



Case studies

UK – Supporting capital delivery with electrical design
A large UK Distribution Network Operator (DNO) has engaged Enzen
as a partner for electrical design (11kV to 132kV) primary plant layout,
clearances, protection and control, AC and DC schematics, telecommunications,
battery chargers, core schedules and earthing. Enzen is working in partnership

battery chargers, core schedules and earthing. Enzen is working in partnership with the DNO to help design the electricity infrastructure to be delivered as part of its ED2 plans.

UK – Delivering innovative power systems design and engineering solutions for DNOs

Our repeatable model is offering speed, flexibility and additional connection capacity to customers. It involves both EHV and HV demand and generation connections, G99 compliance assessments, design of network reinforcements and flexibility solutions, network modelling and related studies such as load flow and short circuit assessments. We also offer power studies to renewable generation and battery storage companies.

Australia – Owner engineering services for a 500kV transmission new build

An Australian network operator is designing, financing, building and operating a 500 kV electric power transmission network in the Central-West Orana Renewable Energy Zone. The customer has signed an agreement with Enzen to provide owner's engineering services for the design and assurance of the new infrastructure that's being built. The scope of works includes civil and electrical design.

Turkey – Control and protection system design for power plants.

Our customer required a more resilient solution for its 400 kV grid.

Enzen's solution involved designing a complete control and protection system, including generator protection, synchronisation systems and a fully-automated 400 kV substation. Our system design achieved maximum use of existing cables to save costs, plus minimised out-of-service time.

To learn more about how Enzen can design the next generation of electricity infrastructure for your network, contact:

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