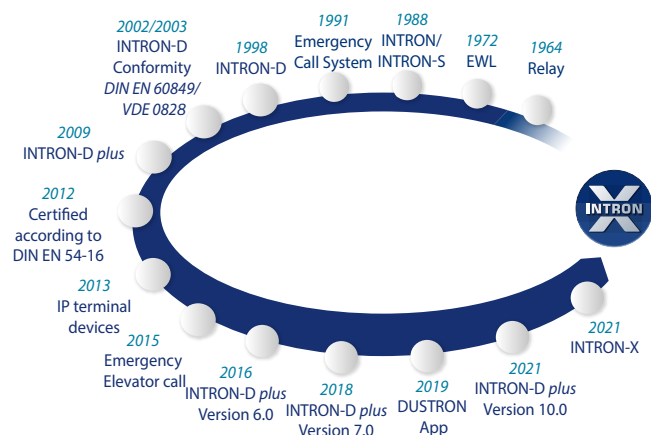




UPGRADE TO INTRON-X

Our latest system generation INTRON-X marks the next milestone in our more than 60-year history of industrial public address and intercom systems.



An upgrade offers the benefits of a modern, secure, and highly available IP platform while allowing you to continue using your existing field devices and cabling.

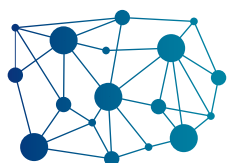
STEP-BY-STEP FUTURE-PROOF AND SUSTAINABLE

The backward and forward compatibility of INTRON-X and its predecessor system, INTRON-D *plus*, enables a cost-effective, gradual modernization of your system. We invest specifically in software maintenance for the older generation to ensure a smooth transition phase. Since software support and the performance of older hardware naturally have their limits, a timely upgrade to the future-proof INTRON-X platform is recommended.





With our guaranteed long product life cycles, long-term spare parts availability ensured through continuous product maintenance and the consistent backward compatibility of our successor products, our in-house development ensures that your system is an investment that pays off in the long run and can be reliably operated for decades. We also place great emphasis on energy efficiency in the continuous advancement of our systems and devices to meet the ever-increasing sustainability requirements.



What has always distinguished our systems is their unparalleled scalability. Whether small systems or extensive installations with

hundreds of control cabinets – INTRON-X adapts flexibly to your plant infrastructure. Thanks to its versatile networking capabilities, you are optimally prepared for future expansions.

MODULAR, SPACE-SAVING, SECURE

The heart of the INTRON-X system is formed by a range of IP modules, including the main controller, digital device gateways, analog audio gateways, I/O modules, beacon controllers, and internal power supplies - all working in sync with highly efficient Class-D IP amplifiers. The compact 19" design with plug-in modules saves valuable installation space.



Suitable terminal blocks and connection cables replace complex single-wire cabling and simplify installation. The absence of bus systems allows for decentralized architectures, where field-level module and amplifier installations significantly reduce cabling costs. At the same time, advanced redundancy concepts ensure maximum system availability.

MODERN PANELS - STATIONARY OR MOBILE

Together with the renewed portfolio of IP-based control panels, INTRON-X offers intuitive and flexibly configurable solutions for operators. Industry-grade components guarantee a long service life even under demanding environmental conditions. The consistently redundant network interfaces ensure the continuity of our fail-safe system solutions right down to the terminal devices.



Our DUSTRON app for Android and iOS makes mobile applications easier than ever. Smartphones and tablets integrate seamlessly into the system, opening new possibilities for remote operation, monitoring, and maintenance of our systems.



EXTENSIVE SYSTEM INTERFACES

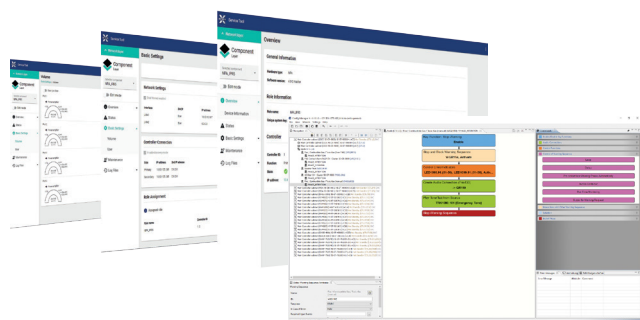
The regular need to connect to third-party systems is enabled by a variety of integrated IP interfaces, all onboard without additional hardware requirements. Existing legacy systems or fire alarm systems can also be easily integrated using modular, expandable audio and I/O modules.



A POWERFUL SOFTWARE DUO FOR YOUR SYSTEM

To simplify the daily work of planners, commissioning engineers, and maintenance staff, two practical software solutions are available: Config Manager X (XCM) and the INTRON-X Service Tool (XST).

Config Manager X provides an intuitive environment for complete system configuration – from creating individual user interfaces to defining complex alarm sequences. Integrated plausibility checks support users in creating a consistent system configuration.



Since everything is managed in a central environment, error-prone and time-consuming individual device configurations are eliminated. The system also ensures the automatic distribution of configurations across the entire system network. With the INTRON-X Service Tool (XST), all INDUSTRONIC devices can be conveniently set up and maintained. It offers extensive functions for monitoring system status and efficient troubleshooting.

CYBER SECURITY FOR CRITICAL SYSTEMS

Since our systems are frequently used in critical infrastructures, INTRON-X has been developed with a special focus on IT/OT security. We continuously work to optimize the security of our systems. Regular software updates and security patches minimize risks, keep the system up to date, and help contain threat scenarios as effectively as possible. We align with applicable standards and legal requirements to ensure our solutions are secure and future-proof.



WE ENSURE A SMOOTH UPGRADE

We support you every step of the way to ensure a seamless upgrade to INTRON-X:



We analyze your existing system and provide tailor-made modernization concepts, including on-site surveys if needed.



Based on the analysis, we create a binding offer and address any outstanding questions.



During the planning phase, we prepare comprehensive documentation detailing all aspects of the upgrade implementation.



Our experienced service staff and globally trained partner network carry out the modifications on-site, ensuring minimal downtime.



After completing the upgrade, we conduct a thorough system handover. Upon request, we provide training for your staff to ensure safe and efficient operation.



Additionally, we offer a comprehensive range of services, including customized maintenance contracts.

WANT TO LEARN MORE?

Contact us to learn more about upgrade possibilities and the benefits of the INTRON-X system. We look forward to working with you to develop the best solution for your system!



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