



Roger Key

General Manager - EHV
Cable Systems Design &
Engineering

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Professional Overview

Roger is a very experienced Principal Operations Manager very proficient in leading and managing a EHV Power professional design services business:

Acting as a design team leader for capitol EHV transmission and distribution infrastructure projects up-to £100M. Specialist skills in EHV cable system design and installation with extensive experience in both design and delivery roles including Aviation.

Accountability for driving development, innovation, and delivery of annual business objectives, plans and P&L/Budgets for professional service areas, health and safety and client relationships.

Management of a multi discipline team of professional design engineers, ensuring and improving the delivery of service excellence through a can-do attitude approach with regard to the following design disciplines:

EHV Substation Design & Project Management, EHV cable design
EHV Substation Engineering/ Construction Management

EHV Cable Engineering & installation Management

Years of Industry Experience

58 years

Qualifications and Memberships

Senior Authorised Person (SAP) EDF Energy

Senior Authorised Person Heathrow Airport

Qualifying Manager LV Distribution-CG2400

CG Electrical papers 1,2, & 3

Member of Institute of Engineering and Technology Key Skills and Competencies

TP 144 Senior Project Manager

C.D.M. Business Awareness for Managers

IOSH Managing Safely, Continuous Certificate

Change Control Management

Term Contract Management

Substation Design Management and Project Controls

EHV Cable System Design and Installation Management

Programme Management and Interactive Planning Competent

Time Management Trained

Account Management, Earned Value, Profit and Loss

Professional History

2024 – Present | Groundline | General Manager Cable systems

2023 | Burns & McDonnell | Section Manager Cable systems

2015 | AMEY | Account Manager EHV Power Systems Design

2013 | Murphy group | Design Manager EHV Cable Systems



2010 | Morrisons | Design Manager EHV Cable Systems
2008 | National Grid Alliance/MUS | Design Manager EHV Cable
2002 | EDF Energy | Heathrow Airport T5 Cable Design Manager
1998 | Hyder (Western Power) | EHV Engineer – Renewables
1995 | S Wales Contract Services | Control Panel Division MD
1972 | EHV Contracting Services | Managing Director
1966 | South Wales Electricity Board | Student – to - Engineer

Project Experience

Swansea North 400kV GIS Substation (new 11 bay build)

EHV Project Manager, managing the delivery and coordination between South West Alliance Partners, namely National Grid, Morrison, Mitsubishi and Jacobs

Pyle 275kV Substation new install additional cable circuits.

Cable Systems Design Manager, managing the Cabling Design and the interface between the Southwest Alliance and the chosen Cable installation Supplier namely Sudkabel.

Bramley 275kV Substation additional cable circuits

Cable systems Design Manager, managing the Cabling Design support and interface between the Southwest Alliance and the chosen Cable installation Supplier

Uskmouth 275kV Substation additional cable circuits

Project Manager support to Project Delivery team and coordination between Alliance Partners, namely National Grid, Morrison, Mitsubishi, and Jacobs.

Creykebeck 275/132kV substation

Cable Systems Design Manager, managing the Cabling Design team and the interface between ABB the main Contractor and Morrison Utility services the Cable design and installation contractor

Knocknegael 275kV substation Inverness

Cable Systems Design Manager, managing the Cabling Design Team and the interface between the Client and Morrison Utility services the Cable design and cable installation contractor for the 275kV connection and cable system routes to the Tower transition locations.

Teesside 33kV Substation and connection to off shore Wind Farm

Cable Systems Design Manager, managing the Cabling Design Team interface between the Client and Morrison Utility services the Cable design and Substation installation contractor for the 33kV connection and cable system routes to the Teesside offshore wind farm beach head joint transition locations.

Heysham 400kV Substation Lancaster

Cable Systems Design Manager, Managing the Cabling Design Team and the interfaces between both Design teams for Dong Energy (now Orsted) the Client and Morrison Utility services the Cable design and installation contractor for the 400kV connection to Heysham Grid and 155kV cable system routes to the West of Duddon sands Offshore wind farm beach head joint transition locations.

Melksham 275kV Substation

Cable Systems Design Manager, Managing the Cabling Design Team and the interface between National Grid the Client and Murphy Contracting services the Cable design and installation



contractor for the 66kV connection to Network rail for the Swansea to Paddington Electrification scheme.

Heathrow Airport Terminal 5 and airport expansion programme.

Cable Systems and Design Manager, Managing the Cabling Design and Construction team (16) and the interface between EDF Energy the main Consultant, Laing O'Rourke the main contractor and HAL Heathrow airport Ltd covering the installation of 30+major substations and 800km of 33/11kV cabling in a subterranean network of tunnels, pit and duct networks in a square kilometre.

Iron Bridge Substation changes

Cable systems, Design & Account Manager, managing the Cable system Design and Design team (35), and the interfacing between National Grid the Client and Amey Consulting the Design and installation contractor for the installation and demolition works

Four stones 33kV substation

Cable systems, Design & Account Manager, managing the Cable system Design and Design team (35) and the interfacing between National Grid the Client and Amey Consulting the Design, Cable design and installation contractor for the 33kV cable system works.

Deeside 400kV Substation & Deeside EHV Testing centre

Cable systems, Design & Account Manager, managing the Cable System Design and Design team (35) and the interfacing between National Grid the Client and Amey Consulting the Design, Cable design and installation contractor for the cable system works and various test centre installations.

Willington 132kV SGT replacement

Cable systems, Design & Account Manager, managing the Cable System Design and Design team (35) and the interfacing between

National Grid the Client and Amey Consulting the Design, Cable design and installation contractor for the SGT replacement works.

Fort Augustus 132kV cable installation works

Cable systems, Design & Account Manager, Managing the Cable System Design and Design team (35) and the interfacing between National Grid the Client and Amey Consulting the Design, Cable design and installation contractor for the 132kV cable installation works.

Cemmaes On Shore Wind Farm North Wales 24 Turbine site

Cable systems, design, and Electrical Site Manager, managing Hyder Infrastructure Ltd Cable System Design and Substation design teams (20) and coordinating site installation works to completion.

Llangwyrfran on Shore Wind Farm West Wales 17 Turbine site

Cable systems, design, and Electrical Site Manager, managing Hyder Infrastructure Ltd Cable System Design and Substation design teams (20) and coordinating site installation works to completion

Bryntitly on shore Windfarm Mid Wales 22 turbine site(Manweb)

Cable systems, design, and Electrical Site Manager, managing Hyder Infrastructure Ltd Cable System Design and Substation design teams (20) and coordinating site installation works to completion

Bein & Tuirc on shore wind farm Mull of Kintire 48 Turbines

Cable systems, design, and Electrical Site Manager, managing Hyder Infrastructure Ltd Cable System Design and Substation design teams (20) and coordinating site installation works to completion.