



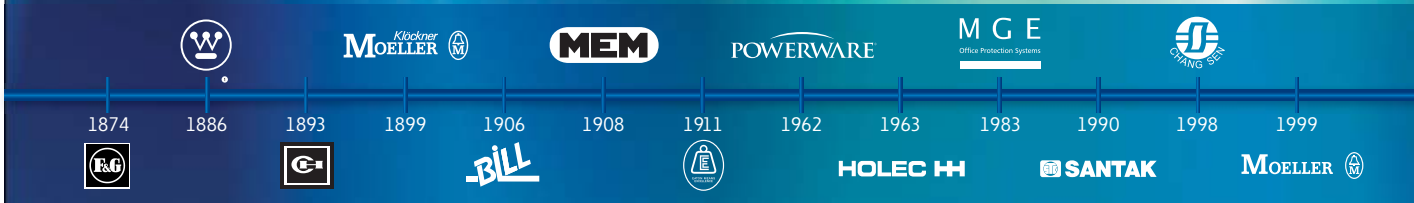
Hazardous Area Communications

Crouse-Hinds
by **FA•N**





The power of fusion.



EAT•N

Powering Business Worldwide

There's a certain energy at Eaton. It's the power of uniting some of the world's most respected names to build a brand you can trust to meet every power management need. The energy created supports our commitment to powering business worldwide.

From power distribution to power quality and control, Eaton allows you to proactively manage your complete power system by providing electrical solutions that make your applications safer, more reliable, and highly efficient. Visit www.eaton.com/electrical.

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Hazardous Area Communications



Since 1975, the Oil and Gas industry has relied on MEDC's highly respected Signalling and Alarms. Designed for potentially explosive atmospheres and harsh industrial and marine environments, MEDC offers a comprehensive range of innovative notification solutions.



HERNIS is a world leading brand for high quality, durable and low maintenance Closed Circuit Television Systems. Characterized by low installation and maintenance costs and unrivalled durability, the systems are tailor made for hazardous and corrosive environments providing safety to both people and equipment.



Gitiesse is the creator of IMCOS™, Integrated Multimedia Communication System. Each system is tailor made for your requirements. Gitiesse is a global brand in the Marine and Oil and Gas industries offering integrated solutions for internal communications and the distribution of alarms and signals.



Since 1897 engineers, end users and employees in a wide range of industries rely on the trend-setting products from FHF. Decades of experience in the fields of industrial communication and signaling backed up with the continuous drive for improvement and innovation, lead to products which are considered as class leading worldwide.

For more information please visit: www.cooperhac.com

IMCOS™

Integrated Multimedia Communication System

IMCOS™ is an integrated communication solution for the Marine and Oil and Gas Markets worldwide.

The capacity of IMCOS™ to fully integrate all internal communication needs with a customized and tailored configuration for each individual project has meant it is the system of choice for a wide range of applications in the marine and oil and gas markets.

- Public Address and General Alarm
 - PA/GA
- CCTV
 - Surveillance and multi-monitoring-system access.
- Telecommunications
 - VoIP, Digital and Analogue PABX and intercom systems.
- LAN
 - Video, Voice and Data Network.
- Entertainment
 - Radio and TV signal distribution, automatic messaging and staff information systems.
- Visual and audible signalling and alarm devices
 - Speakers, sounders and beacons for a wide range of area classifications.



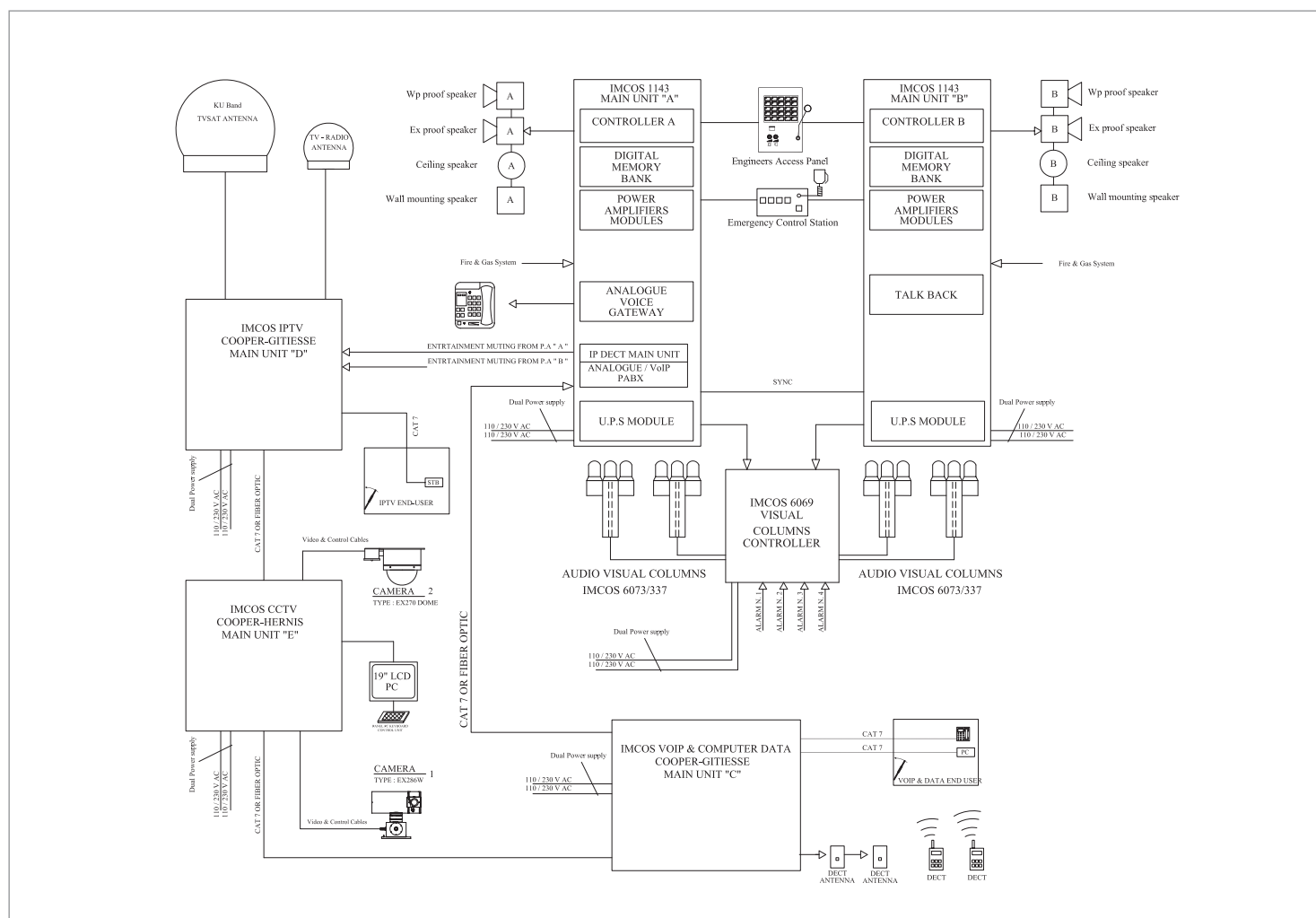
Listed here are merely the basic aspects of the IMCOS™ capabilities. Each solution is configured with a Fail-Safe philosophy and each section is governed by redundant processors, controlling and monitoring the overall system performances. Depending on the required application, IMCOS™ can be designed to include a range of products with specifications and certifications to suit your industry's needs.



One
Solution,
One
Manufacturer.

IMCOS™ customized cabinets are designed in house with an exclusive patent design, allowing easy access to the interior without having to remove any of the components. This design not only allows easy access for installation and maintenance but is also available in light alloy, offering a weight saving of up to 66%.

IMCOS™ is the only system, currently available, certified by 7 Type Approval Authorities, this demonstrates Gitiess's commitment to providing the brands you trust and the solutions you need.



Onshore

Hazardous Area Communications has pioneered the integration of CCTV with other systems including process control and fire, gas and intruder alarms, thereby providing systems suited for onshore installations within the petroleum industry. Our systems are renowned for their high quality and unrivalled durability. The latest technology allows our solutions to cover vast geographical distances and meet the appurtenant demands for reliability and maintainability.



Offshore

Individually engineered to fulfil customized applications, Gitisse can provide solutions to ensure the safety of your offshore assets. Whether it is basic CCTV systems, explosion- proof signalling and alarms or the surveillance and monitoring of drilling, pipe handling and process control, we can realize your individual requirements for the most harsh and hazardous environmental and operational conditions.



Marine

Gitisse offer solutions perfectly suited for any type of Marine Vessels. From LNG/ LPG tankers to offshore support vessels from cruise ships to Naval Vessels. Built to resist the most corrosive and explosive environments our CCTV, signalling and alarms and communications systems can be designed to suit any required specification.

Control & Connection

Terminal boxes, connection boxes and local control stations. Crouse Hinds has a complete range in 4 materials. GRP, Stainless Steel, Cast Aluminum & Cast Iron for hazardous areas.



Fire & Gas Detection Field Equipment

Eaton can provide a wide range of audio, visual and MCP / ESD pushbuttons for fire and gas detection systems for hazardous areas.



Cable glands, adaptors and reducers.

The largest range of connection equipment available from Crouse Hinds market leading brands. Cable glands, adaptors, reducers, blanking plugs & breather drains.



Digital Amplifiers

Type approved amplifiers for public address and general alarm systems



Loud Speakers

A complete range of ceiling speakers and surface mount loudspeakers for both hazardous and non hazardous applications.



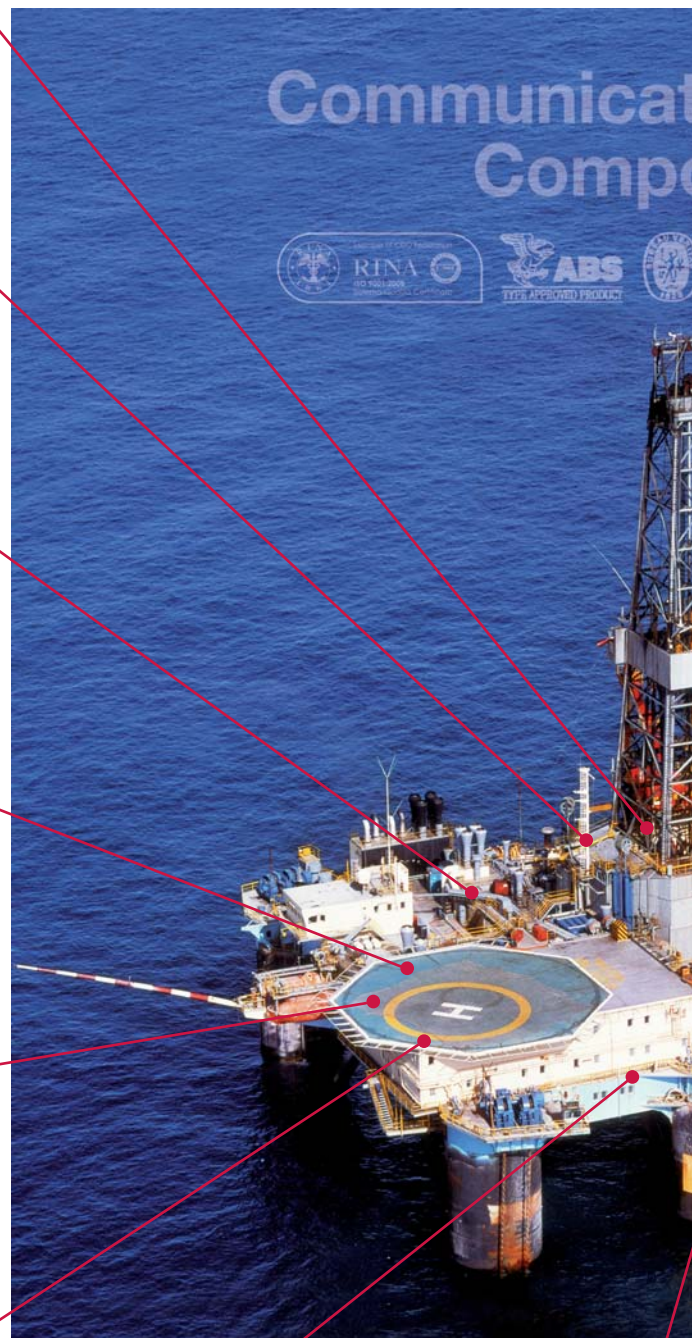
Telephones

A full range of automatic and powered telephones available in both hazardous and non hazardous models including VoIP.



CCTV Cameras and Systems

Hernis and MEDC deliver unrivaled quality and performance in CCTV systems for both hazardous and non hazardous applications.



Digital IMCOS Cabinet



Public Address and General Alarm for critical applications

Gitiessie provides systems for public address and general alarm, providing life safety announcements and general messaging facilities.



TVSAT

Satellite TV Entertainment systems.



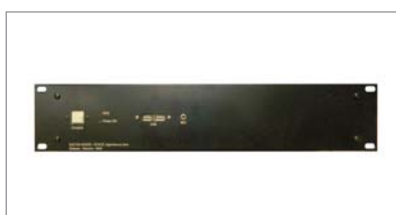
IMCOS™ Master Clocks

Microprocessor master clock with full range of slave clocks with fast forward and backward facility.



Status signal lights

Status lights in multiple permutations and materials for applications requiring multiple color warning systems.



D.M.B Digital storage memory bank

Secure and safe storage of routine and safety alarm messages.



Pauluhn Marine Lighting

Pauluhn lighting from Crouse Hinds provide the largest range of high quality marine and offshore lighting for safe and hazardous locations.



Analogue IMCOS Cabinet

The System

IMCOS™

The only system in the world that is approved by 7 different Type Approval authorities.



IMCOS™ provides the solutions you need both Onshore and Offshore.

The following applications demonstrate the ability to provide a single solution.

PA / GA

Designed, engineered and manufactured according to individual project specifications and industry regulations. The system uses the latest in digital technology and can be integrated with a wide range of Eaton products to ensure the integrity of your assets in even the most demanding of environments.

CCTV

With a wide range of Hernis & MEDC cameras and software applications providing weatherproof, explosion proof and IP cameras, both fixed and PTV solutions, designed for durability and reliability. With our solutions and experience we can fulfil your specification requirements.



Telecommunications

Whether a traditional analogue, digital, VoIP or Hybrid telephone system is what you require we can provide the solution you need. A wide range of standard, weatherproof, explosion proof and IP phones and signalling equipment guarantees the best solution.

Local Area Network

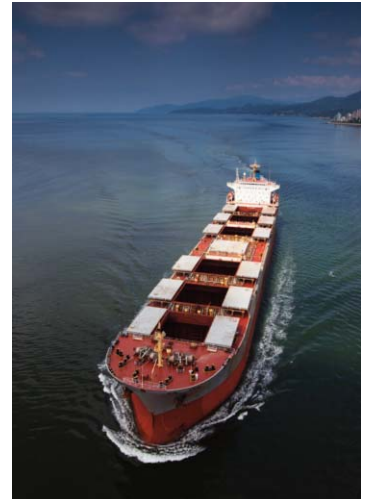
With IMCOS™ and our latest developments in technology, we are able to provide a single network which provides reduced cable architecture. Our LAN systems are able to share a highway of information and resources, interlinking video, voice and data with our VoIP telephones, IPTV streaming, CCTV, PA/GA and Intercom systems through one fibre or copper backbone.

Signalling and Alarms

MEDC has developed a wide range of products specifically designed for harsh environments where there is a risk of explosion for both onshore and offshore applications. This range of products including manual activation, visual and audible alarms, and loud-speakers can be connected via the same PA/GA system network, delivering the best combination of performance and safety.

Entertainment Packages

Simple and effective communication of safety procedures can be transmitted in both routine and emergency situations through TV screens conveniently located within our system. Within our network streaming video and audio capabilities also provide entertainment for the well-being of onsite personnel. This is yet another example of how Eaton aims to provide the best in class for communication and safety solutions.



One
Solution,
One
Manufacturer.

Engineering Services



Our specialized team is highly qualified to ensure all aspects of engineering, design and configuration within your project are fulfilled - from its initial stages of concept through to its life-time maintenance.

Acoustic Surveys

Stringent reports are undertaken by our professionally trained engineers to ensure optimal speaker coverage. Our reports ensure the best solution is selected from our range of products from the early design stage of the project.

Engineering

Fully trained engineers construct all of your solution's system design and engineering drawings, guaranteeing all applications comply to the relevant standards before during and after installation.

Project Management

Each project is uniquely managed throughout each stage of its lifecycle from engineering, documentation, factory acceptance test and commissioning. We have the ability to provide you with the necessary support you need worldwide.

Commissioning

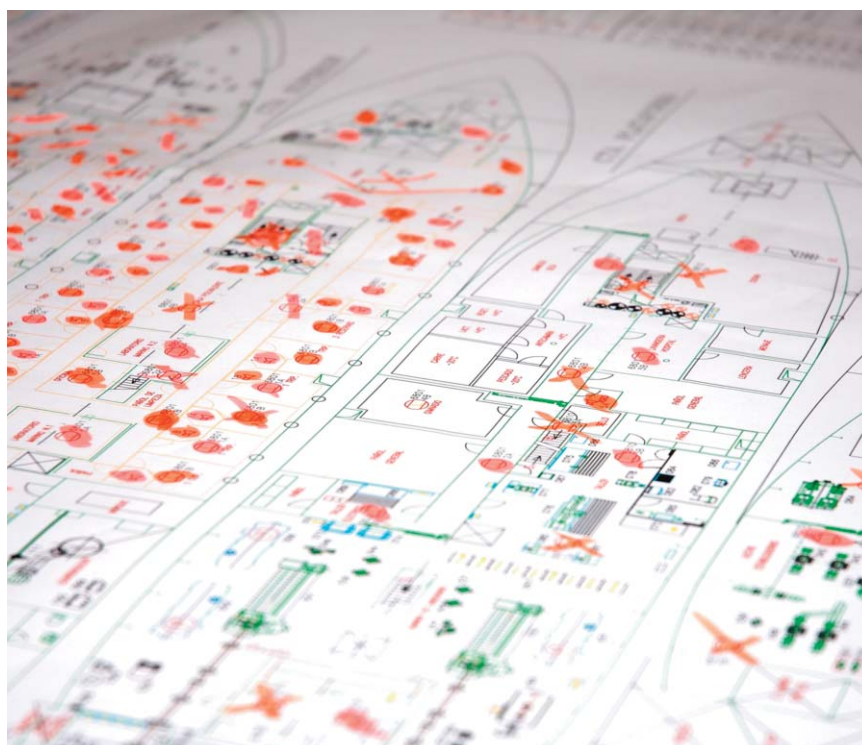
As part of our standard commissioning services we not only arrange factory site acceptance tests but once our solutions are installed, we ensure they are once again subjected to engineering tests to guarantee full, immediate functionality.

Training

In order to ensure the benefits of our solutions are fully utilized we can provide your team the necessary training for any application. We want your staff to feel competent and confident that our solutions conform to your requirements.

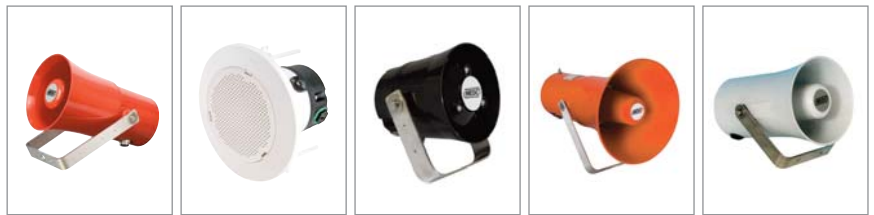
Technical Support

In the case that additional support is required after installation, our Customer Service team is available 24 hours a day for service and onsite technical support to make certain that any issue is resolved effectively and efficiently.



Loud Speakers

MEDC's range of hazardous, heavy duty, industrial and commercial speakers are designed to meet the requirements for public address, voice alarm (evacuation) and background music.



Visual Alarms

MEDC offer a range of beacons and combination units including flashing, steady-state indicators and rotating units. These may be used to warn of potential hazards or indicate the status of plant items, gas and oil leaks, evacuation alerts and many more.



Call Points

Manual alarm call points are designed for the purpose of raising an alarm manually once verification of a fire or emergency condition exists, by operating the push button or break glass the alarm signal can be raised.



Camera Stations

HERNIS leads the way in developing advanced camera-based surveillance systems for marine and oil & gas installations worldwide. Our solutions contribute to increased efficiency and provide safety for people and equipment in hazardous areas and under extreme conditions.



Telephones

Gitieesse and Funke & Huster Fernsig supply a full range of automatic and sound powered telephones suitable for any kind of application: digital with loudspeaker, analogue standard, water proof, EEx proof. Extra audio and optical devices are also available as an option.



Control and Distribution

At MEDC we offer standard and bespoke control and distribution units for harsh and hazardous areas.

As a leading manufacturer of hazardous area and explosion proof equipment, MEDC can provide hazardous and safe area control units in a range of dimensions to suit your required specification.



Cable Glands

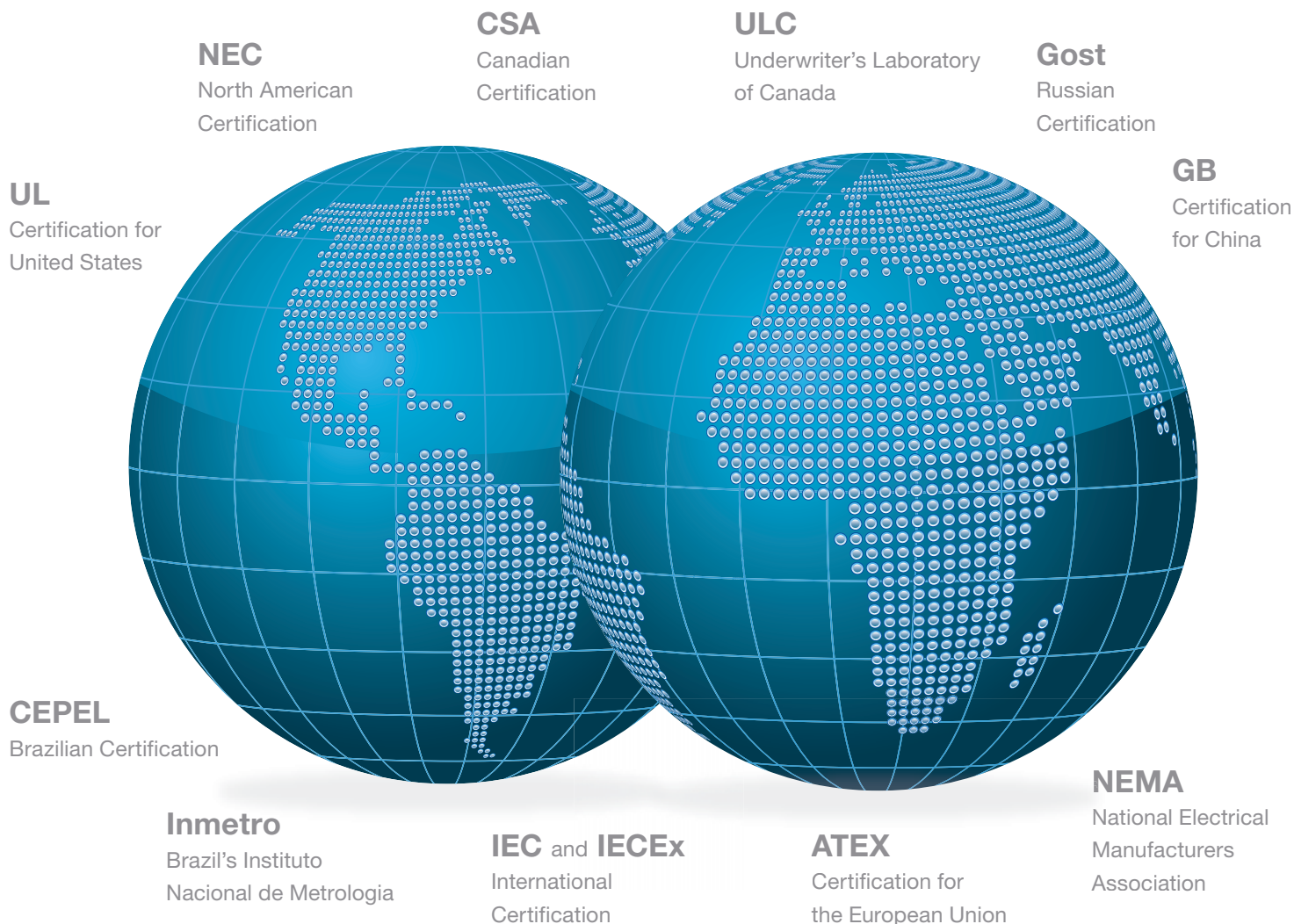
Complete termination solutions for cable applications which meet international standards. Their ease of cable termination provides labour and time management productivity. Capri's explosion-protected connections contribute to safe operation in harsh and hazardous environments.



Lighting Fixtures

Crouse-Hinds offers an extensive range of products and solutions designed specifically to withstand the rigors and hazards of the marine industry and the great oceans of the world.





Global Certifications and Type Approvals



Crouse Hind's Hazardous Area Communications offers customers the most competitive, compliant product and service portfolios as a single stop for end-to-end electrical solutions for hazardous area communication.

Wherever you are drilling, pumping or refining, we know the codes and standards. Our products are built to meet and exceed certifications applicable to locations around the world to ensure the safety of your employees and equipment. The knowledge and expertise we leverage every day to help your operation run smoother and safer lies not in one mind, but in thousands of Eaton employees. We continuously collaborate with customers to ensure that you have the services and support needed to reach optimal performance.



Thousands of Products, Hundreds of Solutions.

MEDC Limited
Colliery Road
Pinxton, Nottingham
NG16 6JF

T: +44 (0) 1773 864 100
F: +44 (0) 1773 582 800
www.cooperhac.com

Gitiesse Srl.
Via Al Ponte Polcevera 8/14
16161 Genova
Italia

T: +39 010 7416 801
F: +39 010 740 21 31
www.cooperhac.com

Hernis Limited
P.O. Box 791 Stoa
NO-4809 Arendal
Norway

T: +47 37 06 37 00
F: +47 37 06 37 06
www.cooperhac.com

Hazardous Area Com-
munications
Rua do Mercado,
17 – 9º. andar
Rio de Janeiro,
RJ, 20010-120
Brazil

T: +55 21 7956 4433

Hazardous Area
Communications
3413 North Sam Houston
Parkway West
Houston, TX 77086, USA

T: +1 (713) 937 9772
F: +1 (713) 937 9773

Hazardous Area
Communications
13F. Vision Tower
707-2 Yeoksam-dong,
Gangnam-gu,
Seoul 135-080
Korea

T: +82 (2) 539 2203
F: +82 (10) 6569 09888

Hazardous Area
Communications
No.2 Serangoon
North Avenue 5
#06-01. Fu Yu Building
Singapore 554911

T: (65) 8499 7087

Hazardous Area
Communications
Cooper Industries
Middle East LLC -
Dammam K.S.A
PLANT AT 2ND
Industrial City Dammam,
111, Jubail Street,
PO BOX: 70160,
Al Khobar, Pin:31952.
Kingdom of Saudi Arabia

T: +966 3 812 2970

Eaton Crouse Hinds
Wolf & Seventh North Streets
Syracuse
NY
13221
USA

Tel: +1 (866) 764-5454
Fax: +1 (315) 477-5179

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Eaton Centre
1000 Eaton Boulevard
Cleveland,
Ohio, 44122, USA

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