

30,000 TONS OF CRUDE OIL A DAY.
365 DAYS A YEAR.
ZERO COMPROMISE.



INDUSTRIAL INTERCOM | Made for extreme conditions.



SECURITY AND COMMUNICATION

Industrial Intercom by Commend.

Solutions for the petrochemical industry.



Where people are working in protective suits, hard hats and ear protection are part of their working gear, safe industrial communication is indispensable and must be able to withstand the toughest of conditions. Commend Intercom terminals are built to work reliably in any environment.

Withstanding extreme conditions

Regardless of moisture, dirt, high temperatures or extreme ambient noise, INDUSTRIAL INTERCOM with its large selection of Intercom devices makes sure the message gets through even in the toughest of environments.

Certified explosion protection

Hard-wearing, EX-protected INDUSTRIAL INTERCOM stations are designed for ultimate ease of use and reliability even in areas with Zone I/Group IIC/T6 atmospheres.

Loud and clear

With fully integrated Intercom video support and unique 16 kHz audio quality, INDUSTRIAL INTERCOM guarantees clearly understandable speech in any situation.

Universal use

Oil rigs, pipelines, oil refineries, petrochemical facilities, high up in the crane driver's cab, on the forklift or next to production-hall machinery – INDUSTRIAL INTERCOM has been developed specifically to meet the needs of these kinds of environments. Optimised networking of industrial facilities ensures continuous communication channels throughout the premises.

Reliability

INDUSTRIAL INTERCOM stands for ultimate operational reliability, based on intelligent redundancy technologies and latest-generation Intercom Servers.

As a result, they deliver crystal clear speech quality that stands out even against deafening ambient noise, whether near loud machinery or in places from loading bays to bustling canteens.

Communication hub

The central and local control rooms, together with the individual call stations located throughout the premises, form the backbone of the communication system. With perfect connections like these, you will never get your wires crossed. Every order, every question and answer arrives with crystal clarity when and where it is supposed to be.

Efficiency

Special functions co-ordinate the connections between individual areas of the facility. Not only does this make it much easier to work effectively, it also helps to reduce production downtimes.

Always prepared for emergencies

Under crisis conditions, the control room functions as an overall control centre. Co-ordinating emergency teams internally and externally via INDUSTRIAL INTERCOM ensures smooth emergency procedures and a high level of security.

Door/shutter control and video management

Thanks to integrated call stations with automated CCTV at doors and shutters, the Facility Manager always knows who wants to enter the premises. Guests can easily be directed to the correct entrance, and unwanted visitors are reliably kept out.

A safe investment

Times change, and so do demands and requirements. INDUSTRIAL INTERCOM grows with them. Existing systems with all their features and functions integrate easily and smoothly with system extensions. That's how Commend protects your investments.



Intercom 2.0 helps you master any Intercom challenge.

No matter what size of your firm is, no matter what you manufacture or how many staff you have. Commend's new INDUSTRIAL INTERCOM concept offers a tailored solution for any industrial Intercom need – with long-standing experience, a large portfolio of satisfied customers, a comprehensive product range and latest Intercom 2.0 technology. Regardless of the scope of your individual solution, everything can be intelligently networked using analogue, digital, IP or wireless connections.



01 | Industrial Intercom Terminals with Conference Call Functionality

Industrial call stations featuring DSP technology with high-level sound support for optimum speech communication in industrial environments; Supports pre-configurable Intercom conference calls from machines (via party lines); Instantly available, uncomplicated communication functions cover the entire manufacturing process; Extremely robust housing in highly visible orange colour; Keys operable with gloved fingers, complete with two-colour status LEDs; All keys freely programmable; Optical and acoustic call announcement; Continuous function monitoring



02 | Intercom Terminals for EX Environments

Explosion-proof call stations for Zone I/Group IIC/T6 atmospheres; High-level sound capacity; Weatherproof housing in highly visible orange colour; Large, well-arranged key panels; Modular design for easy maintenance; Volume adjustable via keypad



03 | Emergency Call and Communication Terminals

Vandal-resistant Intercom terminals with camera and monitor; Analogue, digital, and IP connectivity; Integrated CCTV (optional); Automated voice announcements (e.g. reassurance messages); Loudspeaker/microphone monitoring; High-volume voice announcements via control station; Audio monitoring; Warning light control



04 | Industrial Public Address System

Built-in industrial PA via Intercom amplifier; Intercom interface to industrial PA systems for announcements and alerts;



05 | Wireless Connectivity and Integration of RF Systems

Support of wireless links for Intercom terminals; up to four terminals per base station; Range: up to 50m in buildings or 300m outdoors (line-of-sight); GSM networking for longer distances; Stand-alone capability via solar power; Supports wireless systems from analogue to DECT and TETRA; Special wireless solutions for cranes, fork-lifts and private mobile radio; Wireless subscribers reachable from any Intercom terminal



06 | Secure Communication for Buildings and Open Spaces

RFID-based access control; Door call station/Door opener/Permission management; Airlock control; Automatic info text display when making a call; Door status display; Automatic video display; Central door control; Call forwarding to telephones; Loudspeaker/microphone monitoring; In-house, factory and office communication; Conference calls; Silent alarm



07 | Centralised Operator Workstation

Control station for speech, images and data; Call diversion and forwarding; Graphic support (PC Control Station); Intercom Client (PC Intercom Terminal); Audio monitoring; Reporting, scheduling, call statistics; Voice recording



08 | Integration of Sub-Systems

OPC integration; Loudspeaker/alarm system; Video control system; Lift emergency calls; VoIP systems (SIP, IAX); Custom integration of third-party systems (e.g. EIB bus)



09 | Intercom Infrastructures

Scaleable Intercom Servers; System monitoring; Analogue/digital/IP (or any combination); Flexible wire-based networking (wire-IP-OWG); Wireless networking (WLAN); Server for wall-mounting or installation in 19" rack

Commend

A Strong Network | Worldwide

When every second counts, people need a technology that does not just work, but is one hundred per cent reliable – anywhere, anytime around the clock. At Commend, we are aware of our responsibility. That is because millions of

people put their trust in us and our products every day. Whether at a London tube station, a car park in France or a hospital in the United States; because every word counts, everything speaks in favour of solutions by Commend.

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