

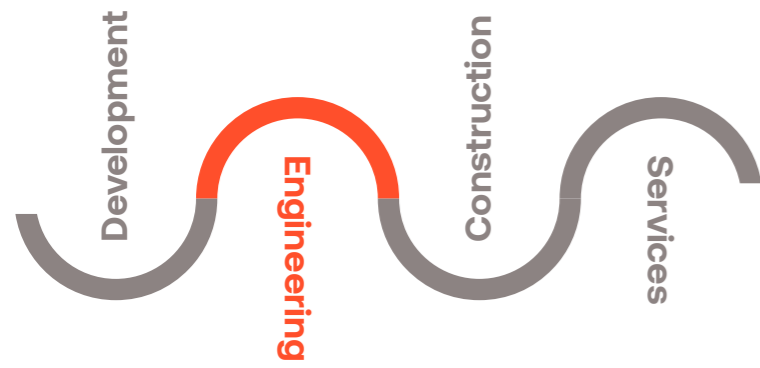
Rayo Engineering Targeted solutions

Rayo's electrical and civil engineering teams have a 'sense of occasion'. We know when our clients simply want a 'good' design solution – fit-for-purpose, cost-efficient and designed for a specified life – and when you want to move beyond good to 'great' with a project that breaks new ground. We know because we listen, innovate, then bring your vision to life.

Further, Rayo has seized the opportunity to offer our clients certainty from design through to delivery by having this engineering capability fully in-house. Ready availability of engineering inputs flowing into project delivery eliminates costly delays by enabling timely design clarifications, rectifications and quality control throughout.

Our engineering team collectively has decades of experience in the design, development and delivery of complex renewable energy and utilities projects, enabling us to deliver with excellence, quality and efficiency.





Rayo Engineering

Targeted solutions

Full project lifecycle expertise

Rayo's end-to-end engineering services ensure project success from conception to completion. Our capabilities span the project lifecycle:

Concept and detailed design: Innovative and efficient, extending to a wide range of infrastructure assets

Engineering studies: Rigorous analysis supporting decision making and managing risk

Construction engineering support: Ongoing engineering support throughout, ensuring quality and compliance

Commissioning and system verification: Ensuring systems are fully operational and meet client specifications.

Specialised energy infrastructure

Our energy infrastructure engineering solutions encompass:

High voltage (HV) systems: Design, maintenance and testing

Battery energy storage systems (BESS): To any scale, from concept to commissioning

Renewable energy: Large-scale solar and wind farms, including grid integration and storage systems

Energy transmission and distribution: Design, testing and optimising transmission lines and substations.

Advanced testing and inspection

Testing and inspection services ensure energy infrastructure meets the highest standards:

HV testing: Dielectric dissipation factor testing, partial discharge, insulation resistance and VLF testing

Commissioning testing: Factory and site acceptance testing, and protection system verification

Asset condition monitoring: Ongoing monitoring services to assess infrastructure health and ensure reliability.

Solutions to complex challenges

Rayo couples technical nous and cutting edge technology to deliver solutions that meet complex engineering challenges, with in-house design expertise across:

Automation (SCADA): Real-time control and monitoring of energy systems

Earthing and protection: Design and implementation of reliable protection and earthing systems to ensure system stability and safety

Connection agreements: Managing the complex regulatory processes for network connections, ensuring smooth integration into the grid.

Safety and environmental commitment

At Rayo, safety and the environment are at the forefront by design.

We are ISO 18001 certified, Workcover accredited and environmentally conscious. Our rigorous Safety in Design processes identify and mitigate potential hazards from the outset, ensuring safe and environmentally -sound project delivery.

Why choose Rayo?

Proven expertise: Our in-house electrical and civil design experience in infrastructure and energy is second to none.

Innovative solutions: We integrate the latest technology and industry-best practices to meet the specific needs of each client.

End-to-end service: Our comprehensive services span the full project lifecycle.

Commitment to excellence: Our relentless focus on quality and safety, ensures reliable and efficient project delivery to the highest standards.

Contact Us

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Designing for success

Partner with Rayo to bring your energy and infrastructure projects to life with precision, safety and innovation.