**PAUL MICHAEL SHIEL**

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**Electronics Engineering Executive**

*25+ years of success leading electronics, electrical test/evaluation, and servicing /rectification*

Seasoned, innovative electronics engineer and manager with comprehensive experience across royal air force and lighting industry. Recognised for fault diagnostics, product rectification, modification, commissioning, testing, and consultation. Demonstrated capacity to design electrical schematics, establish and lead cross-functional teams, and administer contracts and budgets. Robust ability of site visits for repair, maintenance, modifications, assistance, integration, logistical support, de-commissioning, and asset re-locating.

**Core Competencies:**

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| * + Lighting Controls and Systems   + Lead Commissioning and Start up   + Contract Management/Negotiations   + Vendor Relationship Development | * + Quality Assurance and Testing   + Organisation and Administration   + Technical Troubleshooting   + Team Training and Development |

**Professional Experience**

EL-TECH LIGHTING

**Director/Owner and Engineer**, 2010 – Present

Direct all activities and functions associated with electrical and electronic service to the major lighting companies and lighting control companies. Expertly performed duties such as investigation, rectification, commissioning, sampling, consultation, report writing, database recording, logistics, energy surveys, controls commissioning, asset management, spares control, man management, and project management.

*Key Achievements:*

* Enhanced customer satisfaction and retention by promptly resolving the problems in all aspects of the after sales and warranty needs.
* Deliver efficient assistance to the customers with regular meetings, conference calls, and trainings, as well as maintained training needs and qualifications, including health and safety aspects.

WHITECROFT LIGHTING

**After Sales Technical Engineer**, 2007 – 2010

Leveraged broad scope of technical knowledge and experience for the business to customers and contractors. Actively participated in meetings, identified problems, demonstrated products, offered advice and training, and controlled repair teams of contractors.

*Key Achievement:*

* Conducted the quality audits with input into future improvements, delivered expert services in lighting protocols, software, and methodologies used in the lighting industry.
* Made deliberate efforts for starting up the lighting controls commissioning department and took initiatives for the commissioning lighting controls.

ITT DEFENCE

**Field Service Engineer (4th Line)**, 2005 – 2007

Achieved bottom-line results by efficiently performing responsibilities such as servicing, upgrading, calibration, setting up, maintenance, and repair. Contributed efforts by attending meetings, producing reports, training aids, and planning future asset movements, in addition to spares control and scrappage.

*Key Achievement:*

* Significantly improved the reputation and serviceability of the in service Air defence RADAR in order to attain a better position for the company to bid for future contracts.
* Accomplished assigned goals by regularly attending the four sites, increased the serviceability that led to an increase in availability, as well as increase in air defence coverage for the RAF.

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*Prior experience as Electronics Engineer (1989 to 2005) for Royal Air Force.*

**Technical Proficiencies**

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| **Maintenance:** | Various RADAR, VHF/UHF/HF Systems, Lighting Controls and Systems,  Antennas & Masts, Emergency Lighting monitoring and testing systems |
| **Principles:** | Analogue and digital circuits, RF principles, LAN/Fibre optics/Copper Cabling/SDH, Inverters/drivers and ballasts, Modulation, Frequency synthesis, DALI/DMX protocols |
| **Equipment:** | Spectrum Analysers, Logic Analysers, Microwave Test Sets, Frequency Synthesizers, Pulse Generators, Noise Generators, Oscilloscopes, Power Meters, Fluke meters, Fluke monitors, BITE,OTDR,LAN testers, Connectivity testers, Tone Generators, MIDATA, Temperature sensors, Multione, MasterConfigurator & pc based software |

**Education and Credentials**

ONC BTEC Electrical Engineering

17th Edition Wiring Regulations

BTEC Level 3 SDH

City & Guilds 3666-02 Units 1-4 Fibre Optics and Copper Cabling

NEMAP NOCN Level 2 Digital Cable Communications systems and Installation

City & Guilds 6156 Unit 2 RASWA (Signaling, Lighting and Guarding)