

THE POWER
BEHIND DEFENCE

UK
Power
Networks
Services 



Enabling the Armed Forces to focus on their core day-to-day activities

WHAT WE DO

As one of the leaders in the provision of critical electrical infrastructure services, UK Power Networks Services plays a vital role in the heart of Britain's defence industry. Through our technical know-how we are able to offer world-class solutions to meet your expectations in all future defence electrical infrastructure projects.

We are able to offer the defence sector a bespoke service, together with a 'multi-utility' approach, either alone, or through our established Multi Utility Joint Ventures (MUJVs). UK Power Networks Services offers a full spectrum of professional services including consultancy, project management, finance, design, construction, operation and maintenance, asset management and sustainability solutions.

Under Project Allenby/Connaught UK Power Networks Services operate and maintain the high voltage and low voltage distribution networks across the MoD's Aldershot and Salisbury Plain Army garrisons. Maintaining and modernising the defence infrastructure plays a crucial role in ensuring a robust and secure electricity network enabling the Armed Forces to focus on their core day-to-day activities.

We work closely with our clients to provide the design and delivery of tailored solutions in delivering and managing all aspects of electrical infrastructure.

HEALTH & SAFETY IN DEFENCE

UK Power Networks Services will deliver a fully integrated approach to developing health and safety initiatives by applying proven strategies and innovative approaches from our Safety Management System (SMS). This enables us to foster an environment of continuous, measurable safety improvement and to collaborate with all stakeholders to deliver a step change in safety performance.

STAY SAFE INITIATIVE

The 'Stay Safe' programme is designed to challenge our beliefs about safety and positive differences are already being seen. 'Stay Safe' behavioural safety is delivered to staff, who all have the option to become Front Line Coaches (FLCs), Organisational Coaches (OCs), or trainers.

During Phase 1 and 2, over 2,250 people attended the 'Stay Safe' launch day and over 500 volunteered for Front Line safety coaching. The programme, which began in 2013, will help us to make better safety choices in the future for ourselves, our colleagues and our families.

ACCREDITATIONS

- ISO 9001:2008
- ISO 14001:2004
- BS-OHSAS 18001:2007

OUR TECHNICAL CAPABILITIES

Project Management:

- Electrical infrastructure design and build
- Low voltage and high voltage distribution
- Street lighting systems

Network Management:

- Robust security of supply solutions
- Risk management
- Whole life asset planning and optimisation
- Asset management
- Project management to optimise capital works and asset replacement
- Network development to create robust, efficient designs
- 24-hour cover to match Defence operations

Network Audit:

- Internal and external network studies
- Asset scheduling
- Records maintenance
- Network compliance management

Professional Services:

- Network studies
- Asset condition
- System performance enhancement
- Staff training
- Safe system of work

CASE STUDIES

ALLENBY/CONNAUGHT

The £8 billion Allenby/Connaught project is the MoD's largest infrastructure Private Finance Initiative (PFI). The project is being delivered by Aspire Defence, a joint venture between Carillion and KBR.

Its' aim is to make the lives of British soldiers better by rebuilding and refurbishing living and working accommodation for nearly 19,000 soldiers. This includes the upgrade of power, gas and water infrastructure that dates back to the 1960s and earlier in Army garrisons across Salisbury Plain and at Aldershot.

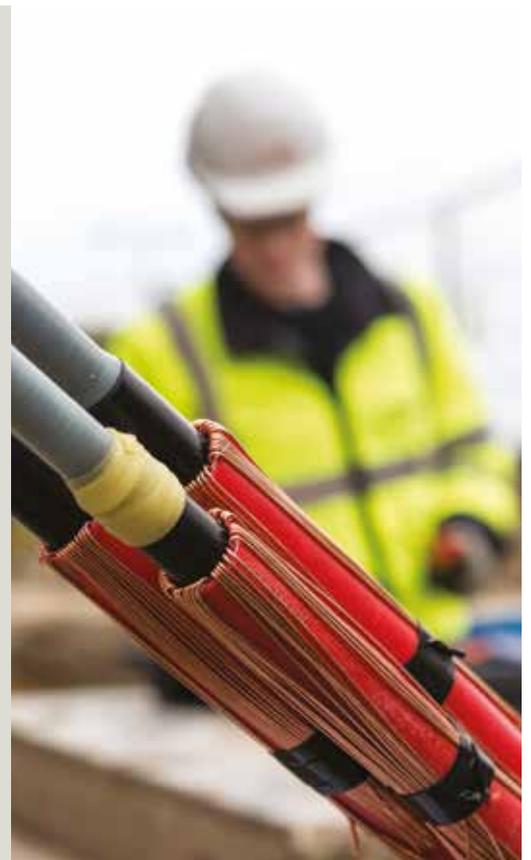
For the original eight year new-build and refurbishment programme, UK Power Networks Services formed a Joint Venture with Veolia to provide a 'one-stop multi-utility shop' for the project's needs. The Multi-Utility Joint Venture (MUJV) brought a number of advantages to the project; certainty of delivery and cost; a single point of contact for all multi-utility aspects; and transfer and management of utility risks.

The UK Power Networks Services team continues to provide the management, operation and maintenance of the existing and new utility infrastructure for the 35-year contract period through to 2041.

In addition we're providing a full range of services in support of current initiatives. This includes assessing, replacing or bringing up to standard the electrical infrastructure. This has to be carried out without power interruption or affecting the day-to-day operational life of the garrisons served.

The project involves substantial maintenance challenges in the long-term provision of new and inherited water, waste-water, gas and electric networks for a population of 19,000 personnel.

While our work for Project Allenby/Connaught requires hard engineering skills of the highest order, it also necessitates an understanding of the impact of these engineering decisions on stakeholders and the environment. Rebuilding the power infrastructure of four garrisons spread across Aldershot and Salisbury Plain is a significant undertaking.





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