




ENGINEERING SERVICES

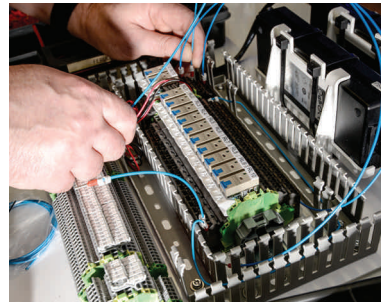
DESIGN | MANUFACTURE | DELIVERY



Engineering Service Solutions

Cable Systems Ltd offers a custom assembly service to supply bespoke Harsh & Hazardous Areas electrical equipment manufactured to your exact requirements.

From the simplest rail assembly through  ATEX and IECEx Certified Junction Boxes to bespoke Explosion Proof Control Panels and Distribution Boards, Cable Systems can engineer a solution to suit your needs. With 40 years' experience in Harsh and Hazardous Areas you can be confident that we have the skills and knowledge to satisfy your requirements and exceed your expectations.



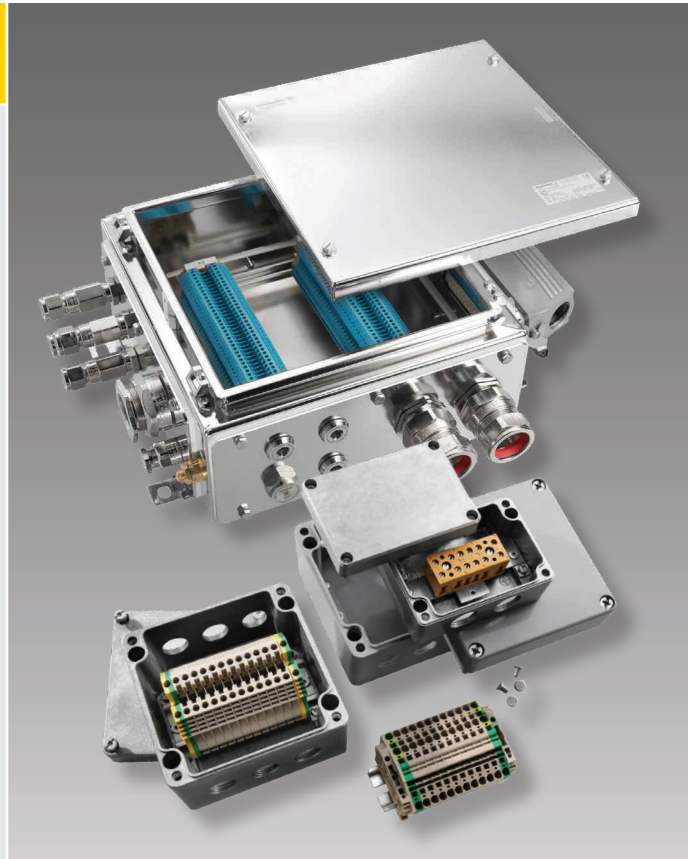
Industrial & Hazardous Area Terminal Enclosures / Junction Boxes

Cable Systems are the UK's only assemblers for market leading manufacturers Eaton Crouse-Hinds, Hawke International (Hubbell) & Weidmuller.

With 40 years' experience in the assembly & certification of Exe enclosures, we offer an unrivalled service in the supply of G.R.P, Stainless Steel, Painted Mild Steel or Aluminium terminal enclosures.

Furthermore, as a Master Distributor for these brands we carry extensive stock holding of all the items required to satisfy most requirements.

We pride ourselves on having experienced & highly trained staff and can react quickly to the demands of our customers.





Explosion proof Exd Enclosures

Cable Systems provide an in-house Assembly & Certification service for Exd Explosion Proof Enclosures.

Exd enclosures provide an explosion-proof solution to contain electrical systems, protecting the equipment inside from harmful outside elements while containing any internal explosion.

Cable Systems offer in-house assembly and certification of Bartec FEAM Exd enclosures from stock.



Bartec FEAM Exd enclosures are available in aluminium and stainless steel, giving you a choice of materials depending on the specific environment in which the equipment will operate.



Exde Distribution Panels & Boards

Cable Systems are the leading Certified Assembly Partner of Eaton Crouse-Hinds.

We provide customised solutions to suit your requirements. Our Ex control and distribution systems can be designed in moulded plastic, light alloy and stainless steel.

Optimization of the size and power dissipation of each system is made possible using innovative engineering software.

Our engineers will work closely with you and provide a tailored solution to meet your requirements. Before assembly starts we produce a technical AutoCAD drawing for customer approval ensuring the product is manufactured to the client's exact requirements.

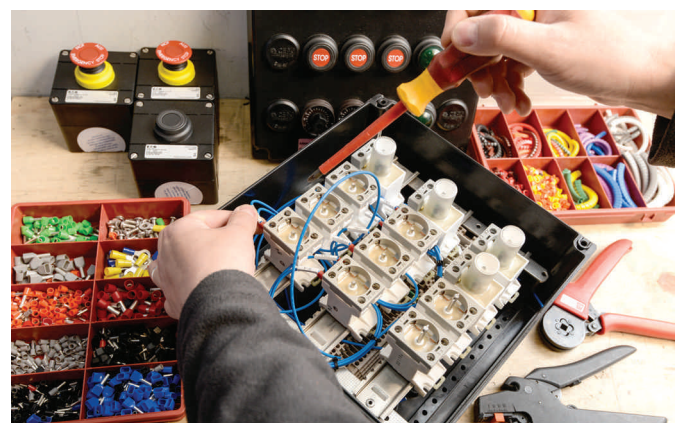


Exde Control Stations & Isolators

CEAG explosion-protected Control Units and Control Stations are available in enclosures made of thermoplastic, glass-fibre reinforced polyester, light alloy or stainless steel.

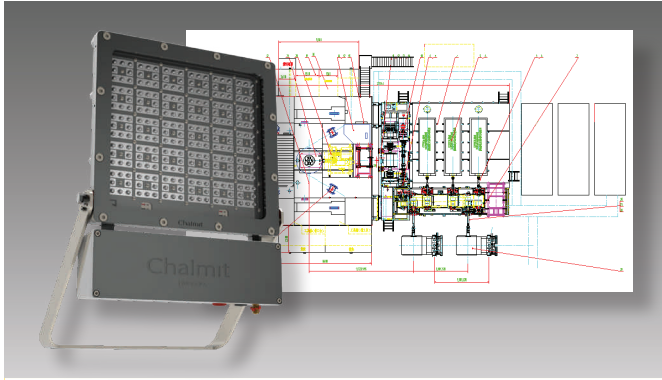
The large variety of enclosure materials is already an indication of the numerous customized configuration possibilities, which are supplemented by a large selection of built-in components.

Cable Systems hold extensive stocks of CEAG surface mounted control station components enabling us to engineer, design and supply bespoke Control Stations and Isolators to meet our customers' requirements.



“ OUR IN-HOUSE WORKSHOP AND MACHINING CAPABILITY, COMBINED WITH OUR TECHNICAL EXPERTISE ALLOWS CSL TO PRODUCE THE HIGHEST QUALITY, BESPOKE PRODUCTS. ”

LEA BRADLEY, SALES DIRECTOR



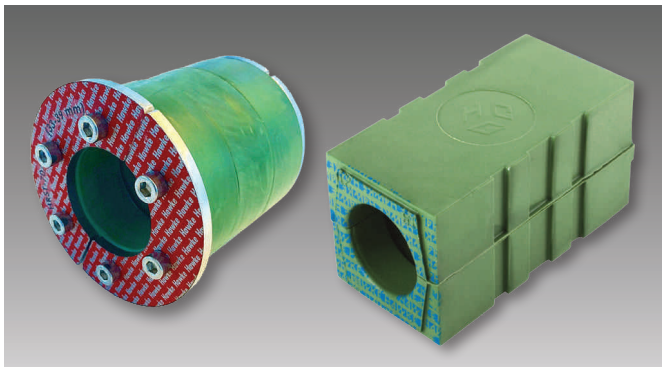
Lighting Scheme Design

Working with our key lighting partners CEAG (Eaton) & Chalmite (Hubbell), Cable Systems are able to offer a range of lighting services incorporating scheme design, product specification and procurement to meet the requirements of any new construction or refurbishment project.



Cable Gland Training

Working in partnership with Hawke, Cable Systems can offer you tailor-made Cable Gland training for both selection and practical installation at your premises or site location. Training is carried out under the supervision of Hawke & all delegates are issued with an official Certificate of Competency from Hawke upon successful completion of the training.

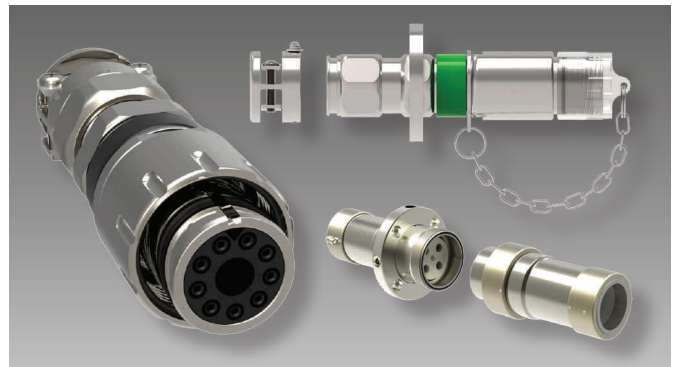


Cable Transit Design Service

Using the HDS – Hawke Design Software, Cable Systems provide an in-house cable transit design service for all your Cable Transit needs.

The software allows you to input data and automatically calculate the best combination of frames and blocks to save time and money.

Installation drawings and cable layouts make the installation easier by showing the color-coded blocks allowing you to save a lot of time and maintaining traceability of the transits.



Connector Termination Services

Cable Systems have the ability and skillset to provide plug & play connector solutions. The ControlEx / InstrumEx range of connectors, manufactured by Hawke, are assembled & tested by our fully trained time-served electricians.

In addition to the Hawke range of Connectors we can offer termination of the 'RCG' Rapid Cable Gland (Hybrid Cable Gland / Connector System). If you require connection systems for power, control, instrumentation, or fibre optics, we can deliver a cost & time saving solution for your project.



Cable Containment Products - Cable Tray, Ladder, etc

Cable Systems can provide many cable containment products as kitted or fully assembled units, making installation on the jobsite much quicker and easier.

Our services include pre-cut to length, pre-assembly or kitting, custom labelling & packaging. Our service helps to simplify installation, save time & minimize scrap.



CSL Transformer Breathers

The biggest cause of machine break down is from machines breathing in dirty, wet air.

Breathers prevent machines from taking in this air, expanding their life span, and improving their reliability.

A small investment in a CSL Transformer Breather at the start of a machine's life will save you a great deal of costly downtime later. Formally produced by Hawke International, Cable Systems took over the manufacture of HB Breather range. Wholly manufactured at our Warrington facility.



Ex-Mo Motion Sensor

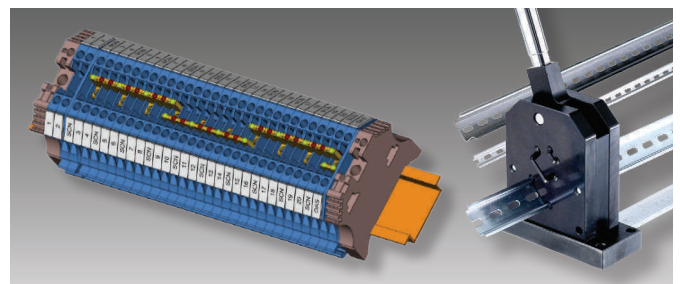
Ex-Mo is a microwave motion sensor using the "Doppler Shift" principal that has been designed and certified to operate within Hazardous Area and other Harsh environments.

Ex-Mo offers ATEX and IECEx Certification, IP66 sealing and is suitable for both Zone 1 and Zone 21 Gas and/or Dust areas.

Sensing movement by microwave, Ex-Mo will switch on equipment, e.g. Lighting, CCTV Cameras for a period of time while the area is occupied. Equipment is only switched on when movement is detected.

The Ex-Mo Motion Sensor is wholly manufactured by Cable Systems Ltd at our Warrington facility.


"HISTORICALLY, CSL HAVE BEEN AT THE CUTTING EDGE WHEN IT COMES TO PROVIDING OUR CUSTOMERS WITH SOLUTION DRIVEN PRODUCTS SPECIFICALLY FOR HAZARDOUS AREAS. JONATHAN RIGBY, MD"



Terminal Rail Assemblies / Pre-cut DIN Rail

Reduce costs & increase efficiency by using our bespoke terminal rail assembly service for all your rail assemblies or pre-cut DIN rail requirements.

Simply order one part number instead of twenty!

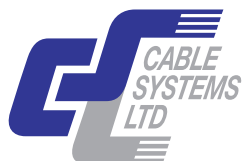


Cable Systems Limited was formed in 1982 and specialises in the supply and manufacture of harsh industrial and hazardous area electrical equipment & lighting.

Sectors we supply to include:

- Agriculture / Food and Beverage
- Aviation
- Distilleries
- Drilling
- Industrial and Manufacturing
- Life Safety
- Mining
- Marine
- Oil and Gas
- Pharmaceutical
- Power Generation
- Rail
- Renewable Energy
- Water and Wastewater

For more information on our **Engineering Services** offer contact us on **01925 852745** or visit **www.cablesystems.co.uk**



Cable Systems Limited
2-6 Gawsworth Court
Risley Road
Birchwood
Warrington
Cheshire, WA3 6NJ