



THE STRONGEST LINK.

STAHL

THE FUTURE CLICKS INTO PLACE

The new modular ORCA HMI platform with
EasyConnect click-fit system

SWITCHING HAS NEVER BEEN THIS EASY.

Computer upgrade cycles are measured in years, but the life cycles of industrial installations are measured in decades. Our next-generation HMI platform, ORCA, was developed to address this contradiction with smart innovations and future-oriented technologies.



The ORCA HMI platform also introduces our all-new, cordless EasyConnect click-fit system. It splits the components of a traditional HMI into two separate modules: an electronics box (E-Box) that houses the computer or thin client, and a display box (D-Box) that contains the multitouch screen. These boxes can be freely combined, offering excellent flexibility for maintenance and upgrades. In a nutshell, you'll no longer need a whole new system to improve your processing speed – a new E-Box with a quicker CPU will do the trick.

On top of that, ORCA HMIs offer installation compatibility with HMIs of other industrial vendors, to let you integrate your operator devices across all areas of a plant. Thanks to our Remote HMI firmware, they're also ready for Industry 4.0 strategies like virtual server structures or cloud automation. In short, ORCA HMIs offer attractive features paired with an open upgrade path that helps you keep up with progressing technologies while protecting your investments over the next 15 years and beyond. And the best part: Existing EAGLE or MANTA installations can use our migration services for an even easier start into the future.



E-Box Pro and E-Box Standard



D-Box (22", 15" and 12")

NOT JUST ONE SOLUTION, BUT YOURS.

The ORCA HMI portfolio lets you choose between two different E-Boxes with Intel® Atom™ or Core™ i5 CPUs that allow you to make every system as efficient or as powerful as you need it. To complete your system, simply combine them with one of our three different D-Boxes: high-resolution multitouch displays with diagonals of 12", 15" or 22". And because ORCA was designed to be flexible in all things, R. STAHL even offers optional service level agreements for periods of up to five years in order to help you minimise downtimes.

OPTIMUM OVERVIEW. OPTIMUM OPERATION.

Because every application is different, ORCA operator stations can also be configured as high-performance dual-screen solutions. Two screens can allow you to display one control system in a much clearer and less cluttered way, or to display DCS and MES side by side. But whether you prefer one or two of them, the multitouch displays in our ORCA HMIs are intuitive to use and ruggedised with scratch-proof glass to make sure that productivity stays up. To improve efficiency, ORCA HMIs can be configured with intrinsically safe input devices, including a keyboard and your choice of trackball, joystick or touchpad. This guarantees that the best HMI for your hazardous area is always available in the best format.



SAFE AND SECURE BY ANY MEASURE.

Cybersecurity and explosion protection aren't the same thing, but they're equally important to us. That's why every ORCA installation is a closed system with industrial-grade security and out-of-the-box support for standards like UEFI Secure Boot.

As a result, ORCA is seamlessly integrated into all security concepts. In addition, ORCA operator stations can be fitted with RFID/NFC readers for effortless digital user authentication with electronic signatures.

ONE PLATFORM FOR ALL PURPOSES.

Our ORCA HMIs aren't just ready for the future. They also feature everything that's needed to make your productive environment safer, more efficient and more flexible today. From its intelligent, modular design to its worldwide certification.



DUAL SCREEN

Extended workspace or parallel visualisation of DCS and MES, for example.



SMART DESIGN

Space-saving and easy to install, even by just one person.



COMFORTABLE ACCESS

Quick user authentication and electronic signatures.



CYBERSECURITY

UEFI Secure Boot, SSD write protection, no freely accessible USB slots.



TOUCHSCREEN

Rugged, multitouch-capable touchscreen protected behind scratch-resistant anti-glare glass.



SUSTAINABLE CONSTRUCTION

100% repairable, made from non-toxic materials, with component-specific disposal.



SIMPLE UPGRADES

Quick and efficient maintenance, replacements and upgrades thanks to EasyConnect.



GMP-COMPLIANT

Easily cleanable stainless steel enclosure with front door.



EXCELLENT SERVICE

With optional service level agreements spanning three or five years.



GLOBAL CERTIFICATION

ATEX, IECEx, NEC, CEC, CCC, BIS, KCC, EAC.



MODULAR CONCEPT

Freely choose and combine CPUs and displays.



SECURE CONNECTION

Remote HMI firmware for secure operation in Industry 4.0 environments.

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