



SPE Electrical
HIGH VOLTAGE
Power System Consultants

SPE ● ● ● ●
Your Power
Our Knowledge

COMPETENCY ▪ PROFESSIONALISM ▪ HONESTY ▪ INTEGRITY

Utilise our Experience

At SPE Electrical we know that our people are our greatest asset. All our senior consultants are highly experienced, degree qualified, chartered engineers who have worked in a wide range of industries and countries, on everything from simple LV power supplies up to complex 400kV substations.



At SPE we adopt a partnership approach, working with you, to help your business grow – we believe that the best way to grow our business, is by helping you to grow your business. For SPE short term profit is never a priority, instead we believe in working together and building lasting partnerships.

SPE works across a wide range of industries, which include oil & gas, transmission & distribution, industrial plants, solar / PV farm design, water, mining, marine, wind farms, hydroelectric and biomass renewable energy systems as well as conventional power plant design.

SPE has an innovative business model, based on using a pool of semi-retired, highly experienced specialists who work for us on a flexible basis, enabling us to call-off expert resources as required.

This approach allows SPE to run a streamlined organisation with low costs, while providing a huge breadth of experience and a unique ability to see a problem from many different angles. Whatever your requirement we can help! Please contact us to discuss your requirements.



POWER SYSTEM ANALYSIS

Power System Analysis is at the core of our business, and we have the expertise to undertake a wide range of complex studies. SPE use the industry leading software package ETAP, which is an integrated software package, with modules that allow studies for almost any conceivable scenario. SPE also uses PSCAD to undertake more detailed electromagnetic transient studies when required.



POWER SYSTEM DESIGN

SPE have a wide range experience in power system design and have capabilities to design everything from a simple LV system, up to a complex 400kV transmission system.

We also have extensive experience in working with difficult sites that have complex tie-ins, overload equipment, or limited outage windows.



CONSULTANCY

Our engineers have worked across a wide range of industries and at every voltage level from LV up to 400kV including HVDC. This gives us a thorough knowledge of power system design, installation, testing, commissioning, operation and fault finding. This allows us to provide a wide range of electrical consultancy services - so, whatever your problem, we can help!



EARTHING

SPE are experts in this deceptively complicated area, and can provide detailed designs and guidance on assessing Earth Potential Rise (EPR), along with calculated safe touch and step voltages and tolerable body limits using the industry leading software, CDEGS. We have undertaken earthing designs for large substations as well windfarms, PV farms as conventional generation stations.

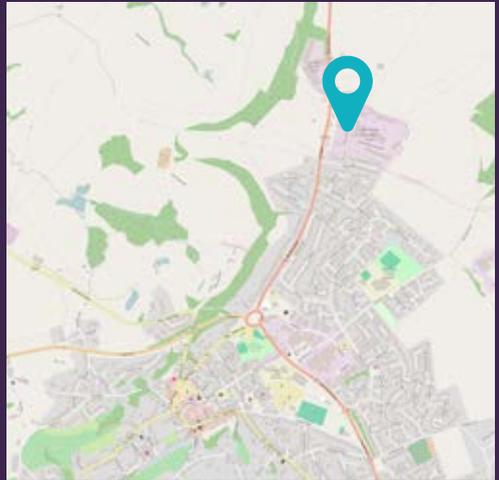
At SPE, we believe that the best way to grow our business, is by helping you to grow your business.

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