



pplengineering services

Version 23.1



ENGINEERING SOLUTIONS UNDER ONE ROOF



Message from

Perry Dixon

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CEng MIMechE MIHEEM

Managing Director



Since 2014 we have been providing independent and professional Authorising Engineer services to assist, and support Estates and Facilities Management organisations across the UK and overseas.

As a team of independent Authorising Engineers (AEs) and consultants for engineering systems, we can support your facility by advising, developing, implementing and monitoring Safe Systems of Work (SSoW). This ensures technical compliance with the respective statutory regulations. Acting as an autonomous advisor means our advice is impartial and will support you to achieve an improved standard of compliance.

Find out how we can support you and your organisation.





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The Role Of An Authorising Engineer

Where Our Expert Advice Comes Into Play



Design, Development and Management of Safe Systems of Work



Authorised Person Assessment and Recommendation for Appointment



Setting and Maintaining Standards



Auditing and Monitoring



Monitoring Performance and Maintaining Statutory Compliance



Assisting in Incident Investigation

Why You Need An Authorising Engineer

An Authorising Engineer's (AE's) role is to act as an independent professional advisor for high-risk engineering systems. This is accomplished by offering advice for: the management of SSoW, technical compliance, and individual/team skills and abilities.

We can support you with recommendations for the appointment of your Authorised Persons (APs), who would then manage your systems effectively and in accordance with company SSoW. The overall process and individual AP performance, can then be monitored periodically.

Working with the respective teams, we can aid the development of the organisational structure by carrying out regular audits of the SSoW. We do this by offering recommendations for any improvement and consequently supporting you to a safer, more effective, and compliant workplace.



A close-up photograph of a man's face, showing his eyes, nose, and a full, well-groomed brown beard. He is wearing a dark navy blue high-collared jacket. On the left side of the chest, there is a white logo consisting of a stylized 'O' with an orange and blue gradient, followed by the text 'pplengineering' in a bold, lowercase sans-serif font, and 'services' in a smaller, lowercase sans-serif font below it.

 pplengineering
services

Our Engineering Services

Personal And Professional Client Solutions

Our team offer a professional solution to your engineering queries. Working closely with all levels of the organisation, and in particular, the site APs and Competent Persons (CPs). We ensure they have the correct skill set to deliver the requirements of the relevant legislation, and company procedures with confidence.

We support the individual development of all personnel, which will increase the skill, competence and confidence of your organisational structure, improving the efficacy of the system.

Our Consultancy Service Includes:

- Creating and reviewing the SSoW specific for your needs
- Implementation and management of the respective SSoW
- Personal and professional development of APs and CPs
- Auditing compliance and SSoW
- Surveying assets and supporting risk management
- Remote support and advice
- AE/AP support when you need it



Authorising Engineer Consultancy

Following the principles of the AE - where no process exists, we can offer you both advice and support in establishing a cost-effective SSoW methodology. For those clients who already have a methodology in place, we can offer assistance in the review of safety documentation, as well as assisting in the auditing and assessment of personnel.

As members of The Institute of Engineering and Technology (IET), The Institution of Healthcare Engineering and Estates Management (IHEEM), Society of Operations Engineers (SOE), Institution of Mechanical Engineers (IMechE), and other professional accredited bodies, the services we provide can be in accordance with either the MOD Joint Services Publication (JSP) 375 Volume 3 "Management of health and safety in defence: high risk activities on the defence estate", the suite of Health Technical Memoranda (HTM), or bespoke customer safety rules and procedures.

Our Services Cover The Following Disciplines:

- High Voltage and Low Voltage Electrical Systems
- Aeronautical Ground Lighting Systems
- Mechanical and Pressure Systems
- Confined Spaces
- Ventilation Systems
- Work at Height
- Medical Gases
- Lifts
- Petroleum
- Hazardous Area



Electrical Selectivity Studies



Electrical Selectivity Studies (selectivity in accordance with BS7671) are carried out to ensure adequate protection of electrical systems and the safety of service provision. This is to limit disruption to the electrical infrastructure by finely tuning protective devices to activate correctly, minimising business disruption and downtime in the event of fault or overload. Additionally, the Electricity at Work Regulations (1989) recommends reviewing selectivity every 5 years or following any significant change to the system.

Following a detailed on-site survey of the installed electrical equipment, you are provided with a written report accompanied with a system line diagram and a grading chart. Additionally, you will receive recommended protection device settings, which will provide an appropriate level of selectivity for fault and overload protection for the HV system characteristics.

A Typical Study Includes:

- A protection selectivity study of the HV system will include the first LV breaker from each transformer and all HV devices through to, and including, the District Network Operator protection device
- A fault flow level study on the HV system
- A load flow level study of the HV system



Authorised Person Services

Our dedicated team of AEs are available to support and effectively manage your SSoW in accordance with the company's Safety Rules and Procedures, as well as regulatory requirements.

Our Authorised Person (AP) Services can be used to support a business which has a resource issue or offer guidance and bespoke mentoring services to prospective company APs.

Ready To Support And Manage Our Client's Safe System Of Work By Offering:

- Timely resources
- Guidance and bespoke mentoring services
- Increasing individual confidence
- Increasing individual competence
- Supporting you in the overall achievement of technical compliance



Compliance Audit



We work to monitor and audit effectiveness of the SSoW. See how we can assist you and your organisation with compliance audits.

Our Compliance Audit Services:

- Review current SSoW
- Review site activities in accordance with statutory requirements
- Review of current practices and advising of appropriate measures towards compliance
- Support can extend to advising the appropriate maintenance regimes, documentation structures, formal appointments of key roles and responsibilities
- Develop meaningful policies, procedures and training advice to satisfy the requirements of Health and Safety at Work 1974 and appropriate discipline specific regulations



Asset / Condition Survey

We identify equipment risk by reviewing the current operation and condition. We can advise on the impact, age, condition, and conformity with the current British Standards and the overall quality of the asset.

As independent advisors, we provide you with a meaningful risk register which is reviewed and appraised. Using this report will help make strategic decisions and improve financial efficiency.

Here To Improve Your Organisation And Minimise Costs

Contact our team to find out how we can assist with your organisation's assets.

Scan the QR code
to save our contact
information to your
mobile device





Healthcare Services



We are ideally set up to assist healthcare organisations with the implementation of the Health Technical Memoranda (HTM) across various disciplines, where HTMs do not exist we can offer alternative and bespoke SSoW options. Since 2014 we have been offering our services to numerous NHS Trusts, along with many commercial organisations.

We Can Provide Authorising Engineer Support Under The Following Unified Procedures And Bespoke SSoW:

- HTM 06-03 High Voltage
- HTM 06-02 Low Voltage
- HTM 02-01 Medical Gases
- HTM 03-01 Ventilation
- HTM 08-02 Lifts
- Mechanical and Pressure Systems
- Confined Spaces
- Work at Height



NHS Premises Assurance Model

Since 2013, the department of health and social care has published and regularly updated the NHS Premises Assurance Model (PAM). We are well positioned to assist and support NHS providers who are required to make use of the PAM. This includes acute, mental health and independent sector providers.

According To NHS England, Function And Benefits Of The NHS Premises Assurance Model Include:

- The ability to demonstrate to patients, commissioners and regulators that robust systems are in place and to provide assurance that the premises and associated services are safe;
- Helps trusts prioritise investment decisions in order to raise standards in the most advantageous way;
- The ability to measure compliance against legislation and guidance across the whole NHS.

Implementing Robust Systems Ensuring The Safety Of Your Premises And Associated Services:

- Safety (Hard FM)
- Patient Experience
- Efficiency
- Effectiveness
- Governance
- Regulations and Guidance Mapping



Bespoke Services



We offer tailored services which not only satisfy the relevant statutory requirements but can be used to fulfil site specific operations. Our services include: supporting, informing and assisting in technical issues, procedures and safety management practices, all in line with compliance requirements.

Our Bespoke Services Cover The Following Disciplines:

- High Voltage and Low Voltage Electrical Systems
- Aeronautical Ground Lighting Systems
- Mechanical and Pressure Systems
- Confined Spaces
- Ventilation Systems
- Work at Height
- Medical Gases
- Lifts
- Petroleum
- Hazardous Area

Scan the QR code to view our team profiles and resumes on our website



Why Choose ...



100 Years

Combined Experience



Covering 10+

Key Engineering Disciplines



International

Support and Assistance



Knowledgeable

and Experienced Engineers



PPL Engineering Services Ltd supports KBR and ultimately our military customers to ensure that works carried out in our austere locations are completed to a recognised Safe System of Work (SSoW). PPL's ability to deploy security cleared Authorised Engineers to audit, train and verify the safety of our workforce by appointing Authorised and Skilled Persons is critical to our service delivery.

In addition they have delivered Airfield Ground Lighting (AGL) training courses and recently completed a full airfield Due Diligence Inspection (DDI) report on Mazar-e-Sharif AGL systems. PPL have provided these services for 3 years and all of the team are adaptable to clients' needs.

I would recommend PPL Engineering Services Ltd for further works or any future training on projects that may require their services.

Simon Davies,
Programme Manager, KBR.



These organisations did..

We work directly with numerous commercial, defence, airport, sporting, and leisure facility clients to develop and maintain their operations in line with the appropriate statutory regulations.

 Ministry of Defence	 LAING O'ROURKE
	
 Mid Cheshire Hospitals NHS Foundation Trust	
	

Scan the QR code to enquire via email
and find out what we can do for you



Independent **Professional** Advice to **Assist** and **Support** Your Organisation



**Design, Development and Management
of Safe Systems of Work**



**Authorised Person Assessment and
Recommendation for Appointment**



Setting and Maintaining Standards



Auditing and Monitoring



**Monitoring Performance and
Maintaining Statutory Compliance**



Assisting in Incident Investigation

Head Office

York

PPL House, 6 Opus Avenue, York Business
Park, Nether Poppleton, York, YO26 6BL

Contact Us



01904 390 490



info@pplengserv.co.uk



pplengineeringervices.co.uk

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