



# CONTRACT SERVICES DIVISION

DESIGN, MANUFACTURE, INSTALL & MAINTAIN



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## CU PHOSCO CONTRACT SERVICES DIVISION

CU Phosco offers a full turnkey solution that designs, manufactures, installs, and maintains high masts, lighting and columns in-house – offering bespoke solutions to a global market. Through design excellence, quality products, project management and a customer-centric approach, our bespoke sustainable infrastructure solutions create safer, brighter and connected environments.

The CU Phosco Contract Services Division comprises a highly skilled, experienced, and qualified team of contract professionals and are based in Richmond North Yorkshire and Ware, UK.

### CU PHOSCO CONTRACT SERVICES INCLUDE:

- **High Mast Lighting** – Installation and maintenance
- **Civil Engineering** – from cabling and associated electrical works to foundation construction and design
- **Technical Survey services** – electrical testing, cable locating, duct proving, pull off testing and structural testing
- **Sports Lighting** – full turn-key services, from concept to installation and maintenance, including new and retrofit projects



## HIGH MAST LIGHTING INSTALLATION

From airports, to ports, highways, trunk roads and residential areas, CU Phosco High Masts and lighting can be seen across the Globe.

CU Phosco Contract Services Division will manage the full installation including lighting, column or High Mast removal and erection, excavation or cable trenches and surface reinstatement of all electrical works. Electrical connections, including groundworks, cabling, and jointing as well as ducting and chamber installation, are completed by relevant personnel qualified and trained to 18th edition and CU Phosco is a NICEIC registered company. CU Phosco Contract Services Division will manage the full installation including lighting, column or high mast removal and erection, excavation or cable trenches and surface reinstatement of all electrical works. Electrical connections, including groundworks, cabling, and jointing as well as ducting and chamber installation, are completed by relevant personnel qualified and trained to 18th edition and CU Phosco is a NICEIC registered company.





## HIGH MAST LIGHTING MAINTENANCE

Maintaining any High Mast is crucial for the safety of the immediate environment, efficacy of the structure and, with correct maintenance, can see the standard 25-year life of a High Mast extended.

CU Phosco Contract Services Division conduct regular structural integrity of all High Masts, from mast shafts lantern carriages, winches, wire ropes and foundations to confirm they will be safe and operational for extended use. A pro-active approach not only provides peace of mind to our customers, it also ensures that the High Masts are compliant with all relevant technical and health and safety requirements detailed in the Professional Lighting Guide 07, High Masts for Lighting and CCTV (2013 Edition) produced by the Institution of Lighting Professionals.

Our services extent to retrofit project which can bring old masts up to date by fitting new energy efficient bespoke high mast LED luminaires, increasing efficiency. Our Retrofit Service will enable checking, and refurbishing - or replacing - the lantern ring, headframe, ropes, electrical cables, and winches. By implementing a structured maintenance programme, you can ensure compliance with all current legislation, enhance the life of the equipment, and save energy.





## INSTALLATION AND MAINTENANCE USING APPROPRIATE AND QUALIFIED PROFESSIONALS

Our maintenance teams are highly qualified and are subject to a continual programme of training and development (both in house and external) including:

- CITB CPCS Lifting Operations
- ALLMI
- NICEIC
- IPAF
- HERS (Highway Electrical Registration Scheme)

Outside of the UK, our team can train local operatives to maintain our High Masts to our own high standard, ensuring that products are safe, and the lighting design delivers its full potential throughout its life.







## CABLING AND ASSOCIATED ELECTRICAL WORKS

Our qualified team can identify, and support cabling required for any civil engineering project, this includes all electrical requirements related to the scheme.

With our team of Chartered Civil Engineers (ICE – Institution of Civil Engineers) and experienced Technicians, we can help our customers to find the right product for their needs from either our wide range of ready-to-use or bespoke designs and manufacture of products for any project.



## CIVIL ENGINEERING

### STRUCTURAL FOUNDATIONS CONSTRUCTION AND DESIGN

Our dedicated and experience team of designers can not only provide any scheme with structural design support, whether that is a fully serviced package, or a stand-alone project, our skilled team can undertake detailed bespoke or off-the-shelf structural design and installation.

Key projects include Concrete Pad Foundations & Screw Piled Foundations for:

- Site Investigations
- Geotechnical Reports
- Structural Foundation Design to meet client specification requirements
- Foundation Installation (to include Screw Piling as required)
- Lightning Protection Installation Mast design – lighting, CCTV and Telecommunication masts
- Specialist column design





## TECHNICAL SURVEYS AND WORKS

Offering a vast range of Technical Survey services, our team can complete electrical testing, cable locating, duct proving, pull off testing and structural, duct proving, pull off testing and structural testing.

### ELECTRICAL TESTING:

CU Phosco Services Division's team of qualified electrical professionals can undertake detailed Electrical Inspection and Testing for:

- Survey works, in advance of a new scheme or design to determine the electrical integrity of the existing installation
- As part of a newly completed scheme/installation to prove compliance prior to being put into service.
- To provide our clients with an Electrical Installation Condition Report for existing schemes
- Where testing is undertaken, "as installed" drawings/client marked up drawings will be provided as agreed/required. All testing is undertaken in line with the requirements of BS7671: IET Wiring Regulations (18th Edition) and the Electricity at Work regulations 1989. As a NICEIC registered organisation, our in-house team, all of whom are registered to HERS (Highway Electrical Registration Scheme), are trained to 18th Edition requirements BS7671 are competent and experienced to undertake Electrical Testing in the highway electrical sector.
- Lightning Protection Installation Mast design – lighting, CCTV and Telecommunication masts
- Specialist column design



### PULL OFF TESTING

Continued investment in training and equipment has enabled CU Phosco Services Division to provide a full, comprehensive pack which includes:

- Provision of Test criteria, based upon Appendix 13/1 of the Specification for Highway Works
- Stud Pull testing of High Mast Foundations for re-use with new masts
- Stud Pull testing of Lighting Column Foundations
- Removal of Failed Studs through calculation

Either renewal of Failed Studs with chemical anchors and adaptor plates enabling v the use of the existing mast foundation or new foundation construction.

Our in-house team undertake all Design and Site Testing to include the provision of certification upon completion. All associated Column/Mast removal and reinstallation to include any electrical isolations, disconnections and reconnections can also be undertaken by our multi-disciplined site teams.





## About CU Phosco

CU Phosco provides an in-house end-to-end service encompassing design, manufacturing, installation and maintenance of high masts, columns, and lighting for the global market. Through design excellence, quality products, project management and a customer-centric approach, our bespoke sustainable infrastructure solutions create safer, brighter, and connected environments.

Established in 1923, our century long legacy of technical expertise and operational integrity has earned the trust and business of customers worldwide across sectors including road, telecoms, airports, ports, and sports.

Our lighting products are rigorously tested to be used in all environments and are built with circularity in mind. Our lighting columns and masts range from 3 metres to 60 metres in height and can be seen on roads, motorways, at airports and ports, shopping centres, residential areas, and sports stadiums throughout the world.

Our products are designed and manufactured in the UK at our dedicated lighting and high mast facilities and made from 100% recyclable or reusable materials.

