

Voltex Group

The Voltex Group are trusted High Voltage Electrical Engineering Consultants, specialising in HV Power from Design to End-of-Life.

We assist Project or Asset Managers of large power systems to deliver certainty of outcomes that meet quality, timing and price objectives.

We tell you what you need to know, NOT what you might want to hear.

Capability Statement

Head Office

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Locations

Brisbane
Sydney
Melbourne
Perth
Darwin
Santiago



Licence No: 72239

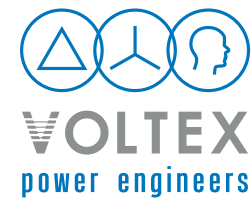
VOLTEX

The Voltex Group

The Voltex Group specialise in large power systems, from Design to End-of-Life. With our three brands, we aim to be at the centre of your world; we call this the “Voltex Vortex”. We are committed to an organisational culture of integrity in everything that we do. This means that if we say that we’ll do something, then we deliver on the promise.

Our core values are:

- › Excellence in Engineering
- › Candour in communication
- › Reliability in Reporting



Voltex Power Engineers

Voltex Power Engineers (VPE) specialise in HV Power, from Design to End-of-Life. We manage electrical risk and improve plant reliability through design, protection, commissioning, auditing, maintenance and asset management. Our familiarity with industry compliance requirements, legislative standards (AS, IEC, IEEE, ANSI), mining regs, hazardous areas, & HSE systems, avoids design issues, performance shortfalls, budget overruns, legislative impediments and industrial or environmental difficulties.

Our experience with major Mining, O&G/CSG/LNG and Rail projects means that we communicate with you in your language. With personnel exposure from all the major manufacturers, you don't pay for us to “learn on the job”. We are familiar with all types of electrical power equipment.



Voltex Systems & Integration

Voltex System and Integration (VSI) provide Advanced Power Management and Simulation for the growing demand for “smart” Substation Automation Systems (SAS) with IEC61850 and GOOSE messaging.

Clients now require an integrated power system (VPE) and SAS design, without the risks of contractual disagreements over the scope or responsibility during design and commissioning.

HV Systems & Integrations

VSI would utilise VPE Power Studies as a basis for Power SAS design. With IEC 61850 systems, the IED Configuration Files combine Protection Settings (VPE), Logic elements (VPE) and Communications Network settings (VSI). No duplication in design!

ETAP provides a Commercial-off-the -shelf (COTS) Power Systems Management and Simulation System, verified and validated to the strict US Nuclear Industry standards. Your digital twin model is connected directly via the SCADA systems. Operators can then safely train off-line on an exact replica of their actual power network. VSI is an ETAP Registered SI



Voltex' Power & Plant Training

Voltex' Power & Plant Training (PPT) is a Registered Training Organisation (RTO #40627) providing Nationally Recognised Training (NRT) in High Voltage Isolation and Access (HVIA) and Arc Flash Hazard Safety (AFHS).

When your new or upgraded plant is designed or commissioned by VPE, PPT is the perfect solution for training your operators and maintenance teams. We will review or develop Safety Management Systems and customise content to incorporate site procedures with hands-on familiarisation of switchgear and protection systems, and integrated engineering / operator workstations.

HV Operator Training

Voltex' Power & Plant Training is built on Voltex' expertise to deliver maximum benefit to your staff and organisation. Our training options includes:

- › Arc Flash Hazard Safety Training
- › ETAP Digital Twin Training
- › HV Isolation & Access Training
- › HV Protection Systems Training
- › IEC 61850 Training
- › SF6 Gas Safe Management Training