BESS) are a great way to further optimise your energy savings, or even generate revenue.

The BESS are connected to the local High Voltage (HV) networks with direct connection to the National Electricity Market (NEM). The option to generate revenue by providing energy via arbitrage and by providing grid support during demand peaks. It does this while operating as a virtual power plant (VPP), trading on the wholesale energy and FCAS markets.

Different types and depths of storage*:

- **Distributed storage** non-aggregated behind-the-meter battery installations designed to support customer load
- **Coordinated DER storage** behind-the-meter battery installations that are enabled and coordinated via VPP arrangements
- **Shallow storage** grid-connected energy storage durations <4 hrs
- **Medium storage** energy storage with durations between 4-12 hrs
- **Deep storage** – energy storage with durations greater than 12 hrs.

* AEMO Draft ISP Report

Demonstrating capability in batteries, Yurika has designed, installed, tested and commissioned numerous 4MW/8MWh BESS across Townsville, Windemere, Beach Holm, Kleinton, Tanby and Urangan.

The BESS are connected to the local High Voltage Network and act as solar soaks for the high level of residential solar systems in the area.

Bundled and hybrid offerings

Grid connected and stand-alone power systems

Hybrid and off-grid systems can be achieved using a combination of different technologies to produce power and/or heat. Our ongoing and extensive experience in working with other distribution networks means that we have a long-standing history in designing, building, owning, maintaining and operating vertically integrated (generation, distribution, metering and retail) isolated power networks in remote and regional parts of Australia.

We have demonstrated experience in the design, engineering, delivery and operation of a variety of power systems including:

- Isolated community systems
- Edge of grid systems
- System strengthening
- Backup power and
- Business systems.

Microgrids and embedded networks

We offer extensive experience in the distribution network. Coupled with this, our work in metering supports our capability to efficiently engineer and construct microgrids or networks that are geared at optimising revenue for network owners. Our in-house capability enables us to streamline processes and deliver savings in energy management by buying electricity in bulk and selling it to tenants through our specialised, tailored-made embedded network solutions.

Our microgrid technology allows customers to achieve energy independence, delivering localised reliable, economical, and eco-friendly energy.

Energy Supplies

From terminal lugs to electrical power cables to large 132kV transformers — our Energy Supplies store is your one-stop-shop for energy infrastructure projects.

We help developers, electrical contractors, electrical engineers and service providers to deliver successfully on their projects by supplying infrastructure equipment across Australia.

With a range of available supplies from small sub-division lots to larger privately-operated assets with voltage classes @ 11kV, 22kV, 33kV, 66kV, 110kV and 132kV, customers trust us to provide the necessary technical support and quality assurance services underpinned by warranties. We constantly strive to achieve best value for money through continuous improvement of products, supply chain refinement and material bundling. With our expansive supplier network and over 27,000 energy-related products distributed via five bulk warehouses and many secondary distribution points, we are a one-stop-shop for energy infrastructure projects.

To coincide with your project timings, our distribution team can schedule the delivery of your materials to:

- Pick up from our distribution centres
- Pick up from local drop off points
- Deliver to your project site
- Deliver to your depot.

Our core competencies:

- State and International logistics operation
- Extensive range of materials
- Large “in stock” inventory quantities
- Competitive lead times
- Competitive pricing
- Product reliability
- Multiple distribution centres
- Technical support
- Knowledge and experience in supplying plant and materials within the energy infrastructure market
- Dedicated sales team who focus on creating a solid link between your business and ours
- Single point of contact to meet your business demands.

Our competitive advantage

We offer the strength of a respected organisation with the personal approach of a local partner. We understand the markets in which we operate and your business requirements, making us the one-stop- shop that can meet your energy infrastructure project’s needs.

Our products

New and used distribution and power transformers, power cables (underground/overhead), switchgear, streetlights, poles (timber, concrete, and steel) and a comprehensive range of associated materials. We can also order customised plant and materials from our extensive network of suppliers.

Our products are sourced from local, national, and international manufacturers with ISO9001 accreditation, all of whom are respected for the quality and safety of their products. Our customers have a high level of quality assurance with documentation in the form of drawings, type test and factory acceptance testing certification. We can also provide technical support and a quality assurance service, with warranties for our range.

Only the best quality products:

- all materials supplied are Quality Management Systems ISO9001 accredited
- all materials meet Australian Standards

Partnering with leading manufacturers of electrical vehicle supply equipment, we distribute Australia’s largest stock of electric vehicle (EV) charging infrastructure. We have end-to-end offerings for bus operators, fleet operations, charge point operators and electrical contractors.

Our commitment to staying at the forefront of technology ensures we’re able to provide you with cost-effective solutions and access to high-quality materials for your business or project. We’re aware that each of our clients has unique needs, and we aim to develop a flexible, personalised solution that’s tailored to meet your specific requirements. All materials are purchased from trusted suppliers. We have an extensive network of key suppliers that provide high-quality, cost-effective materials.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Metering

Yurika provides intelligent metering technology, data and insights to market operators, energy retailers, local network service providers, energy brokers and large business customers across Australia.

We provide intelligent metering technology, data and insights to market operators, energy retailers, local network service providers, energy brokers and large business customers across Australia. Leveraging decades of experience, we can help you to make informed decisions about your energy, gas, and water usage to improve your operating efficiency, support achievement of your sustainability goals and connect you to an electric future.

We specialise in the provision of high-quality innovative metering solutions that include:

- National Electricity Market (NEM) Type 1-4 metering for business and residential customers
- Embedded networks
- Multi-utility (water, gas, electricity) sub-metering
- Value-adding data and analytics
- Ancillary metering solutions that include HV testing and design consulting services.

NEM Type 1-4 metering services

We are an AEMO accredited Metering Coordinator (MC), Meter Provider (MP) and Meter Data Provider (MDP) for Type 1-4 metering services for business and residential customers. The NEM covers all Australia except the NT and WA. The NEM is both a wholesale electricity market and the physical power system used to transport power.

Embedded Networks

As an accredited Embedded Network Manager (ENM), we have wide ranging and proven experience in delivering and managing embedded networks for customers across retirement villages, shopping centres, apartment buildings, airports and other commercial and industrial developments.

Our services include:

- Metering Solutions for new greenfield and existing brownfield sites
- Providing consulting services to ensure compliance with National Electricity Rules (NER) and local jurisdictional rules is met.

Yurika provides pattern approved, NEM compliant embedded metering solutions and can also act as the ENM. We can also act as the MC, MP and MDP as part of our NEM metering services. Our embedded network metering services enable embedded network operators (ENOs) to gain access to electricity consumption data, helping them to understand tenant usage and provide data feeds for accurate billing.

Embedded Network Management services

We can be appointed by an ENO / Exempt Embedded Network Service Provider (EENSP) to provide ENM services by entering into a services agreement. Our Embedded Network Manager services include:

Establishment

- Collection of drawings and documentation relating to the Embedded Network
- Review of electrical layout and connection points
- Embedded Network Code creation/transfer
- National Metering Identifier (NMI) allocation for child connections
- Standing Data collection
- Allocation of Distribution Loss Factors and Network Charge Codes

Ongoing Management

- Ongoing compliance of Embedded Network
- Creation/abolishment of Child NMIs
- Performing role of LNSP
- Annual AEMO audit
- Notifications to other Market Participants when required
- Ensuring data retention and security is upheld
- Dispute resolution and complaints handling

Multi-Utility Sub-Metering

Our multi-utility sub-metering solutions gather accurate energy and utility information to assist you in understanding consumption across your site(s).

We can install metering at strategic points in your utility/energy supply line to measure electricity, gas and water usage for specific components, areas, or outcomes, including:

- Main incoming water and gas meters to obtain usage data for the entire site
- Installation of electrical sub meters to measure usage for specific operational components as well as to support monetisation of solar generation, batteries, and electric vehicles
- Tenancy metering
- Solar Generation Sub Metering
- Battery Storage Sub Metering.

Efficiency reporting and environmental building ratings (such as NABERS)

- Government reporting for efficiency purposes
- Determining a building rating, such as Australian Government Building Rating
- Statistical analysis to improve plant efficiency opportunities
- Greenhouse gas emissions.

Our innovative multi-utility solutions and value-adding information services can also assist customers with environmental requirements such as:

- National Australian Built Environment Rating System (NABERS)
- The National Greenhouse and Energy Reporting Act 2007 (NGER)
- Green star.

Bill validation

Data from our multi-utility sub meters can be used to validate utility accounts and ensure correct charging by electricity retailers or water and gas utilities.

Data and analytics solutions

We provide a vast and varied suite of data visualisation, analytics and reporting products that can provide you with rich insights, enabling timely and effective decision-making that can transform your business. We are committed to providing information that is accurate, relevant and consistent which is why we have created systems that are easy to use, dependable, flexible and secure.

Our data and analytics solutions enable your customers to better manage their utility and energy consumption through a range of cost-effective solutions suitable for various information needs, resources and IT requirements.

InfoDynamics an intuitive online data management and information reporting tool which enables customers to make informed management decisions regarding electricity, gas and water consumption.

- Graph Now allows users to quickly and easily visualise consumption, generation and demand metering data, comparing up to 12 meters in one graph
- Ad hoc and scheduled report generation allows users to generate a range of expertly predesigned reports as a once off or recurring schedule (Daily, Weekly, Monthly, Quarterly, Yearly)
- We have a range of advanced user options that give users managing larger portfolios of sites or customers the flexibility required to do so efficiently and easily.

ActiveDash our online platform specifically designed to allow you to view and benchmark your energy and utility consumption. It includes the ability to view interval consumption data across multiple facilities with diverse consumption profiles. ActiveDash is compatible with all metered utilities on site, including water and gas sub-metering and near RealTime (nRT) data (where applicable).

EMP Multi Plus an integrated software platform specifically designed to monitor and manage energy and utility consumption. This can be achieved across multiple geographically dispersed facilities with diverse consumption profiles.

near RealTime data (nRT) solution provides near real-time energy consumption. More specifically, five-minute interval data is delivered directly from the electricity metering points through a secure communications channel in near real time- typically within 15 seconds after the end of the interval.

Power Quality Reports

- Adhoc Customer Reports a power quality report can assist in the identification of power supply issues allowing you to rectify them before extra damage is done. Yurika Metering currently offers a standardised voltage and current report which is compatible with over 90% of our metering fleet (including single and three phase meters). Yurika's metering business must be nominated as your Metering Data Provider to provide Power Quality Reports.
- Network Data Initiatives- we are currently undertaking several trials with our Network partners to provide better visibility of Network power quality through ongoing voltage monitoring. The provision of ongoing Network data directly from our metering devices in the field enables Networks to gain a better understanding of energy supply and faults, and prioritisation of rectification works.

Data Provision (NEM12)

Large customers or third parties acting on a customer's behalf can request their metering data on an ad hoc or recurring basis (charges may apply). Small (residential) customers should request meter data from their retailer. We will provide interval metering data in a NEM12 format. NEM 12 file is the current Australian Energy Market Operator (AEMO) format for interval data and is widely used in the electricity industry.

NEM Type 1-4 metering services

Metering Coordinator (MC)

The role of the MC is independent of both the network business and the electricity retailer. As a MC, we are responsible for appointing the MP who installs and maintains the meter and the MDP who will collect the customer energy usage data and provide it to the NEM, electricity retailer and other customer nominated parties.

Metering Provider (MP)

We are an accredited MP which means we can install, commission, gather and verify data remotely from meters within the NEM market. MP services include the provision, installation and maintenance of compliant metering within the NEM Type 1-4 category.

As an MP, we have proudly led the industry in developing innovative load control and solar metering solutions, while also being an early enabler of remote metering capabilities including disconnection and reconnection services.

Metering Data Provider (MDP)

Our range of MDP services includes data warehousing, data validation, data delivery and billing services for metering installations within the NEM for meter types 1-4.

Ancillary Metering Solutions

Our ancillary metering solutions relate to hardware services and solutions we can provide or enable in addition to the physical meter.

Output pulsing & SMARTHUB modbus outputs

We can enable your electricity meter to provide output services, such as pulse outputs and MODBUS capability using our exclusive SMARTHUB technology. Pulsing outputs can be sourced directly from the metering infrastructure to provide consumption data directly to Building Management Systems. Meters can also be activated to provide register information in a MODBUS format, suitable for direct connection to Building Management Systems. Output pulsing can also be installed as part as part of both NEM and Multi-Utility Sub-Metering solutions.

Current Transformer (CT) and Voltage Transformer (VT) Testing Services

Electricity and utility markets are changing – accurate and reliable consumption data is increasingly critical to AEMO. Yurika is available to work with our customers to develop and deploy programs in the following areas:

- NATA High Voltage CT and VT Testing
- Proven capability from 11kV to 132kV
- NATA Traceable Test Reports supplied by accredited staff
- Testing capability to either the AS or IEC Standards
- Mobile Testing Crew

High Voltage Design Review and Compliance

The deregulation of connection services to the Transmission and Distribution Networks was a part of industry reforms in 2017. This ensured that design, compliance and risk aspects of Network connections remained metered in accordance with the National Electricity Rules, Local Jurisdictional Rules and the SAA wiring rules. Any other standards and rules that are applicable are the responsibility and task of the unregulated Metering Coordinators. This cost was previously absorbed into network charges that were regulated by the AER.

We pride ourselves on making things easy for our customers and offer HV connection design consulting review services to help guide our customers through this process. These services include:

- CT & VT accuracy specification
- Design Review
- Pre & Post Commissioning
- NATA VT & CT Test Services (if required)
- Design & supply of pre-wired metering panel/enclosure (if required)
- Compliance sign-off: National Electricity Rules (NER), Local Jurisdictional Rules (LJR), SAA Wiring Rules.


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Telecommunications

We deliver reliability and value through our suite of fully customisable fit-for-purpose telecommunications services and solutions.

We are a retail provider of telecommunications services to government departments and agencies, local government, and commercial organisations. We are also a wholesale provider of telecommunications to carriers and carriage service providers.

Established in 2004, we offer competitively priced, resilient, commercial grade high capacity connections where you need them, when you need them. Our tailored solutions connect businesses located anywhere, even in remote and regional areas, with the rest of the world.

We provide high availability high speed internet and point-to-point fibre optic and radio services to connect government, commercial and telecommunications carrier organisations with each other and the world. Our communications design and service capabilities include the following.

Internet and IP VPN

Our Internet service is available over a range of different access types depending on your location, the required bandwidth, geographic coverage and budget, including:

- Fibre
- Radio / Microwave
- Fixed Wireless
- External 3G / 4G and DSL
- National Broadband Network (NBN) services, including FttX and Hybrid-Fibre Coaxial services, Enterprise Ethernet, Fixed Wireless and Satellite services. (Note: A Fair Use Policy applies to NBN Satellite services)

Wavelength

- Dark fibre is a point-to-point service that enables high capacity connections between two sites.
- The dark fibre service supports multiple wavelengths in both directions between two sites, facilitating a seamless extension of internal networks independent of protocol changes.

Ethernet

- E-line facilitates point-to-point connections of between 1 Mbps and 10,000 Mbps (10 Gbps) using standard ethernet interfaces.
- E-line services are suitable for meeting simple requirements where two sites need to be linked, or multiple services can be configured to provide for connectivity between many sites.
- E-Line Services can be configured using flexible, high-speed bandwidth profiles to meet service performance and capacity requirements.
- It also provides quality of service features to support IP-based transport of voice, video, and business critical data communications.

Cloud Connection

- Direct cloud connectivity provides fast and stable connections to external cloud providers such as Amazon Web Services (AWS) and Microsoft Azure.
- Direct connections maximise the cloud experience for hosted email, documents, storage, backup, or application systems.
- Direct cloud connection services are scalable to suit both hybrid and cloud only environments.
- Our solutions are designed and developed to provide the optimum combination of speed, reliability, and scalability.

Service Operations Centre

We offer customers access to monitoring technology and IT service management functions 24 hours a day, 7 days a week. This includes logging incidents and service requests direct to our Queensland-based team of network professionals. We provide customers access to a performance portal which provides essential information about network links, as well as a real-time, self-service view of network data performance, usage, and many other key metrics.

We're licensed, nationally accredited and certified

Yurika Pty Ltd

- QLD QBCC Licence- Builder- Low Rise – Licence No. 1075325
- Electrical Contractors Licences
- QLD Licence No. 83810
- NT Licence No. C3852
- VIC Licence No. 28557
- NSW Licence No. 331716C
- TAS Licence No. 1214667
- SA Licence No. PGE302807
- WA Licence No. ECO14222

Metering Dynamics Pty Ltd

Electrical Contractor Licenses

- QLD License No. 83772
- NSW License No. 317962C
- ACT License No. 2017992
- VIC License No. 27666
- TAS License No. 15605575
- SA License No. 284137
- WA License No. ECO13233
- NT License No. C3750

Ergon Energy Telecommunications Pty Ltd

- Australian Carrier License No. 126

Energy Queensland Ltd

- Quality Management Systems ISO9001 Accreditation
- Australian Standards
- Environmental Management ISO14001 Accreditation
- Safety Management System AS/NZS 4801:2001 Certification

Definitions and glossary of terms

EHV Extra High Voltage (275kV and above)

HV High Voltage (66kV, 110kV, 132kV)

MV Medium Voltage (11kV, 22kV, 33kV)

LV Low Voltage (up to 415v)

RPEQ Registered Professional of Queensland (only relevant for work in Qld)

— a Qld only register.

NPER National Professional Engineer Register.

CPeng Chartered Professional Engineer. CPEng and NPER are aligned and both national registers.

PSSE Power system simulator for engineering

PSCAD Power system CAD (Computer Aided Drafting)

EPC Engineering, Procure, Construct

EPCM Engineering, Procure, Construct & Maintain

BOOM Build, Own, Operate & Manage

BOOT Build, Own, Operate & Trade

O&M Operations & Maintenance

PPA Power Purchase Agreement

VPP Virtual Power Plant

BESS Battery Energy Storage System

SPV Solar Photovoltaic or Solar PV.

EV Electric Vehicle

NSP Network Service Provider
Service providers & Assets | Australian Energy Regulator (aer.gov.au) Examples are:Ergon, Energex, Electranet (SA), Essential Energy (NSW), Powerlink, ransGRID (NSW)


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We are

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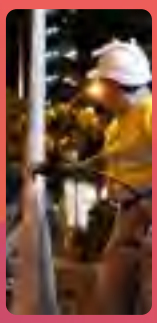
Part of Energy Queensland


Electricity Networks


Solar

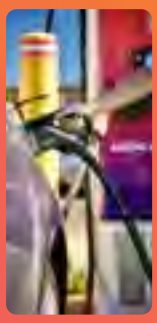

Wind

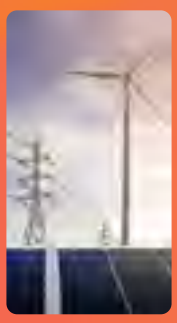

Battery Energy Storage


Telecoms


Metering


Products


EV Charging


Microgrids

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