

# Ross Barry BEng (Hons) MIET EngTech

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## Summary of Qualifications

- Bachelors Degree with Honours - Energy and Sustainability
- City & Guilds 6150-03 High Risk Confined Space
- City & Guilds - Authorised Person High Voltage – Operation and Safety
- City & Guilds – Authorised Person – Mechanical and Pressure Systems
- Level 3 City & Guilds Certificate in the Requirements for Electrical Installations BS7671:2018
- HNC Electrical Engineering
- IOSH Managing Safely
- Level 3 City & Guilds Electrical Installation
- Level 3 City & Guilds Certificate in Electrical Engineering
- SEMTA Advanced Apprenticeship in Engineering
- NVQ3 Engineering Maintenance (Electrical)
- Level 3 BTEC National Certificate Electrical/Electronic Engineering

## Work Experience

### **PPL Engineering Services Ltd – Trainee Authorising Engineer**

Jul 22 - Present

Trainee Authorising Engineer for Electrical Discipline. Developing site and system specific Safe Systems of Work and training regimes to comply with current legislation and procedures.

### **VIRTUS Datacentres – Technical Manager**

Nov 21 – Jun 22

Responsible for Engineering operations of 40MVA Datacentre – Providing day to day technical support to the FM team. This included site acceptance from project teams, contractor management, incident management and operational security of critical infrastructure.

Created, appraised and developed safe systems of work with on-site team including all SOP's/MOP's/EOP's including providing training and guidance to junior AP's on site.

## **VIRTUS Datacentres – Technical Shift Manager**

Feb 21 – Nov

Providing 24/7 support on site Facilities Management team on technical basis, providing 21 advice and solutions to any problems.

Responsible for witnessing all critical works on site to ensure site stability and quality service delivery. Support Data Centre Manager with technical aspects of business including incident management. Manage on site incidents effectively to ensure operational safety and security of the site including correct escalation procedures are always followed.

Ensure management of third-party contractors is efficiently managed to ensure service delivery is always met. Responsible for ensuring compliance of all policies and procedures by on-site teams including statutory legislation, customer SLA's etc

## **Gatwick Airport Ltd – Engineering Operations Manager**

Jan 19 – Dec 20

Leading the Engineering duty shift team at Gatwick Airport. 11kV Control Engineer (UKPNS) and responsibility of managing the HV network on site, which included two 33kV incoming feeders and almost 80 HV substations.

Confined Space Authorising Authority, Hot Works SAP, Life Safety Systems SAP and Crane AP. Organisation and authorisation of the permit to work and contractor management system.

Operated engineering systems such as Fire alarms systems, BMS, HVAC, Pump stations and Water Treatment Facilities, both foul and surface. This involved fault management and investigation.

Responsible and accountable for engineering incidents and crisis management. I have provided technical input into a variety of scenarios such as severe flooding, electrical fires and utilities service strikes to ensure safety and reduce operational risk.

Provide effective communication between stakeholders including up to 8 engineering teams of technicians and provide duty reports for each period of duty. Lead the 50+ engineering technicians from all engineering department airport wide and the engineering operation (out of core hours) while on duty to ensure operational performance, health & safety and asset maintenance are being adhered to, while having a designated team focus area of expertise to mentor.

## **Gatwick Airport Ltd – Project Manager**

Apr 18 – Jan 19

Delivered planning stage for circa £5m HV SCADA replacement project, this included liaising with DNO and other stakeholders to gather information from all HV/LV Substations across site. Provide strategic analysis of SCADA concept & design ensuring an effective solution was delivered for the business.

Effectively negotiate to ensure cost effective use of OPEX and CAPEX budgets as well as delivering the product required to suit business needs.

Responsible for ensuring all governance is adhered to including regular presentation and reporting of current project status to the board.

Implementation of Gatwick Airports £1m access control system asset replacement of almost 3000 cylinders across the campus, key allocation and associated governance processes.

### **Gatwick Airport Ltd – Airport Duty Engineer**

Oct 16 – Apr 18

Senior Authorised person for Electrical LV network including Inter Terminal Shuttle System, Airfield Lighting, 3.3kV Chillers and Authorised person for Confined Spaces & Hot Works. Ensured compliance with Safe Systems of Work including the issue, recording and audit of Confined Spaces, Electrical Safety Rules, Hot works etc records to ensure a reduction of accidents and incidents. Review of SSoW to ensure safe working practices on site.

### **Gatwick Airport Ltd – Technician**

Mar 09 – Oct 16

Authorised person status for Electrical LV network, Confined Spaces & Hot Works.

Technical lead for standby generator systems - 26 Standby Generators from 30KW – 1MW and the LV network. (Service, Fault Finding, Installation and Commissioning)

Maintenance of: Control Systems, Foul and surface water Pumping stations, Balancing ponds and Environmental compliance, Water drainage and treatment facilities, Security Barriers including Avon PAS 68 High Security, Street Lighting and Furniture, and also involved in Induction lighting energy saving project.

### **Professional Skills & Experience**

<ul style="list-style-type: none"> <li>• <b>11kV HV Control Engineer</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Confined Space Authorising Engineer</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>People Leadership</b></li> </ul>
<ul style="list-style-type: none"> <li>• <b>LV Senior Authorised Person</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>HV Authorised Person</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Contractor Management</b></li> </ul>
<ul style="list-style-type: none"> <li>• <b>Emergency Responder</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Project Management</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Asset Management</b></li> </ul>
<ul style="list-style-type: none"> <li>• <b>Building Services Management</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Permit to Work Systems</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Incident Management &amp; Investigation</b></li> </ul>