

High Voltage Engineering Specialists

DESIGN & INSTALLATION —



We are a well-established, highly accomplished, and competent High Voltage Engineering Team, who between them has over 100 years of experience in the electrical industry.

HVPSSW.CO.UK | 07384 380 261



A well established, highly accomplished, and competent High Voltage Engineering Team.

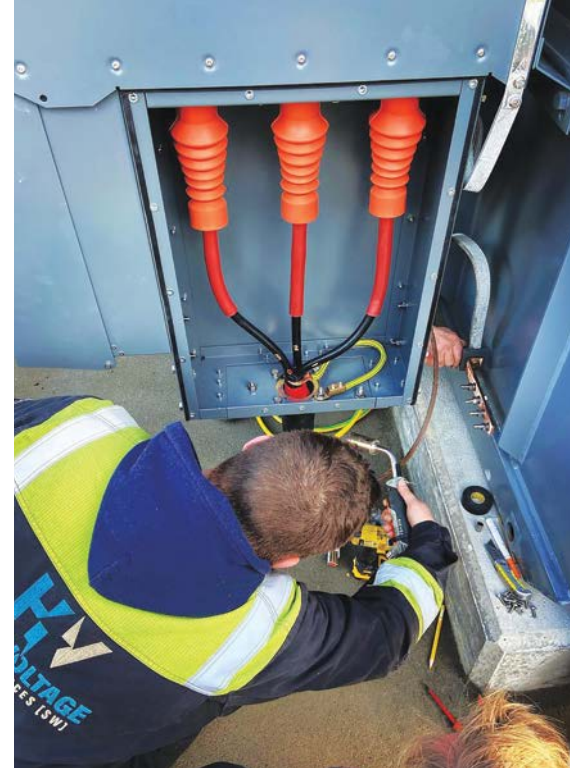
The HVPS Team is a well-established, highly accomplished, and competent High Voltage Engineering Team, who between them have over one hundred years of experience in the electrical industry.

The Team have serviced the Private HV sector for over 30 years within the region and have built a sound reputation through the establishment of long term and trusted relationships with the majority of the HV metered customers, M&E Contractors, Renewable O&M Operators within the Southwest. This has been achieved by providing a high-quality service in all the disciplines that they offer.

 **Contact Us**
07384 380 261
engineer@hvpssw.co.uk

 **24/7 Call Out**
Our expert team offers a reliable 24/7 call out facility

 **Services**
HVPS offers an effective solution for your Private High Voltage Network



We specialise in the following

Existing Private HV Networks

HVPS can provide maintenance services via fixed term Control and Operation agreements, annually renewed contracts, or ad-hoc arrangements.

Design & Build

Complete design and build ability for new Private HV Networks / extension to Private HV Networks including fault level calculations, Protection and more.

Protection Testing

Protection / grading system maintenance, upgrade, replacement, and reconfiguration of new and existing systems including G59 / 99 requirements.

Some of our recent partnerships:



Our qualified team is always ready to help you, we cover the South West and beyond!

Although based in the South West, our team have proven capability across the South of England and Wales. Get in touch today and speak with one of our expert team members about your project.



Services Offered

High Voltage Power Services (HVPS) offers a safe, reliable, and cost-effective solution for all the requirements that the ownership and responsibility of a Private High Voltage Network involve: –



HV substation construction and civil engineering

The full design and build of bespoke civils engineering projects to accommodate a new substation or the building of DNO specified projects. The undertaking of trenching and cable laying for both HV and LV systems, including directional drilling.

Control, operation, and maintenance of existing Private HV Networks.

High Voltage Power Services (HVPS) can provide maintenance services via fixed term Control and Operation agreements, annually renewed contracts, or ad-hoc arrangements.

Visual inspection to include substation, signage, and oil diagnostics, which can be undertaken at 6 or 12 monthly intervals.

Routine intrusive maintenance of HV/LV switchgear and transformers – inclusive of oil replacement.

The use of non-intrusive techniques – infra red, partial discharge testing.

Energy and supply quality

The investigation and reporting on the quality of supply using the most up to date technology to be able to provide the most economical solution to demand issues.

Design and Building of HV systems

Complete design and build ability for new Private HV Networks / extension to Private HV Networks, including fault level calculations, Protection and grading analysis, resilience surveys, Network optimisation/rationalisation, cable calculations and Project Management services.

HV/LV cable jointing up to 33kV, including the installation of Fibre and communication networks.

The refurbishment and upgrading of Private HV Networks in order to maintain asset life expectancy.

Protection Testing

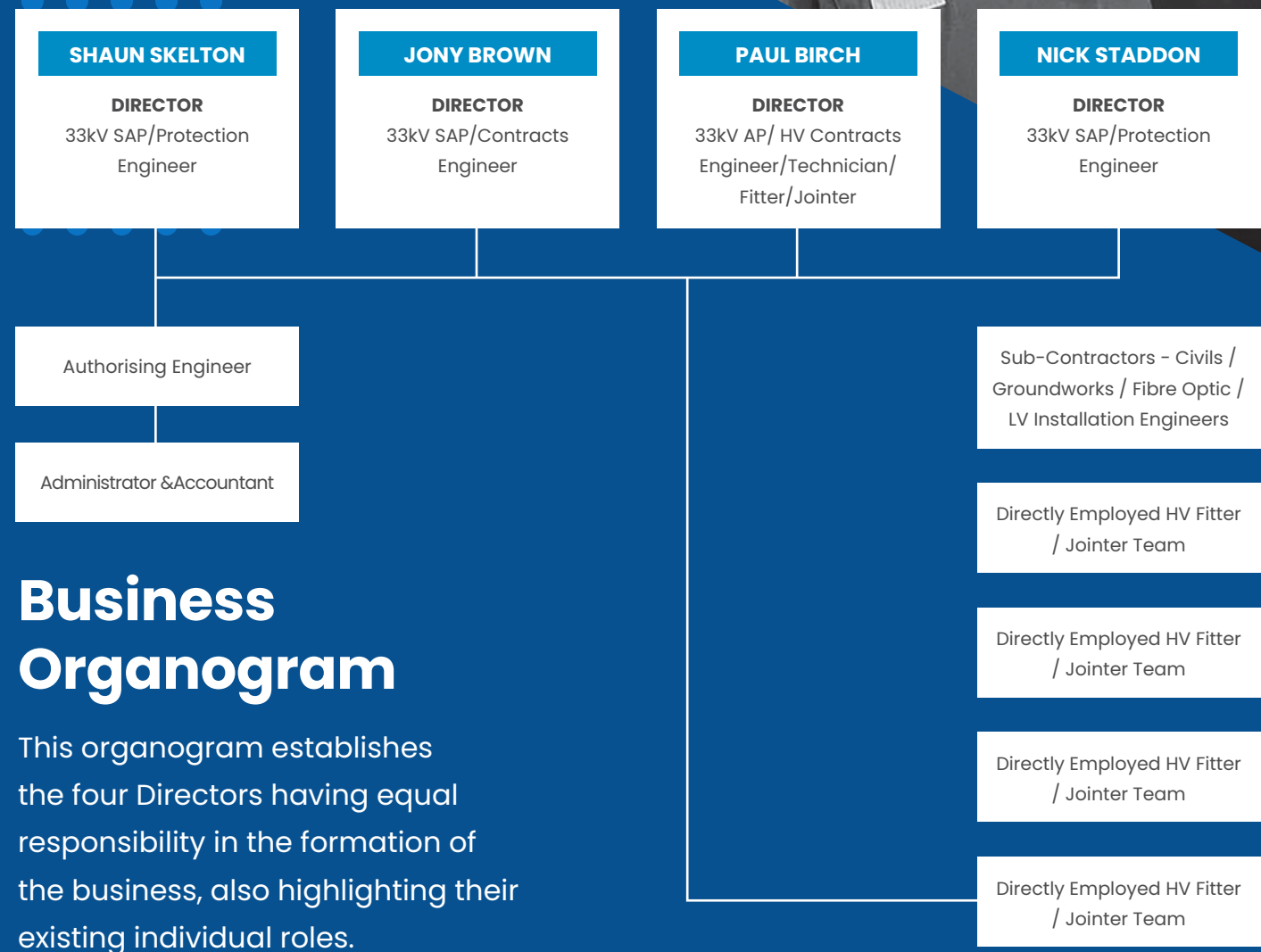
Protection / grading system maintenance, upgrade, replacement, and reconfiguration of new and existing systems including G59 / 99 requirements.

24-hour emergency call out facility

The provision of a single point of contact for both ‘within’ normal hours and ‘outside’ of normal hours. The Engineer will be able to give immediate advice and attend site in order to make safe a potentially dangerous situation, as well as instigate the rectification of a loss of supply using a proven procurement chain of temporary generation suppliers, switchgear / transformer suppliers and cable accessories suppliers.

HV/LV cable fault finding

The diagnosis, location, and subsequent repair of underground HV/LV cable faults.



Business Organogram

This organogram establishes the four Directors having equal responsibility in the formation of the business, also highlighting their existing individual roles.

External Accreditations

As a forward-thinking Contractor, we have recognised the benefits of gaining accreditations to certain 'industry' recognised schemes.

Although financial investment, time and resource was required, we are very proud to have gained a high level of certification in both of the following: -



Registration number – 00464340
Expiry Date – 28/06/2023



Registration number – 00464340
Expiry Date – 28/06/2023



Registration number – EB6422
Expiry Date – 7/03/2024



Get in touch

For further information on the team and High Voltage Power Services, please visit www.hvpssw.co.uk or give us a call on 07384 380 261.

References and Recent Project Information

Within the last 24 months, HVPS(SW) Ltd have been involved with many large and smaller scale projects, ranging in value from £25k to £350K. The work types cover all aspects of full Operation & Maintenance Contracts, reactive works, fault finding/rectification, planned asset replacement and large

design/build installations. Below is a brief overview of these projects, along with the Company and contact details for organisations that HVPS are currently undertaking High Voltage engineering works for in the Southwest, and who would be willing to provide references if required.



University of Plymouth, Babbage Building – BAM Construction

The supply, installation, and commissioning of 2 in number 11kV transformer, RMU's, LV cabinets, new LV switchboard and associated HV/LV cabling. Including the civils for both HV&LV cable installation, jointing and clearance.

Total value to HVPS – £250,000.00

VIVO Defence, SW AREA – HV/LV Maintenance Contract

To undertake the maintenance, provide system analysis, and provide predictive failure reporting of all HV/LV assets across the SW region for a period of 8 years.

Total annual value to HVPS – £2,350,000.00

Treliske Hospital, Cornwall – T Clarke / Kier

The supply, installation, and commissioning of 2 in number 11kV transformer, RMU's, LV cabinets, associated HV/LV cabling. Including the installation of large LV submains, earthing and HV/LV cable diversions.

Total value to HVPS – £450,000.00

Lighthouse Project, Plymouth (Totus)

Supply, installation, and commissioning of new 11kV intake switchboard, 2 no. 11kV Transformer and RMU's and associated HV ring feeder cables.

Total value to HVPS – £200,000.00

Smith Brothers, Ernesettle – BESS

The installation, termination and commissioning of a new BES site, previously a Diesel Generation Facility. Including all cabling works at HV/LV and comms.

Total value to HVPS – £250,000.00

Becton Dickenson, Plymouth

HV Infrastructure alterations to afford greater external capacity to be provided, including HV cable installation, jointing and commissioning.

Total value to HVPS – £80,000.00

RAF St Mawgan, Building 510 – Lorne Stewart

The supply, installation, and commissioning of 1 in number 11kV transformer, RMU, LV cabinet, new LV switchboard and associated HV/LV cabling. The provision of a Standby Generator and associated controls. Including the civils for the substation base, generator base and both HV&LV cable installation, jointing and clearance.

Total value to HVPS – £750,000.00



Carland Cross Windfarm, Cornwall (Scottish Power)

Alteration/modification to an existing 33kV Intake switchboard, addition of a new 33kV switchboard for the connection of a BESS Transformer. Diversion of existing 33kV windfarm cables for the new A30 dual carriageway works, along with the installation of a new 10MW PV farm and associated 33kV apparatus and controls.

Total value to HVPS – £350,000.00



Plessey Semiconductors, Plymouth – Drew and Co

The supply, Installation, and commissioning of 2 no. 11kV transformer, RMU's and associated existing HV ring alterations.

Total value to HVPS – £150,000.00





**PSH Operations
Limited**

1-2 Tollgate Business Park
Tollgate West
Stanway
Colchester
CO3 8AB

Contact: Dan Shaw

T: 07795 904346

E: dan.shaw@pshoperations.com
pshoperations.com



**Renewable Energy
Systems Limited**

Beaufort Court
Egg Farm Lane
Kings Langley
Hertfordshire
WD4 8LR

Contact: Neil Crudginton

T: 07808 766926

E: neil.crudginton@res-group.com
res-group.com



**ROC Energy
Limited**

Avenue House, Enterprise Road
Raunds.
Wellingborough.
Northamptonshire.
NN9 6JE

Contact: Tony Wilkes

T: 07907 727140

E: tony.wilkes@rocenergy.co.uk
rocenergy.co.uk



**Drew & Co Electrical
Contractors Limited**

Unit 2a and
2b Kay Close
Plympton
Plymouth
PL7 4LU

Contact: Jamie McGinty

T: 07412 685928

E: jmcginty@drewandcon.co.uk
drewandco.co.uk



**BAM Construction
Limited**

Crown House
Acland Road
Exeter
EX4 6PB

Contact: – Greg Browne

T: 07825 762460

E: Gbrowne@bam.com
bam.co.uk



**Becton
Dickenson**

Belliver
Industrial Estate
Plymouth
PL6 7BP

Contact: Ian Smart

T: 07787 303522

E: ian.smart@bd.com
bd.com



**Scottish Power
Renewables**

9th Floor
320 St Vincent
Street
Glasgow
G2 5AD

Contact: Keith McPhillie

T: 07730 193621

E: kmcphillie@scottishpower.com
scottishpowerrenewables.com



**Totus Engineering
Limited**

Splatford Barton
Kennford
Exeter
Devon
EX6 7XY

Contact: Tony Wilkes

T: 07907 727140

E: kevin.land@totus.co.uk
totus.co.uk



**T Clarke
Limited**

11 St Austell Business Park
Carclaze
St Austell
Cornwall
PL25 4FD

Contact: Dan Joyce

T: 07823 423022

E: dan.joyce@tclarke.co.uk
tclarke.co.uk





HIGH VOLTAGE

POWER SERVICES (SW)

