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

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.

ONE PLATFORM FOR ALL PURPOSES.

COMFORTABLE

Access
Quick user authentication and electronic signatures.

MODULAR

Concept
Freely choose and combine CPUs and displays.

SIMPLE

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

SUSTAINABLE

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

GLOBAL

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

SMART

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

EXCELLENT

Service
With optional service level agreements spanning three or five years.

DUAL

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

TOUCHSCREEN

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

CYBERSECURITY

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

SECURE

Connection
Remote HMI firmware for secure operation in Industry 4.0 environments.

GMP-

Compliant
Easily cleanable stainless steel enclosure with front door.

THE FUTURE

CLICKS INTO PLACE
The new modular ORCA HMI platform with EasyConnect click-fit system
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.

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.

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.

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.

- **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.

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

- **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.

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

- **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.

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

- **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.