

Maximize Service & Maintenance

Create SaaS / Paas offerings

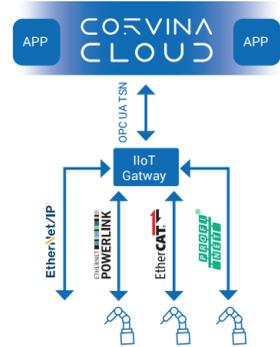


Factory

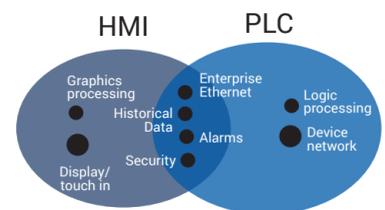
Multi Protocol Plug & Play Use



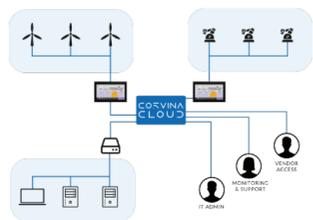
Data Collection



PLC Integration



VPN Connectivity Management



Web server HMI Visualization



Industrial Cloud



Cloud



## Security in Industrial IoT

### Managing the Balance between Security and Usability

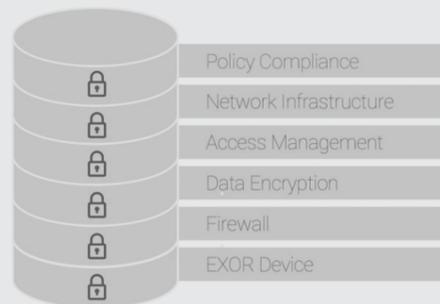
All parts of the EXOR X Platform sit as a working bridge between the need for high levels of security and the usability of an IIoT system. There is by necessity a compromise to be made between these two sides.

### Layered Security

EXOR's approach to security is based on the international guidelines set out in:

- ISO27002
- IEC 62443-2-4
- NIST Cyber security
- Framework 1.0

The security has to present and robust but not impede operational needs. This is the delicate balancing point which we work with each of our clients to achieve.



### Firewall

IP, port, and protocol filtering/firewalling available. Restricted access based on user, group, site for all or single devices.



### Traffic Encryption

Communications between the remote user and the device are fully encrypted using the SSL/TLS protocol, ensuring data authenticity, integrity & confidentiality.



### User & Access Management

Communications between the remote user and the device are fully encrypted using the SSL/TLS protocol, ensuring data authenticity, integrity & confidentiality.



## We Help Companies Implement Their Industry 4.0 Plans



With over 20 global brand label customers ranging from industrial, building automation, marine, and more, **EXOR is the name that in many industries the most influential companies trust their reputation.** The EXOR offer ranges from the standard product, customized hardware & software, to fully embedded solutions to meet your goals.

EXOR International, an Italian company, operating globally, has been designing, developing and manufacturing solutions in **HMI, control, and industrial IoT for nearly half a century.**

EXOR provides you with **easy-to-use tools which express a highly advanced technology** fully responsive to the concepts of Industry 4.0. Founded in 1971, today it has 150 employees across Italy, Germany, USA and India and supported by more than 80 local distributors worldwide.

**Each EXOR branch is run and staffed with local skilled professionals** to offer guidance, consultation and technical support in your time zone. The central design of projects and their manufacture takes place in the headquarters in Italy with strict control over the quality of service as well as product.

EXOR offers solutions **for every budget class** of application and most every installation environment including harsh environments.

**The X Platform provides a secure whole IoT product solution** including hardware, software, and cloud technologies to enable optimal service connectivity and Software as a Service (SAAS) as well as maximizing user value creation & revenue.

## Business Philosophy

A precise business philosophy is followed which influences all the choices that are made: everything in the company is the result of the collaboration of experience and talent, shared with new ideas and given space for our young engineers to express themselves.

In an ever-changing economic environment rather than employing our resources on what might change, we prefer to focus on what will not change:

- 1) the need of our customers for our technology that reliably improves performance and security
- 2) the awareness that when entrepreneurs make a choice for their automation processes, they know they are committed for many years.

We are aware that the entrepreneur who signs a contract which implements work runs a certain level of process risk. In this risk taking we have to be a guarantee with our products and our support.

exorint.com

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## 🔗 Welcome to the IIoT Ready X Platform by EXOR

The X Platform by EXOR is your complete guide to realize any Industry 4.0 plans. **Its goal is to help you to rapidly develop new applications** of smart connected devices for your clients, **no matter at what stage you are currently.**

Operating in the industry sector since 1971, this vast experience coupled with continued multi-year world-class innovation allows EXOR to utilize all stages of development, design and manufacturing to help your business.

Scroll down to see the components of the X Platform or click below and join the many companies that EXOR International is helping realizing their Industry 4.0 ideas.

## The Components of the X Platform



Software

**JMobile**

Communication across **multi-vendor, multi-protocol and multi-device** environments and then sending this data to local or cloud storage is a requirement for manufacturing efficiency. **JMobile** suite of software offers this with unmatched level of user experience based on nearly 50 years of Industrial automation experience.



Hardware

**microSOM™**

The evolution of EXOR from a traditional HMI hardware designer and manufacturer to a **complete IIoT solution provider** is most evident in the hardware offering. From the very basic component of IIoT, at the SOM level, through field and then up to SCADA and Master level panels, **EXOR covers all the current and future market needs.**



Cloud

**CORVINA CLOUD**

**Built for Industry** with all the particular requirements for this sector. Born from **Operation Technology** speaking the language of the factory. Corvina Cloud is constructed with state-of-the-art technology specifically mapped for **scalability, reliability and fault tolerance** and can be offered as on premises, behind your firewall.

## 🔗 X Platform Components

### Embedded

#### The 1st Component of Industrial IoT

Use Exor Embedded System On Module and display options to design your IIoT product yourselves, have Exor design, develop and test your product or simply choose to customise an already existing standard Exor product. The point is, with Exor Embedded you do actually have this level of choice, which we will help you make. Nothing is standing in your way to come to market with your IIoT product.

This is where the **X Platform by EXOR begins.**



## Software Solutions

### Visualization and Connectivity Software

JMobile is a principle driving force in the X Platform. EXOR developed the JMobile software in close cooperation with a group of major clients. This trusting collaboration with the market has continued throughout the subsequent years and as a consequence has led to a unique software package, responding in a secure and stable manner to real needs.



### Pure Web Technology

JM4web is the seamless connection between Industrial control applications and ubiquitous mobile devices such as smart phones and tablets. Developed ahead of the market's vision in 2010 and continuously updated ever since using the very same guiding principles for JMobile, it now provides the most comprehensive Pure Web Technology available.

## Hardware Solutions

### JSmart Just Changed Field Visualization

With constant engineering investment EXOR can introduce to the industrial world the field device version of the already successful eX700 series: JSmart. Acting as a HMI, PLC, and IIoT Gateway it is ready for all the Industry 4.0 concepts that will become required in projects going forward. It is too early to say where this unique product will find the most applicational use but it is likely that as a dominant web browser, finally, applications will have the computing power they need to run.



### Revolutionary IIoT Controller

EXOR has updated its flagship product the eX700 Series and gone much further, creating the ultimate all-in-one solution ready for scalable applications across many industries. Super High Performance, High Resolution Glass Cap Touch, Fully Connectable upstream & downstream, Powerful Integrated PLC w/ all the major protocols, Integrated VPN with Service Cloud, all with a 5 year warranty as standard.

### First Step IIoT Compatibility

The eXware represents a prudent first step into the implementation of IIoT and Industry 4.0 compatibility. Acting as the central element in IIoT landscape the eXware can communicate between automation devices, cloud, fog and applications. Through use as a gateway, a powerful HMI, a PLC with CODESYS V3 or a secure router, the eXware facilitates data intensive and complex IIoT applications to be enabled.



### Stripped Down Essential Power

When EXOR first introduced to the market the **eSMART series** in 2015, it was always **our intention to rethink the budget HMI sector.** **Our belief and the continued engineering investment** has now been recognized by the most severe certification organizations in the world. There is now **no low cost HMI series in the world that can offer the range of features and certificates**, opening dramatically the range of possible applications and industry verticals.

### Harsh Environments

The eTOP500 Glass with a **class leading performance rating** it has become the choice for extreme conditions. What sets the model apart is the combination of the **rugged design** with the use of JMobile software which renders the **operation of the HMI extremely easy**, an important point when the surroundings are difficult.



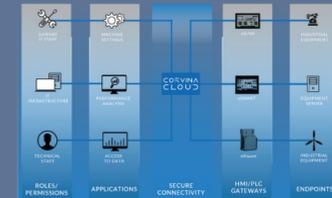
### State of the Art IP69

Where tough legislation requires that handling, preparation, processing and packaging of food is done to be extremely hygienic, the outstanding 7" Food and Beverage HMI from Exor is the **best choice for manufacturer and final consumer.** No other company offers such specialized solutions to the everyday problems faced in the Food and beverage industry and **in particular the meat processing sector.**

## Cloud Solutions

### Connectivity Management

**Corvina Cloud 1.0** is the connectivity management platform that **puts you in control of your IIoT business**, which leads seamlessly from JMCloud. This IIoT-ready, secure, and user-friendly platform **dramatically reduces the excess costs involved with installation and maintenance** as well as preparing you for the new IIoT business models of tomorrow.



### The Industrial Cloud

**Corvina Cloud 2.0** is built for Industry with all the particular requirements for this sector.

Born from Operation Technology **speaking the language of the industrial sector.** It is the standard for Industrial Cloud Connectivity and is the second phase in the Corvina Cloud 2.0 development.