



# ABOUT US

DESIGN, MANUFACTURE, INSTALL & MAINTAIN



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# CU PHOSCO

## A CENTURY OF BRITISH DESIGN, MANUFACTURE AND MAINTENANCE OF EXTERIOR LIGHTING

CU Phosco are the sole provider of a turnkey, in-house service, spanning the design, manufacture, installation and maintenance of high masts, lighting, and columns on a global scale. 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.

Founded in 1923, our family-run business is the longest established premier exterior lighting group in the UK. With factories based in Gloucestershire and Yorkshire, our high masts and columns are Made in Britain, and our luminaires are manufactured at the head office in Ware. Our Contract Services Team, based in Richmond, North Yorkshire, lead our highly skilled maintenance and installation teams.

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, in shopping centres, housing estates and sports stadiums throughout the world.

### WHAT MAKES US DIFFERENT?

The only UK Exterior Lighting company to offer a complete end-to-end solution for our customers, we provide services from initial consultation to the design and final colour presentation of a CAD lighting scheme, to the manufacture of exterior lighting luminaires, floodlights, lighting columns and masts, delivery, installation, and on-going maintenance.

### OUR SERVICES



DESIGN



MANUFACTURE



INSTALL & MAINTAIN

# DESIGN

## TAILORED DESIGN SERVICES

Based in our head office in Ware, our dedicated team of designers for all of our lighting, columns and high masts use the latest in technology to create sustainable and durable products designed to meet every lighting need..

## PRODUCT DESIGN

Using detailed customer and market analysis, we work in partnership with our clients to deliver the very best in product design solutions. From 3D modelling, to detailed designs, our products are designed to withstand the elements, have long lifespans and are tailored to the needs of the scheme.

## LIGHTING DESIGN

Using the latest in LED Technology, we design and test at our Head Office, supported by our dedicated team of highly experienced lighting specialists.

We are the only company to have a UKAS Testing laboratory for photometry, thermal and electrical testing, with circularity and sustainability a key focus.

## STRUCTURAL DESIGN

Whether it is part of its full turnkey package of work or as a stand-alone item can undertake detailed Structural Design for numerous scenarios:

Concrete Pad Foundations & Screw Piled Foundations for:

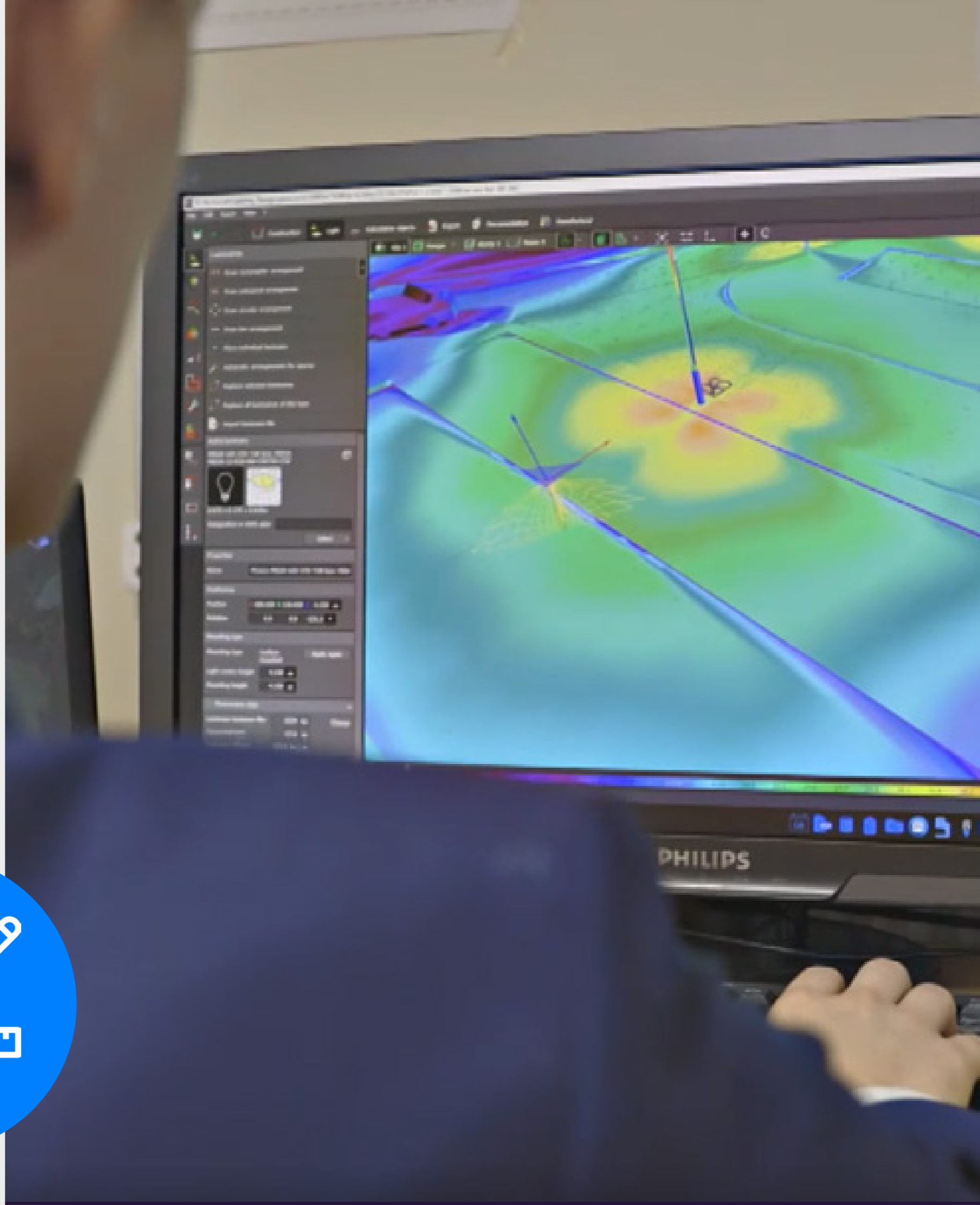
- Lighting Masts
- CCTV Masts
- Telecommunication Masts
- VMS and Large Signs

Ground investigations if required

Mast design – lighting, CCTV and Telecommunication masts

Specialist column design

Our ranges are 100% recyclable and designed to the highest energy-efficiencies.



## MANUFACTURE

### LUMINAIRES - WARE - HERTFORDSHIRE

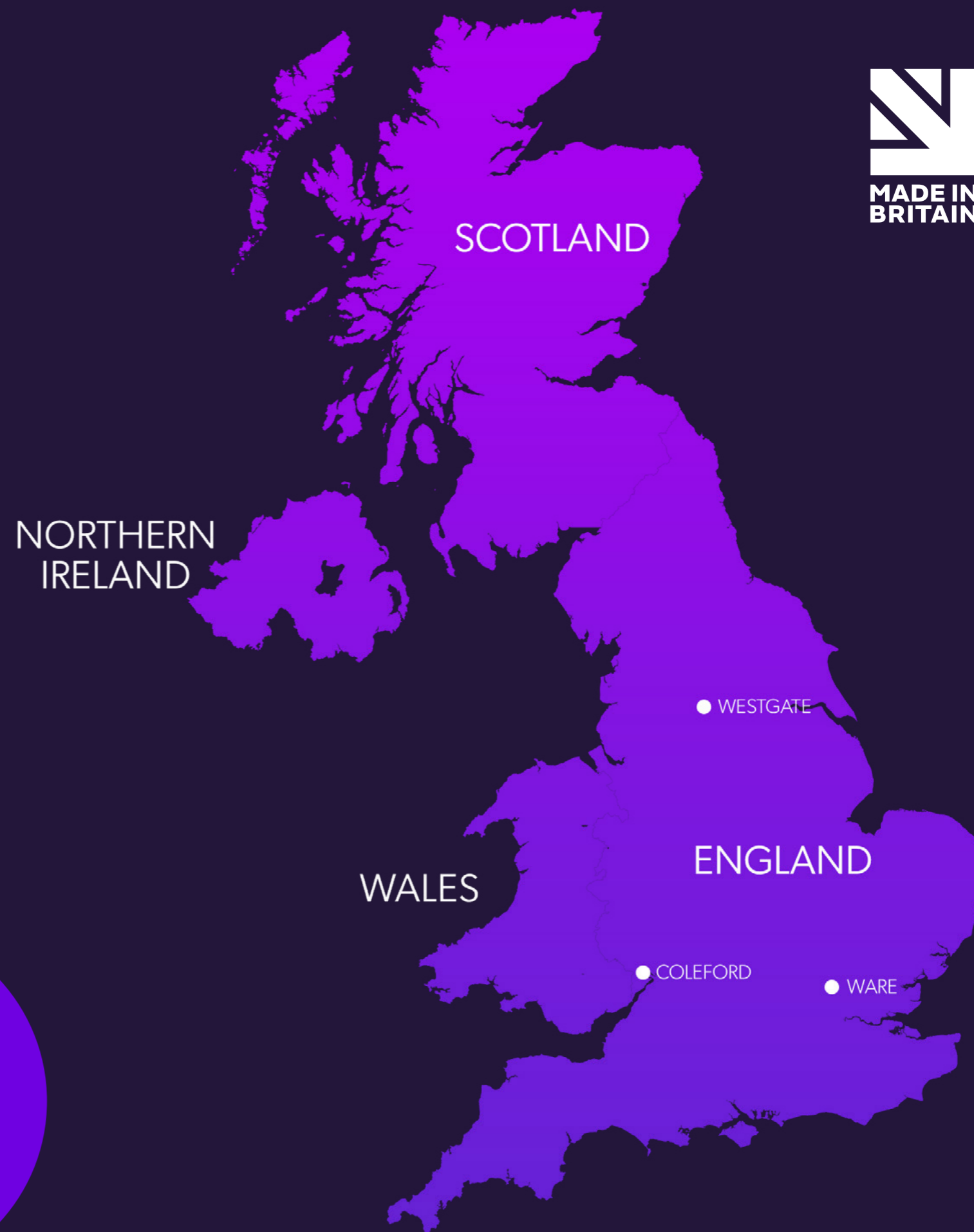
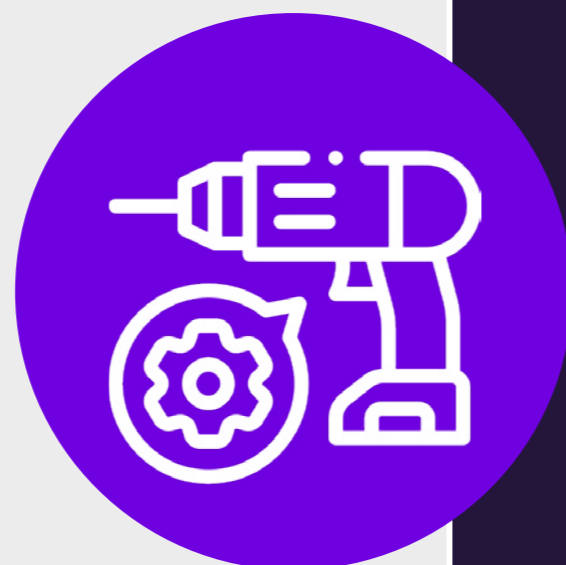
CU Phosco Ware have designed and manufactured a complete range of road lighting, amenity and floodlighting since 1965. All metal working (drilling, milling, folding and punching) is produced by CNC controlled machines as is the application of adhesives to ensure the highest possible standards.

### HIGH MASTS - WESTGATE - YORKSHIRE

CU Phosco Westgate manufactures High Masts up to 60 metres high, Stadium Masts to carry 150 Floodlights and Transmission Masts. The 6 metre Guillotine and 500 Ton Press are capable of cutting and folding 12mm steel. The CNC Profile Cutter produces all the flanges and base plates, operated by qualified and skilled teams, welding to EN 288-287 standards.

### COLUMNS - COLEFORD – GLOUCESTERSHIRE

CU Phosco Coleford works produces our range of tubular Steel columns up to a height of 15 metres. The tubular shaft section is welded to the base section which is swaged on a CNC Hydraulic push point machine with a capacity from 193mm O/D down to 60mm O/D.





## LIGHTING SOLUTIONS

In partnership with our clients with over century of lighting the globe's highways, roads, airports, ports and more, we offer a range of luminaires and floodlights designed to support any lighting scheme. From our popular E95X range, covering residential and highways roads, to our FL range of floodlights, found on high masts in the world's ports and airports, we design specifically for your project, offering a sustainable, bespoke solution for every project.

## COLUMNS

Built to withstand any project our columns and high masts are available in a variety of forms, from Forest Columns to support residential lighting, to our In-tension Raise and Lower High Mast, covering lighting schemes up to 60m with a unique ground-level maintenance capability. We work with our clients to develop the right solution for their project, from inception through to delivery, maintenance and beyond.

## INSTALL

From Lighting columns to high masts, we have worked with some of the world's biggest companies to achieve their lighting needs. From the toughest environments, such as operational airports, ports and busy highways, to 60 m high masts, our High Mast Installation is undertaken by our qualified and competent in-house team with many years of experience in the specialist skills required for high mast installation.

Our lighting columns are designed and manufactured to European Standard BS EN 40 and include:

- Stepped Tubular Columns
- Tapered Tubular Columns
- Mid Hinged Columns
- Base Hinged Columns

## MAINTAIN

CU Phosco is a NICEIC and HERS Approved Contractor. We can complete the whole job or parts of it, dependent on client requirements. In many cases worldwide where our customers needed help, we have supplied skilled personnel to supervise local operatives undertaking the installation and commissioning of high mast schemes.





INSTALL & MAINTAIN

## OUR KEY SERVICES INCLUDE:

### HIGH MAST LIGHTING

- Installation & Maintenance

### CIVIL ENGINEERING

- Cabling and associated electrical works
- Foundation construction and design

### TECHNICAL SURVEY WORKS

- Electrical testing
- Cable locating
- Duct proving
- Pull off testing
- Structural testing

### SPORTS LIGHTING

- Full turn-key services, from concept to installation and maintenance, including new and retrofit projects



## WHO WE WORK WITH

### AIRPORTS

Aberdeen Int. Airport, ABZ, UK

Addis Ababa Bole Int. Airport, ADD, Ethiopia

Strasbourg Airport, SXB, France

Al Maktoum Int. Airport, DWC, UAE

Baghdad Int. Airport, BGW, Iraq

Bahrain Int. Airport, BAH, Bahrain

Basra Int. Airport, BSR, Iraq

Belfast Int. Airport, BFS, UK

Birmingham Airport, BHX, UK

Bournemouth Airport, BOH, UK

Cairo Int. Airport, CAI, Egypt

Carcassonne Airport, CCF, France

Cardiff Airport, CWL, UK

Cascais Municipal Aerodrome, CAT, Portugal

City of Derry Airport, LDY, Ireland

Colombo Bandaranaike Int. Airport, CMB, Sri Lanka

Constanta Int. Airport, CND, Romania

Mihail Kogălniceanu Int. Airport, CND, Romania

Cork Airport, ORK, Ireland

Coventry Airport, CVT, UK

Dhahran Int. Airport, DHA, Saudi Arabia

Dubai Int. Airport, DXB, Dubai

Dublin Airport, DUB, Ireland

Edinburgh Airport, EDI, UK

Evreux-Fauville Air Base, EVX, France

Farnborough Airport, FAB, UK

Faro Int. Airport, FAO, Portugal

Sir Seretse Khama Int. Airport, GBE, Botswana

Gan Int. Airport, GAN, Maldives

Glasgow Airport, GLA, UK

Grantley Adams Int. Airport, BGI, Barbados

Humberto Delgado Airport, LIS, Lisbon

Isfahan Int. Airport (Shahid Beheshti), IFN, Iran

Jubail Naval Airport, OEJB, Saudi Arabia

Kamuzu Int. Airport, LLW, Malawi

Kirkwall Airport, EGPA, UK

Larnaca Int. Airport, LCA, Cyprus

Liverpool John Lennon Airport, LPL, UK

London City Airport, LCY, UK

London Gatwick Airport, LGW, UK

London Heathrow Airport, LHR, UK

London Luton Airport, LTN, UK

London Stansted, STN, UK

Madiera Airport, FNC, Portugal

Malta Int. Airport, MLA, Malta

Manchester Airport, MAN, UK

Haikou Meilan Int. Airport, HAK, China

Moi Int. Airport, MBA, Mombasa

Norman Manley Int. Airport, MBA, Jamaica

Providenciales Int. Airport, JNB, South Africa

Osobi Airport, QRW, Nigeria

Providenciales Int. Airport, PLS, Turks & Caicos

Queen Beatrix Int. Airport, AUA, Aruba

Sana'a Int. Airport, SAH, Yemen

Santa Maria Airport, LPAZ, Azores

Amsterdam Airport Schiphol, AMS, The Netherlands

Shannon Airport, SNN, Ireland

Sharjah Int. Airport, SHJ, Sharjah

Singapore Changi Airport, SIN, Singapore

Sir Seewoosagur Ramgoolam Int. Airport, MRU, Mauritius

Southampton Airport, SOU, UK

Stornoway Airport, SYU, UK

Sultan Abdul Aziz Shah Airport, SZB, Malaysia

Tripoli Int. Airport, YIP, Libya

Vancouver Int. Airport, YVR, Canada

Warri Osobi Airport, QRW, Nigeria

RAF Wattisham Flying Station, EGUW, UK

Zayed International Airport, AUH, Abu Dhabi





## PORTS

- Halden Harbour, Norway
- OPC Puerto Cortés, Honduras
- Port of Southampton, UK
- Port of Lirquén, Chile
- Tanger Med Port Expansion, Morocco
- Hutchison Ports, Australia
- ICTSI Manila Multipurpose Terminal, Philippines
- ICTSI Manila North Harbour Port, Philippines
- ICTSI Laguna Gateway Inland Container Terminal, Philippines
- APMT Port of Nouakchott, Mauritania
- MICTSI Toamasina Port, Madagascar
- Tema Port, Ghana
- Aqaba Port, Jordan
- APMT Apapa Port, Nigeria
- PSA Port of Singapore, Singapore
- SVTI San Vicente Port, Chile
- Exolgan Port, Argentina
- APMT Poti Port, Georgia
- APMT Izmir Port, Turkey
- Doha Port, Qatar
- AP World London Gateway Port, UK
- Sogester, Angola
- Buenos Aires, Argentina
- Gibraltar, B.O.T
- Rangoon, Burma
- Vancouver, Canada
- Port Arica, Chile
- Port Artesanaide, Chile
- Coronel Port, Chile
- Tacahuano, Chile
- Takaradi, Ghana
- Europort Rotterdam, Holland
- Bandar Abbas, Iran
- Dublin, Ireland
- Cork, Ireland
- Rossliare, Ireland
- Kingston, Jamaica
- Misurata, Libya
- Port Kelang, Malaysia
- Port Butterworth, Malaysia
- Kota Kinabalu, Malaysia
- Jahore, Malaysia
- Port Louis, Mauritius
- Beira, Mozambique
- Benin, Nigeria
- Lagos, Nigeria
- Port Qaboos, Oman
- Port Raysut, Oman
- Qasim Port, Pakistan
- Lisbon, Portugal
- Oporto, Portugal
- Madeira, Portugal
- Azores, Portugal
- Jeddah, Saudi Arabia
- Dammam, Saudi Arabia
- Mahe, Seychelles
- Durban, South Africa
- East London, South Africa
- Richards Bay, South Africa
- Port Sudan, Sudan
- Port Rashid, UAE
- Port Jebal Ali, UAE
- Dubai Dry Dock, UAE
- Fujairah, UAE
- Khor Fakkan, UAE
- Ras Al Khaimah, UAE
- Sharjah, UAE
- Port Zayed, UAE
- ABP, UK
- APT, UK
- Bristol, UK
- Dover Harbour Board, UK
- DP World, UK
- Felixstowe, UK
- Glasgow, UK
- Harwich Int. Port, UK
- Heysham, UK
- Hull, UK
- Hutchinson, UK
- Isle of Man, UK
- Killingholme, UK
- London, UK
- Liverpool, UK
- Mailaig, UK
- Peel Ports, UK
- PD Ports, UK
- Tilbury, UK
- Tyne, UK
- Yarmouth, UK
- PSA, UK
- Puerto Cabella, Venezuela
- Hodiedah, Yemen
- Terminales de la Plata, DP World, Argentina



## AREA, ROAD & HIGHWAYS

Victory Monument Roundabout, Thailand

Lyondellbasell, USA

Suffolk County Council, UK

Dover District LED Roll out, UK

Coventry PFI High Mast Maintenance & LED Replacement, UK

Newcastle Tyne bridge, UK

A38, UK

A50, UK

A723, UK

Mersey Gateway , UK

M42 Smart Motorway, UK

M6 Toll, UK

QE2 Bridge, UK

Welwyn Garden City , UK

Barton Bridge , UK

Sharjah, UAE

Clifton Suspension Bridge , UK

Bournemouth , UK

A59 Northway , UK

Kent , UK

Lambeth , UK

Middlemore Hospital, New Zealand

Democracy Monument, Thailand

A3 Kingston Upon Thames , UK

Peage de Vienne, France

Stansted Short Stay Car Park, UK

Escravos GTL, Nigeria

Valenton Fire Station, France

# ACCREDITATIONS

## HEA - (HIGHWAY ELECTRICAL ASSOCIATION)

A new organisation with a big history (60 years in 2012). Formed by the amalgamation of ASLEC - (Association of Signals, lighting and other highway Electrical Contractors) and HEMSA - the Highway Electrical Manufacturers and Suppliers Association - in 2011, it represents over 80 Members whose contracting activities range from street lighting, traffic signals and signs to highway communications and camera systems and approximately 40 Members who manufacture, assemble, supply and distribute equipment into the Highway Electrical Sector as well as overseeing and client organisations.



## NICEIC

Under licence from the Electrical Safety Council the NICEIC acts as the electrical contracting industry's independent voluntary regulatory body for electrical installation safety matters throughout the UK. It maintains and publishes registers of electrical contractors who have been assessed against scheme requirements, including the national safety standard BS 7671 and The IEE Wiring Regulations.



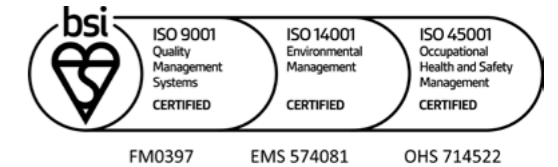
## CE MARKING

The letters 'CE' appear on many products traded on the extended Single Market in the Europe Economic Area (EEA). They signify that products sold in the EEA have been assessed to meet high safety, health, and environmental protection requirements. By affixing the CE marking to a product, a manufacturer declares that the product meets all the legal requirements for CE marking and can be sold throughout the EEA. This also applies to products made in other countries that are sold in the EEA.



## BSI 9001:2015

CU Phosco operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope: The design, manufacture and verification, installation and service of outdoor street lighting columns and brackets and furniture, incorporating the requirements of National Highways Sector Scheme 6. The installation and maintenance of highway mast lighting units and the installation and maintenance of camera mounting masts and the maintenance of cameras and associated apparatus in accordance with National Highway Sector Scheme 8.



## BSI 14001:2015

CU Phosco operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:

The design of lighting schemes and the design, testing and manufacture. Management of installation, inspection and maintenance of equipment and minor structures for lighting and other applications, including wind turbines, telecommunications and CCTV.

## CYBER ESSENTIALS

CU Phosco received Cyber Essentials accreditation in November 2017. Cyber Essentials is a government-backed cyber security standard that uses independent assessment to identify the IT security controls that an organisation needs to have in place to have confidence that they are addressing cyber security effectively and mitigating the risk from internet-borne threats.



# COMPANY HISTORY

1923

Charles Albert Marques M.B.E founded the original company



1930s

Concrete Utilities Ltd. Produces pre-stressed concrete columns



1940s

Concrete Utilities Ltd aided the war effort by producing concrete bombs for RAF practice



1950s

Phosco was established producing a wide range of lanterns and floodlights



1960s

First high masts produced, and Contracts Services Division created



# COMPANY HISTORY

