

# Hazardous Area Communications

MEDC Oxalis IMCOS™ Sonix™ HERNIST™ Yuhua FHF



*Powering Business Worldwide*





# Hazardous Area Communications

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Eaton's Crouse-Hinds series hazardous area communications solutions are a comprehensive product suite for potentially explosive atmospheres, bringing together specialised products and systems solutions with trusted names such as MEDC, FHF, HERNIS™, Gitiessie and Oxalis. These products for harsh and hazardous environments bring together a range of world class specialist products and solutions for both safety and security in the fire & gas, telecommunications, PAGA and CCTV markets.

The oil and gas industry relies on Eaton's highly respected MEDC range of signaling, alarms and loudspeakers. Designed for potentially explosive atmospheres, harsh industrial and marine environments, Eaton offers a comprehensive range of innovative notification solutions.

The Oxalis CCTV camera stations are specifically designed for use in the demanding oil & gas and other extreme environments and use leading edge technology such as full High Definition (HD) over IP technology.

IMCOS™, Integrated Multimedia Communication System is tailor-made for your requirements. IMCOS™ is a world-class brand in the marine, offshore, and oil and gas industries offering integrated solutions for internal communications and the distribution of alarms and signals.

HERNIS™ is a world leading product range for high quality, durable and low maintenance Closed Circuit Television Systems (CCTV) for the oil and gas and marine industries. Designed for the extreme, our systems perform safely and reliably, increasing efficiency and providing safety to both people and equipment.

Eaton offers a range of products and systems including the high integrity, fully monitored and highly efficient Sonix™ Public Address General Alarm (PAGA) system which in conjunction with the MEDC range of loudspeakers, flashing beacon and FHF telephones provides the most efficient and effective PAGA solution available.

Engineers, end users and employees in a wide range of industries rely on the innovative FHF range. 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 best in class.





### Public Alarm & General Systems (PAGA)

Designed to enhance modern communication philosophies, the Sonix™ PA/GA system includes a highly sophisticated yet simplified architecture that removes the need for lengthy engineering cycles, bespoke and costly software, custom field engineering or expensive onsite support. We are able to offer fully compliant communications solutions to meet the most demanding applications for onshore, offshore and industrial installations.



### Closed Circuit Television Stations (CCTV)

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



### Loudspeakers

The MEDC and FHF'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.



### Status lights & audible and visual combination units

For use in situations where both audible and visual awareness is required together to alert operators of a potential hazard. Customised solutions from MEDC and FHF can be designed and manufactured using our sounders and beacons to suit the specific needs of the customer.



### 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.



### Audible alarms

MEDC and FHF's range of audible alarms are suitable for a wide array of applications, feature a variety of tone settings, and are designed to raise the alarm in dangerous situations. Traditional bells are also available.



### Telephones

Gitiessie and FHF's full range of automatic and sound powered telephones suitable for any kind of application: IP and analogue, weatherproof proof and explosion protected. Supplementary audio and optical devices are also available as an option.



### Visual alarms

The MEDC and FHF range offers 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 conditions, fire and gas alarms, evacuation alerts and many more.



### Control and distribution

The MEDC range offers standard and bespoke control and distribution units for harsh and hazardous environments. As a leading manufacturer of explosion proof equipment, MEDC can provide hazardous and safe area control units in a range of dimensions to suit your required specification.



# Solutions for harsh and hazardous environments

## Public Address/General Alarm - PA/GA

Designed, engineered and manufactured according to individual project specifications and industry regulations. The Sonix™ 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.

## Closed Circuit Television (CCTV) systems & camera stations

Cutting edge technology from our market leading brands of HERNIST™, Oxalis and Yuhua.

With the widest range of camera stations and system solutions from a single manufacturer, we have the products and experience to meet today's demanding surveillance and security needs.

With products available that are explosion protected or weatherproof, analogue or IP, fixed, dome or PTZ, our experience and proven reliability can meet your specification requirements.

## Signalling and alarms

Our MEDC and FHF product lines offer 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 loudspeakers, can be connected to IMCOS™ or Sonix™ delivering the best combination of performance and safety.

## IMCOS™

The system has a comprehensive range of different type approvals depending on the system design, architecture or application.



IMCOS™ provides bespoke customised engineered solutions to meet the demanding needs of energy, marine and naval projects.

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

## IPTV infotainment packages

IMCOS™ Infotainment system is a full digital, multipurpose information and entertainment system designed to provide digital content in offshore and marine applications such as supply vessels, crew accommodation and drilling platforms, where space and structural integrity are at a premium.

A key benefit from an IPTV solution is that it can operate over an existing IP network to deliver high-quality TV and video throughout a facility or vessel.

Integration with IMCOS™ Public Address and General Alarm and CCTV systems allows for seamless control of content delivery, muting, interrupting or steering the AV flows. Individual receivers can be addressed to provide full flexibility to the integrated IMCOS™ solution.

## Telecommunications

Whether a traditional analogue, digital, VoIP or Hybrid telephone system is what you require, we can provide the solution you need with our IMCOS™ PABX system.

Together with a wide range of telephones from FHF we can provide standard, weatherproof, explosion protected and IP phones.

## 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.



# Engineering services

Our specialised 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 lifetime maintenance



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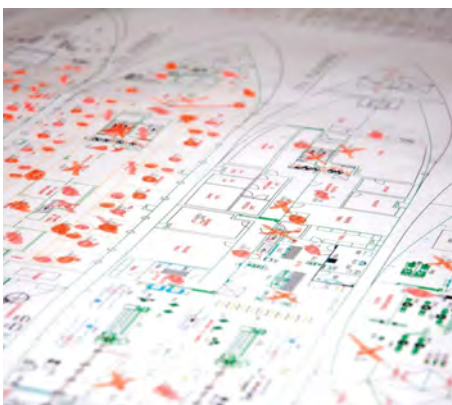
## Acoustic surveys

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

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## 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.



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## 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

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## 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



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## Training

In order to ensure the benefits of our solutions are fully utilised 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

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## 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



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# The safety you rely on.

See the complete offering at [www.crouse-hinds.com/hac](http://www.crouse-hinds.com/hac)

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