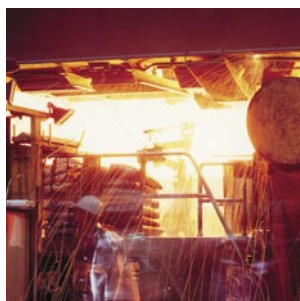




*contact
the future*

ISO 9001



Systematic Communication

- Metals Industry
- Chemical Industry
- Oil & Gas Industry
- Petrochemical Industry
- Mining
- Airports
- Refineries
- Power Plants
- Paper Industry
- Cement Industry
- Water and Waste Management

ONE STEP FORWARD



Contents

Company Profile	3
System Overview	4
Range of Functions	5
Steel Industry	6
(Petro)Chemical Industry	7
On-/Offshore Production	8
Engineering	9
Services	10
Global Network	11

Company Profile

INDUSTRONIC® has enjoyed a reputation for innovation, quality, and service for over 40 years.

The high-tech, mid-sized supplier of industrial communication systems from Wertheim, Germany is an international market leader and supports its customers with a global network of more than 50 certified partners and representatives, as well as a subsidiary in China.

INDUSTRONIC® offers customized complete solutions that can meet even the most demanding challenges and the most diverse international requirements. With years of experience and constant innovation, **INDUSTRONIC®** continues to set new standards in the industrial sector.

Our commitment to quality, safety and continual process optimization is one of the reasons why the company was one of the first to be certified according to the DIN EN ISO 9001 standard.

Our highly qualified staff is committed to developing and implementing the optimal solution for your communication needs. You can rely on INDUSTRONIC®.



System Overview

The fully digital system by **INDUSTRONIC®** uses clear, process-oriented communication to increase safety and efficiency – and your company’s success.

The system is open, modular and multi-functional. Besides primary applications as an intercom, PA, warning and alarm system, it can also handle digital data and signal control transmission. It can create and manage linked systems by using existing networks. Additional interfaces and integration options with video, telephone, and radio systems are also available.

The **INDUSTRONIC®** communication system can adapt to any environment: heat and dirt in the steel industry, tough weather conditions on oil rigs, safety zones in chemical plants, or plant control rooms and offices. **INDUSTRONIC®** provides the perfect concept and suitable equipment for every specification, from explosion-proof to modern and functional.

The INDUSTRONIC® system can satisfy all communication and safety requirements from large-scale industries to mid-sized enterprises.



Features

- Intercom
- Public address (PA)
- Alarm
- Central control
- Easy integration
- Migration capability
- High availability
- Robust construction
- Continual self-monitoring
- Reliable, clear connections
- Future-oriented

Benefits

- Integrated solutions from one source
- One system – many functions
- Increased efficiency with process optimization
- Maximum protection for people/equipment
- Protects your investment for the future



Range of Functions

Thanks to its many individually configurable functions, the **INDUSTRONIC®** system achieves especially high efficiency and flexibility:

Communication

- Intercom operation
- Instant connection via preprogrammed keys, mouse-click, or touch screen
- Free choice of destination using keyboard
- Switchboard function
- Conference function
- Talk request
- Call storage
- One-way intercom with hands-free operation
- Assignment of priorities
- Non-blocked communication
- Visual call and busy signals
- Acoustic call and busy signals
- Call signal with flashing light

Public Address

- Single calls
- Group calls (predefined or dynamic)
- Collective call
- Paging
- Broadcast of texts and tones
- Digital audio memory
- Different priority levels
- Parallel operations

Warning and Alarm

- Digital audio memory
- Pre-recorded standard tones and texts
- Freely recordable texts and tones
- Manual or automatic trigger
- Integrated warning sequence control
- Visual signals
- Remote trigger/remote control
- Different priority levels
- Parallel warning sequences

Interface Management

- Telephone systems
- Radio systems
- Control systems
- Fire alarm systems
- Warning and alarm systems
- Video systems
- Networks
- Control and sensor signal transducers
- Access control systems
- Entertainment systems
- Recording systems
- Visualization systems
- Analogue/digital intercom systems

Safety & Reliability

- Permanent self-monitoring of all components
- Error and malfunction detection
- Automatic error & malfunction messages
- Status display
- Logging
- Redundant system structure
- Emergency power supply

Software

- All functions fully programmable
- Easily modified
- Prompt error diagnostics with display
- Remote maintenance
- Internet connection
- Voice over IP (VoIP)
- Programming by customer facility



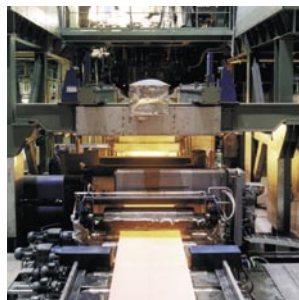
Steel Industry

Whether at a blast furnace, on a crane, at a rolling mill, or in a control room, clear, direct, and reliable communication in and between different plant areas is a crucial factor for effective and economical operation in industrial production.

The special conditions of the steel industry – noise, dirt, and extreme temperatures – require reliable and high quality equipment. Extra loudspeakers and flashing lights on robust call stations improve the effectiveness of communication systems in loud environments. Cranes and other mobile transport systems can be integrated into process communication with voice radio.

Communication systems that can be integrated into monitoring and control systems guarantee target-oriented process control and fast information exchange in the control room. Linking control rooms from different plant areas ensures prompt, targeted responses to any situation.

INDUSTRONIC® systems provide reliable, fast process communication essential for the safety and smooth operation of your plant.



(Petro)Chemical Industry

The particular conditions of the (petro)chemical industry demand the highest standards in safety. Reliable voice communication, announcements and warnings that can be clearly understood throughout the plant are crucial for protecting people, equipment, and the environment in potentially explosive areas.

Ensuring the absolute reliability of communication and warning systems, even in the most aggressive environments, is a top priority at **INDUSTRONIC®**.

We have years of experience in developing innovative explosion-proof equipment in compliance with international certification standards. Our PA, alarm and warning systems guarantee the highest availability and reliability. **INDUSTRONIC®** industrial warning systems have also proven their worth for years worldwide when used as general company alarm system or sound system for emergency purposes in compliance with DIN EN/VDE.

A large number of interfaces provide the option of connecting to systems for central process management, fire and gas detection, video, telephone and IT networks, and other infrastructures. The increasing demand for centralization can be met easily by linking systems in a single network. The modular and flexible structure of the **INDUSTRONIC®** system facilitates simple and fast modification to meet specific plant requirements and future changes at any time. The system's ability to link existing call stations, PA and centralised control systems, even external products, guarantees high migration capability.

Safety and highly reliable communication have top priority at INDUSTRONIC®.



On-/Offshore

INDUSTRONIC® is the source for integrated communication and safety system solutions for extreme environments prevailing on drilling rigs, on- and offshore production sites, FPSO vessels, and oil tankers.

The **INDUSTRONIC®** product range includes standard intercom systems (e.g. Driller's Intercom), as well as complex integrated PA and general alarm and warning systems (PA/GA systems). Explosion- and weather-proof devices ensure reliable communication and broadcasting in all areas. Permanent system monitoring, and the redundant design of components with up to 100% system redundancy guarantee high availability.

Our systems not only provide connection to alarm and emergency shutdown systems, but can also be easily integrated with radio, telephone and entertainment systems. Compliance with international standards, specifications, and requirements means that **INDUSTRONIC®** systems can be installed globally.

INDUSTRONIC® solutions offer the highest safety for people and equipment.





Engineering

INDUSTRONIC® has served global engineering companies with expertise in industrial communication for decades.

Closely collaborating with its partner engineering companies, **INDUSTRONIC®** provides dependable and timely support. We put our experience in different country requirements, different climates, and different system dimensions to work for you.

We take care of project management from requirements analysis through system specification, planning, documentation and delivery to startup and training, leaving our partner engineering companies more resources to concentrate on their business. System integration, including the procurement of third-party systems, and technical assistance on site are also part of the **INDUSTRONIC®** standard support portfolio.

INDUSTRONIC® experience in engineering powered by innovation and creativity continues to generate new potential.





Services

INDUSTRONIC® is the service provider for industry safety and communication systems. Our highly-skilled staff offers our partners customized solutions, from requirements analysis and consultation to startup and maintenance.

System planning and installation, and 24/7 on-site service are all part of our service portfolio. The **INDUSTRONIC®** technical support center team provides user support for the complete lifespan of the communication system.

Financing plans and future-oriented options like 'function leasing' guarantee our customers long-term planning and cost reliability, and free up operating capital.

Individual training for service staff, users, and planners as well as industry-specific workshops are held at **INDUSTRONIC®** training centres or on site worldwide. Experienced trainers with substantial practical experience ensure maximum success and knowledge transfer.

INDUSTRONIC'S reliable project management and comprehensive service portfolio are the basis of a long-term and successful partnership.



Global Network

INDUSTRONIC® customers benefit from a global network of certified partners, representatives, and subsidiaries. Thousands of users worldwide enjoy competent consultation, installation and support from our comprehensive services and network.

INDUSTRONIC® expertise: available anytime, anywhere.



- | | |
|----------------|----------------------|
| Algeria | Lithuania |
| Australia | Luxembourg |
| Austria | Malaysia |
| Belarus | Mexico |
| Belgium | Nigeria |
| Brazil | Oman |
| Brunei | Peru |
| Canada | Poland |
| China | Portugal |
| Cyprus | Qatar |
| Czech Republic | Russia |
| Egypt | Saudi Arabia |
| Estonia | Singapore |
| France | Slovakia |
| Germany | Spain |
| Great Britain | Syria |
| Hungary | Taiwan |
| India | Thailand |
| Indonesia | The Netherlands |
| Iran | Turkey |
| Italy | Ukraine |
| Kazakhstan | United Arab Emirates |
| Korea | USA |
| Kuwait | Uzbekistan |
| Latvia | Venezuela |



*contact
the future*

ISO 9001

A few of our reference partners:

Steel, Metals:

ThyssenKrupp Stahl
Mittal Steel
Arcelor Group
Saudi Iron & Steel
Baoshan Iron & Steel Group
SIDOR
ALCOA
Norilsk Nickel
Gerdau Steel



(Petro)Chemical Industry:

Bayer
BASF
IOCL - Indian Oil Corp. Ltd.
NIOC - National Iranian Oil Co.
Saudi Aramco
Repsol
Sanofi-Aventis
Petrobras
Gazprom

INDUSTRONIC®

Industrie-Electronic
GmbH & Co. KG
Carl-Jacob-Kolb-Weg 1
97877 Wertheim/ Germany

Tel.: +49 (0)9342/ 871-0
Fax: +49 (0)9342/ 871-517

info@industronic.com
www.industronic.com

On-/Offshore:

KCA Deutag
BP
CNOOC - China National Offshore Oil Corp.
Royal Dutch/Shell
Transocean
Atwood Oceanics
Woodside
ExxonMobil

Technical Support Center (TSC)

Tel.: +49 (0)9342/ 871-287
Fax: +49 (0)9342/ 871-565
tsc@industronic.com

Engineering:

Siemens
ABB
Uhde
Technip
Foster Wheeler
Aker Kvaerner
Daelim
Fluor Daniel
Toyo Engineering
JGC

ONE STEP FORWARD