

The logo for enzen, featuring the word "enzen" in a white, lowercase, sans-serif font inside a white hexagonal border. The logo is positioned on an orange background that has a jagged, torn-edge effect on its right side.

enzen

achieve | value



Increasing efficiency
across the value chain

Deploying specialist knowledge and innovation to unlock value

As today's energy and water companies grapple with the complex challenges of regulation, decarbonisation, decentralisation and digitisation, their long-term success will greatly depend on their ability to maximise the efficiency of their operations.

In our Energy and Water Networks division, Enzen's global team of knowledge practitioner help utilities in the power, water and gas sectors find efficiencies within their increasingly complex network of assets.

Included in our services and solutions are things like smart meters, the migration of control rooms to the cloud, monitoring the efficiency of industrial equipment and delivering new smart technologies to enhance operational performance.

With this knowledge in mind, we build robust new systems and continuously optimise them, from concept to construction, making us one of the foremost experts on energy and water efficiency in the world.

Our Energy and Water Networks division consists of five Centres of Excellence – **Energy Efficiency, Smart Metering, Smart Grids, Network Automation** and **Renewables** – each one focused on innovative, end-to-end solutions in their specialist areas.

For businesses to compete successfully now and in future, they need to transition effectively to a low-carbon world.

Our Energy Efficiency Centre of Excellence reduces costs, improves reliability and creates value for industrial, commercial and manufacturing customers.

Instead of implementing prescribed products, we take a 'technology agnostic' approach that starts with customers' desired outcomes and works back from there to identify, design and implement the best solutions.

We then draw on innovative technologies in areas such as on-site generation, Artificial Intelligence (AI), carbon capture, energy storage, fuel-switching and biogas production. Typical benefits include:

- significantly reducing customers' operating expenditure
- mitigating risk by avoiding customers' reliance on grid-related energy
- enhancing the accuracy and visibility of customer data
- identifying more cost-effective fuels
- cutting customers' climate change charges
- reducing waste heat from recovery
- avoiding utility and inflationary price increases and network failures.



Thanks to smart grids, energy companies can now enjoy more comprehensive data, improved operations and more customer-focused service models.

Our Smart Grids Centre of Excellence helps our utility customers optimise their operations and existing networks and assets.

While many traditional smart grid specialists focus solely on providing isolated technological outputs, Enzen does things differently. We develop

holistic system integration solutions that are end-to-end in scope, strategically-driven and deliver long-term advantages to our customers' organisations. We offer:

- real-time decision-making to enable more productive operations and better utilisation of assets like substations, feeders and transformers
- improved performance by the reduction of customers' aggregated technical and commercial losses
- greater network reliability by cutting outage frequency and duration, improving power quality and resulting in better customer service
- better quality capital expenditure programmes, less maintenance / system losses and greater opportunities for consumers to conserve energy
- environmentally-friendly outcomes which incorporate renewables
- future-proof grids that integrate the latest generation and consumption technology.



Whether you're a provider or a consumer, everyone needs to maximise the potential of their energy resources.

Our Smart Metering Centre of Excellence incorporates the latest Internet of Things (IoT) technology to develop intelligent solutions which measure and monitor energy use and provide high-quality information for all concerned.

Through this approach, we can deliver accurate, timely data that generates valuable insight and improves your day-to-day decision-making.

The outcomes are tailored solutions that

make energy resources accountable, affordable and sustainable: what we like to call 'a new energy experience' for customers and consumers.

The benefits of our IoT solutions include:

- Greater accuracy and transparency for providers and consumers
- Customised metering solutions and personalised intelligence
- Optimised energy use in homes and businesses
- More efficient use of assets in the network
- Real-time automated data collection that reduces dependencies on field teams
- Flexible smart metering that can be adapted to different market segments: rural, semi-urban, urban and commercial
- Smart Edge devices enabling a resilient intelligent grid.



Existing utility systems can perform better and smarter through the latest automation technology.

Whether it's evaluating the condition of assets, managing resources to improve productivity or monitoring assets remotely, utilities have to manage complex networks as efficiently as possible.

Through our Network Automation Centre of Excellence, we partner with utilities to increase their network performance, boost their revenue and control their costs.

Our automated solutions can help utilities optimise their spend on assets and plan better for network expansion. From asset tracking to mobile-based solutions, we encompass the entire value chain, delivering interactive solutions

that work on a real-time basis and result in greater efficiency and transparency. Examples include:

- Network and Asset Capture
- Remote Asset Monitoring and Control
- Automated Meter Reading
- Aerial Asset Inspections



Demand for renewable energy sources is increasingly rapidly – and we're well positioned to meet customers' requirements.

In our Renewables Centre of Excellence, we have a specialist team dedicated to finding cleaner, safer ways of harnessing wind, solar and hybrid power.

The Renewables team is focused on the high-value delivery of smart, customised and integrated solutions.

These include internationally-certified and patented Wind Turbine technology, compact enough to be used in metro, urban, suburban, remote areas and also in extreme hot and cold weather conditions.

Alongside this, we've developed a series of customised renewable solutions that

encompass solar, wind, hybrid, water and storage that's fit for microgrids, telecom and street lighting. Our support services include:

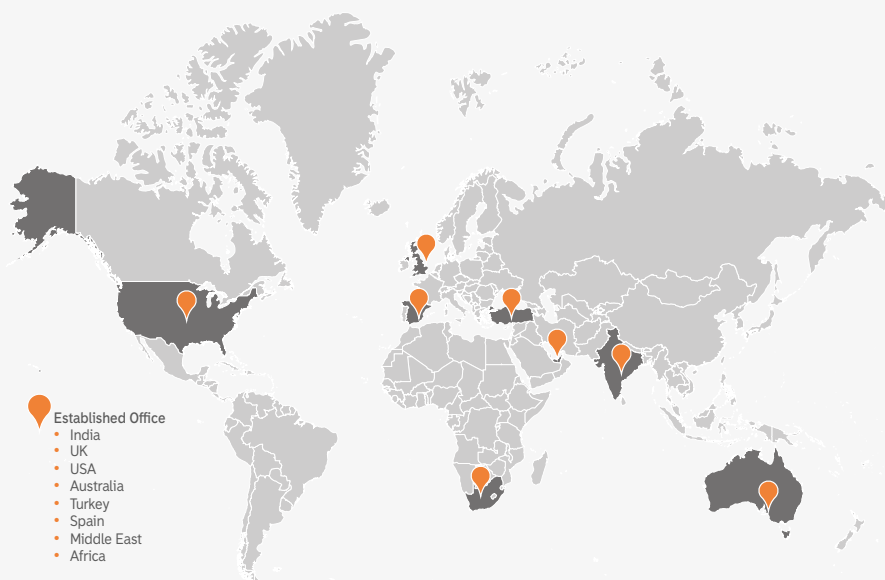
- Survey and planning
- Engineering and cost
- Construction, maintenance and support
- Monitoring and optimisation



**If you would like to find out more
about how our Energy and Water
Networks division can help you,
please contact:**

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