CORVINA

✕

CORVINA

CORVINA

CORVINA is the cloud-based, all-in-one data management platform that provides the technology you need for the industrial world. CORVINA is an administration shell for distributed edge systems, integrating data collection, monitoring and control, configuration management, integrated web tools and programming environments to support the machinery and applications throughout its whole lifecycle providing productivity increase and new Business Models based on Services.

It connects any products, plants, systems, and machines, be they new or legacy. It allows the data generated by the Internet of Things (IoT) to be processed simply and intuitively with advanced analysis.
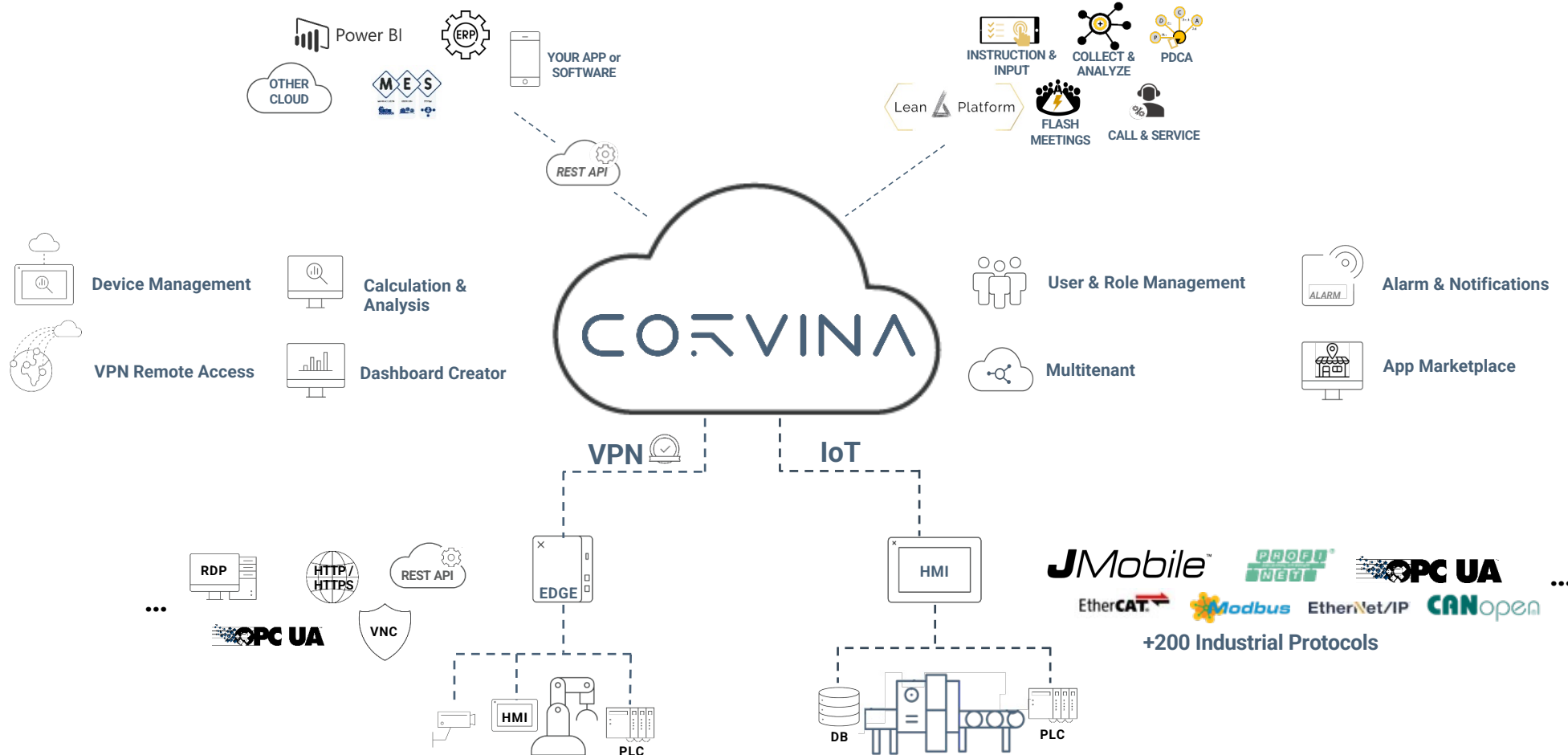
It bridges layers between IT and OT architecture, providing effective tools to access all the industry 4.0 benefits, such as asset performance management, artificial intelligence, cloud edge computing, predictive maintenance, data modeling and OT remote monitoring.

CORVINA

From Field Machine Connection to Smart Factory Digitalization

CLOUD

CORVINA

The Open Industrial IoT Platform for Remote Monitoring and Management of connected Devices, IoT devices, Factory data collection, and Visualization. Corvina enables the Servitization of connected devices as well as Smart Factory digitalization to analyze and optimize any production process.

SOFTWARE

IIoT industry 4.0 ready

JMobile®
The software inside X Platform

Framework + Portable Runtimes with 200 industrial protocols and IEC61131-3 PLC integrated

X

PLATFORM
powered by EXOR

HARDWARE

EXOR

Embedded Solution

HMI-PLC IoT Controller

eXware IoT Edge devices

From Field Machine Connection to Smart Factory Digitalization

CORVINA

Increasing Product Value and Reducing Costs with CORVINA's Servitization Solutions

What is Servitization?

Servitization is a business model that involves **offering services**, in addition to traditional products, to customers. In the context of machine building, servitization involves adding new services and capabilities to the machines being sold, beyond just the physical machine itself. **These services may include things like remote monitoring, predictive maintenance, and other value-added offerings**.

The goal of servitization is to provide customers with a more comprehensive and integrated solution, improving the customer experience and increasing customer loyalty. By embracing servitization, **machine builders can differentiate themselves in the market**, generate new revenue streams, and build stronger relationships with their customers
CORVINA specializes in **helping machine builders adopt a product service approach**, which can enhance product value and reduce costs by gaining more control over the use and maintenance of machines.

CORVINA

Why Machine Builders are Turning to Servitization to Improve Value Proposition and Drive Sales

Enhanced Value Proposition

By bundling additional services like maintenance, consulting, and training with machines, machine builders can offer a more comprehensive solution to their customers, improving their value proposition and creating a competitive advantage.

Increased Revenue and Profitability

By providing a more complete solution, machine builders can drive sales and profitability, attract new customers, and increase repeat business.

Improved Customer Satisfaction

Servitization allows machine builders to gain more control over the use and maintenance of their machines, reducing downtime, and minimizing repair costs. This can lead to improved customer satisfaction and increased loyalty.

Cost Reduction

By Providing services can help machine builders reduce costs by optimizing machine performance, preventing breakdowns, and extending the lifespan of their machines.

Industry Trends

By The trend of servitization is becoming increasingly popular in many industries, making it a competitive imperative for machine builders to adopt a product service approach in order to stay ahead of the curve and meet the changing needs of their customers.
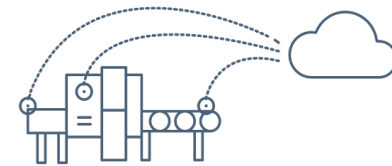
CORVINA

Corvina Main Services

VPN Service

Remote Access and Edge Management allows to securely and easily connects your edge devices and your machines.
It is an advanced connectivity management solution that allows you to manage your IIoT business.
The user interface is incredibly easy to use.
The web-based solution makes all your remote devices, networks and users to communicate securely, to manage updates on devices and to connect endpoints (PLCs, Drives, etc…).

Data Platform

IoT Data Collection, Visualization and Analysis is the key for machinery **servitization and plant digitalization**. CORVINA Platform connects any products, plants, systems, and machines, be they new or legacy. It allows the data generated by the Internet of Things (IoT) to be processed simply and intuitively with advanced analysis.

It bridges layers between IT and OT architecture, providing effective tools to access all the industry 4.0 benefits, such as asset performance management, artificial intelligence, predictive maintenance and OT remote monitoring.

CORVINA

Platform Feature

Cybersecurity is the key to protect our customers in the field and in the cloud.
Device BSP protect the field with Firewall, NAT and portforwarding.
Device and cloud use automated certificates and identity management based on x509 and Encrypt all the communication using SSL/TLS.
Two factor Authentication preserve ungranted access and an Audit Trail keep track of all the activity made by users.

REST API

Corvina is an easy-to-use Open platform that can be customized for the Customer and by the Customer.
Corvina SDK (Software Development Kit) allow the customer to create their widget and data analysis tailored on their needs
Rest API allow to access the information collected in the Cloud and create their own Software, Apps, move data to private Database, create interaction with ERP, and much more..
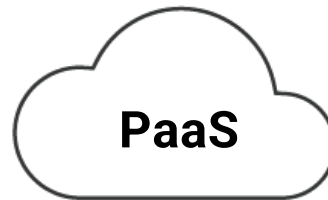
CORVINA

Platform Access

SaaS

SaaS is a subscription-based access on Corvina that receives and archives data providing access as a Service using a Standard HTML5 Browser.

2 Years Data retention included in the Subscription.

PaaS

A dedicated instance of Corvina Platform completely isolated from other Customer's data. The Service include Management of the Cluster, Support, DevOps and other services that can be enabled on request.

On-Premise
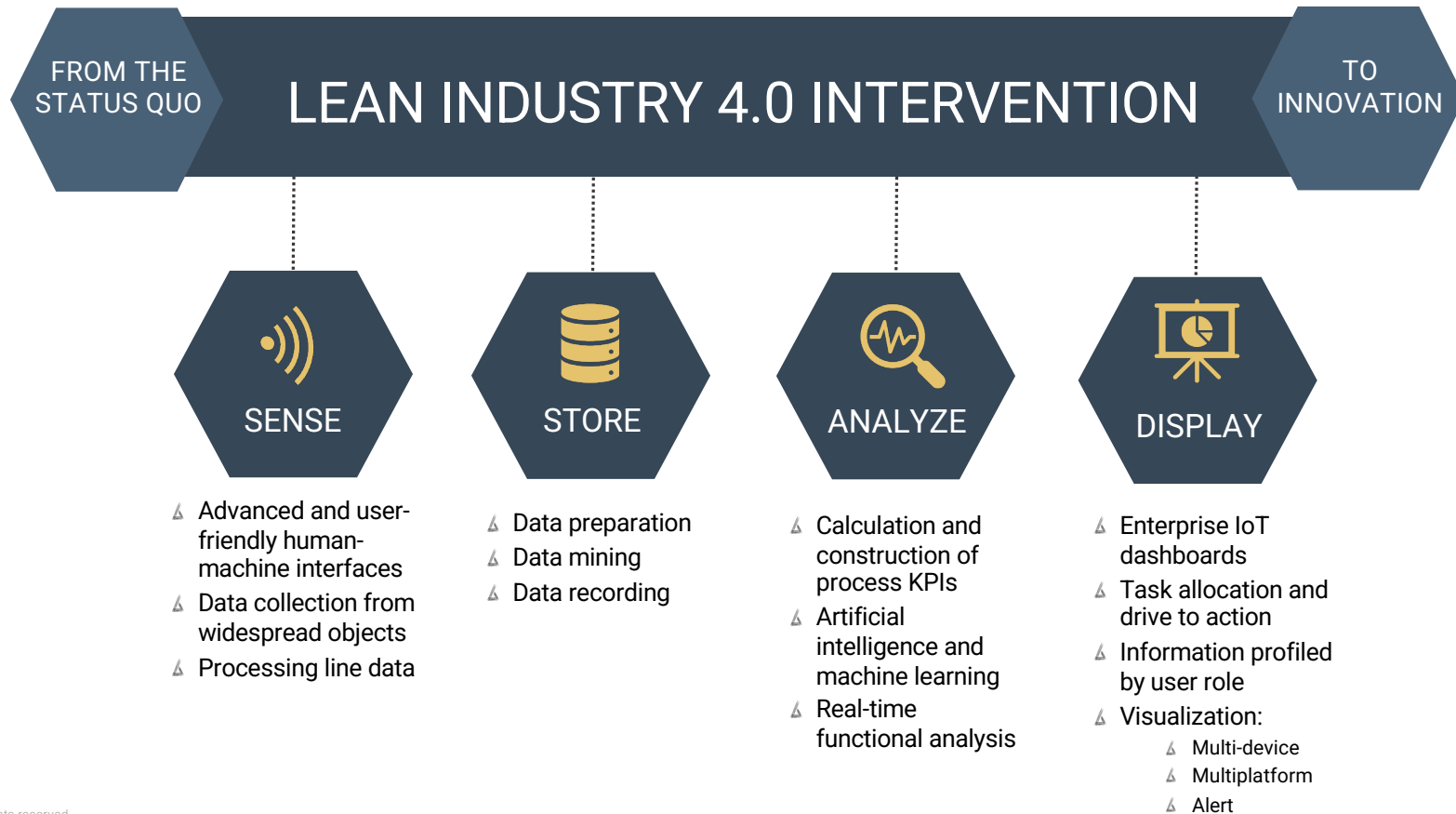
Corvina can reside on customer IT infrastructure (physical or Cloud) providing a "private" tool to Manage and Analyze Device IIoT Data and to create custom Application that provide services based on it.

CORVINA

The Digital Transformation for Industrial Production

- Drive the cost reduction
- Maximise production
- Increment the revenue
- Answer to market needs
- Anticipate the competitor

Action Model

CORVINA

FROM THE STATUS QUO → **LEAN INDUSTRY 4.0 INTERVENTION** → **TO INNOVATION**

SENSE
- Advanced and user-friendly human-machine interfaces
- Data collection from widespread objects
- Processing line data

STORE
- Data preparation
- Data mining
- Data recording

ANALYZE
- Calculation and construction of process KPIs
- Artificial intelligence and machine learning
- Real-time functional analysis

DISPLAY
- Enterprise IoT dashboards
- Task allocation and drive to action
- Information profiled by user role
- Visualization:
  - Multi-device
  - Multiplatform
  - Alert

For All Functions involved in the process

PRODUCTION MANAGER
It organizes resources, plans activities and monitors progress.

MACHINE OPERATOR
It starts and manages production and its progress, activates maintenance in case of failures.

MAINTENANCE OPERATOR
It keeps the machines operational, resolves faults and problems reported by operators.

QUALITY MANAGER
It supervises and coordinates resources and activities to ensure a high standard of quality.

LOGISTICS OPERATOR
It effectively and efficiently plans and manages the internal logistics of raw materials, semi-finished and finished products.

CORVINA

Contact Your EXOR Partner or Find Additional Information

For more information on CORVINA go to:
https://corvina.io/

Learn more about CORVINA Servitization for Machine Builders:
https://corvina.io/field-guides/servitization?hsCtaTracking=fa7800cd-60a6-4ce6-bfc9-49d9ea835e91%7Cee13951b-e064-4b68-8ffa-47f848b5bbe0

Learn more about CORVINA Digitalization for Manufacturers:
https://corvina.io/field-guides/digitalization

Contact your EXOR Partner
to learn more.

✖

CORVINA