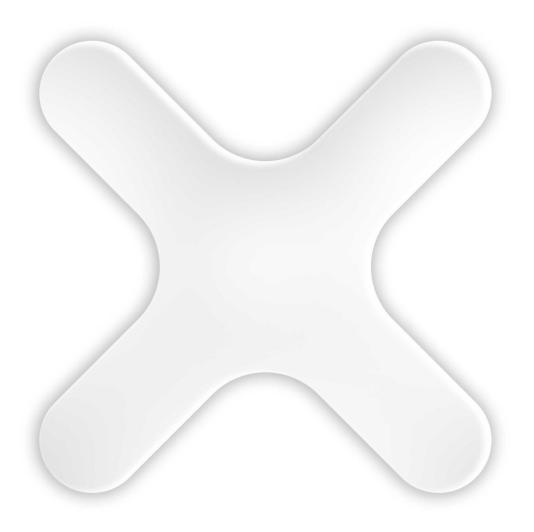
Toekomstvisie



Our Journey in SMARTMachinery and SMARTFactory:

Digital Transformation

DEVELOPER DAY 2022 Ridderkerk September,21 2022













EXOS by the numbers

Exor International Corporate Financials

52,000,000.00 Forecasted 2022

42,000,000.00

Consolidated 2021

1.500.000 +

Years in

the industry

Worldwide installed HMI products

2500+

Worldwide Machine Builders OEM 140.000+

IIoT Devices, HMI; PLC, Controller produced in 2022 (forecast) 350.000+

Embedded SOM produced in 2022 (forecast)

50.000+

Worldwide connected IoT Devices

276

Worldwide Employees

68* (25%)

Development
Engineers
*(including EXOR India
and Exor Embedded

teams)





Exor Embedded Croatia – Zagreb 6 Employees Embedded Hw/Fw R&D

EXOR EMBEDDED CROATIA

Exor gmbh - Wuppertal Germany 10 Employees Sales - Technical Support





NETHERLANDS. Exor partner since 2000

EXO5

INDIA

EXOR India Pvt.Ltd - Mumbay (Sales)

26 Employees - (15 R&D)



Exor America - Cincinnati USA 12 Employees Sales - Technical Support



EXOS

Exor International Headquarter Verona

– Italy 180 Employees –
R&D: 35 Dev. Engineers + CORVINA 32

Engineers.

Manufacturing 200.000 pcs. x Year HMI / EDGE and IoT products



EXOR Oceania Pty.Ltd Perth – West Australia 6 Employees

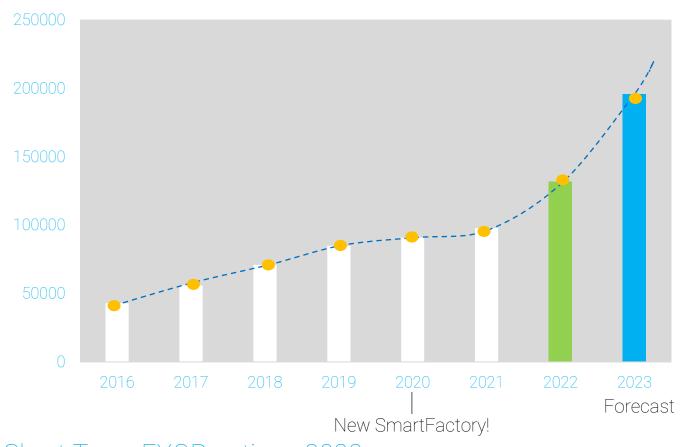
Sales - Technical Support



Year 2022: Very complex Year!



EXOR SmartFactory Year produced units Qty.



Year 2022 Forecast +25%



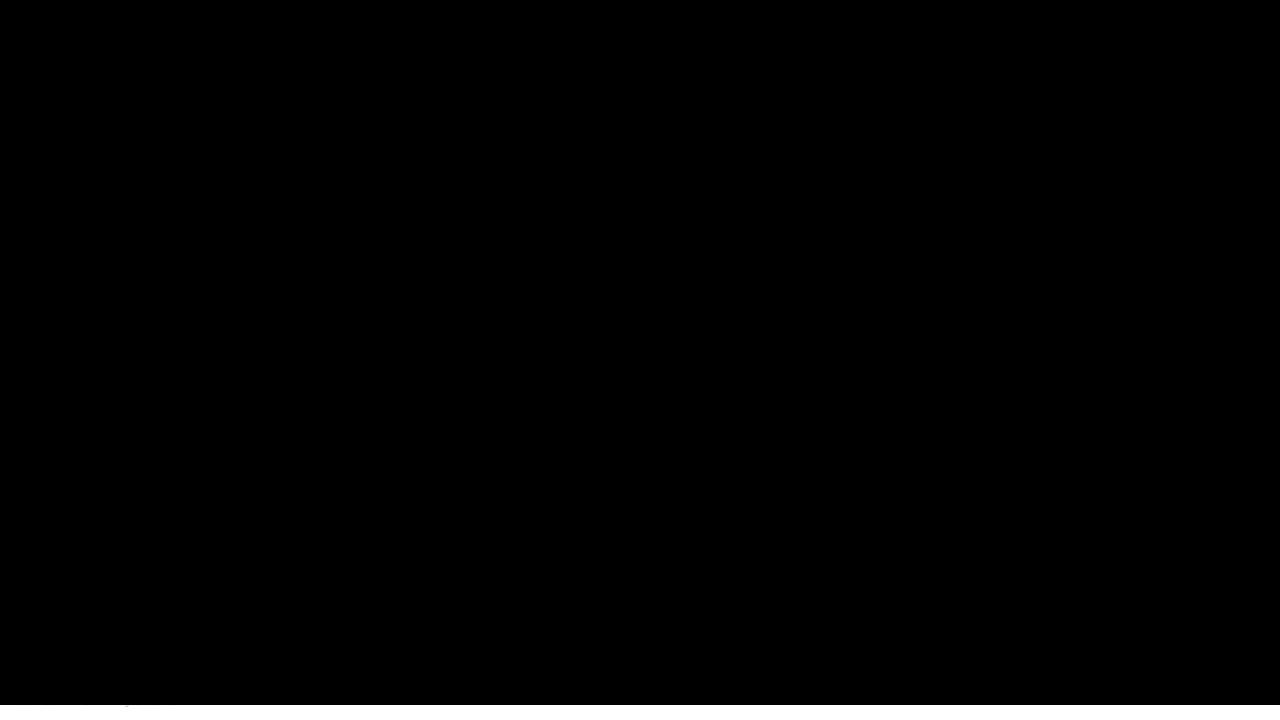


Short Term EXOR actions 2022

Production EFFICIENTY +20% in 2022.
BOARD Redesign for COMPONENT REPLACEMENT.
Increase Stock of material +40%.

+10% increase in WORKFORCE in 2022.

Component Purchase orders done until June 2024 (20 months in advance).







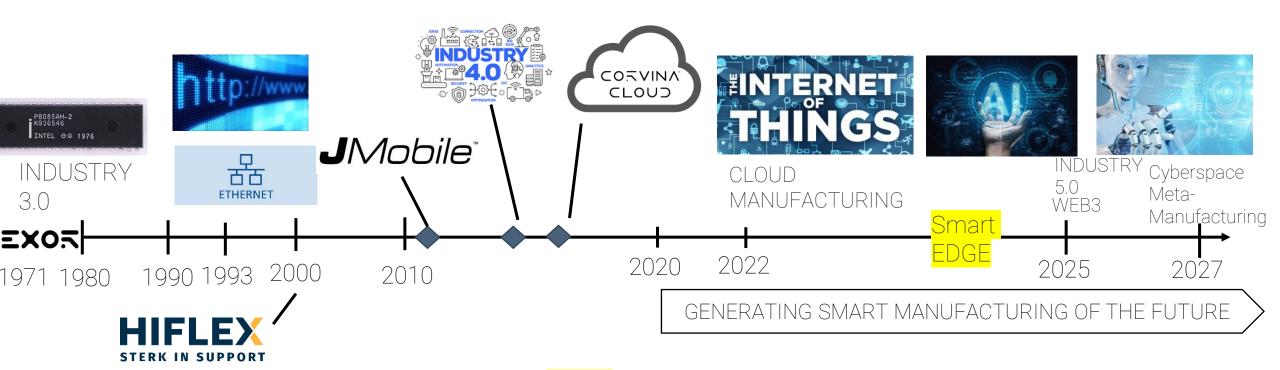
TOEKOMSTVISIE EXOR





Industrial Digital
Automation Manufacturing

Autonomous Manufacturing



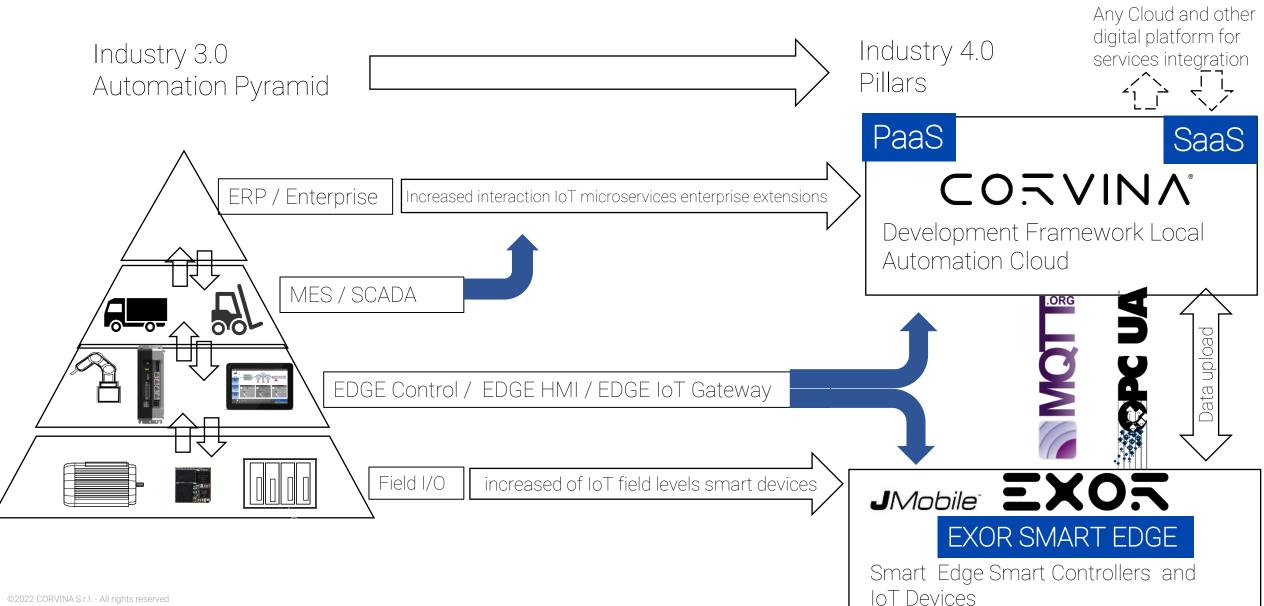
Between 2020 and 2030, it will be decade of EDGE computing — complementing the power of the cloud. Market researchers say it's going to be about 75 billion smart connected devices by 2025.

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EXOR - CORVINA OPEN SMART EDGE INDUSTRIAL IOT AUTOMATION PLATFORM ARCHITECTURE







JMobile*

Development Framework Platform for App Development Management and App Deployment.



EXOR SMART EDGE



Embedded HW&FW libraries and components



Mobile HMI



XA5



eSMART Serie

eX700 Serie

eX700M /MG Browser Panel

Serie

JSMART Serie eX700-Al Serie

Family

EDGE

eXWare IoT

Gateway

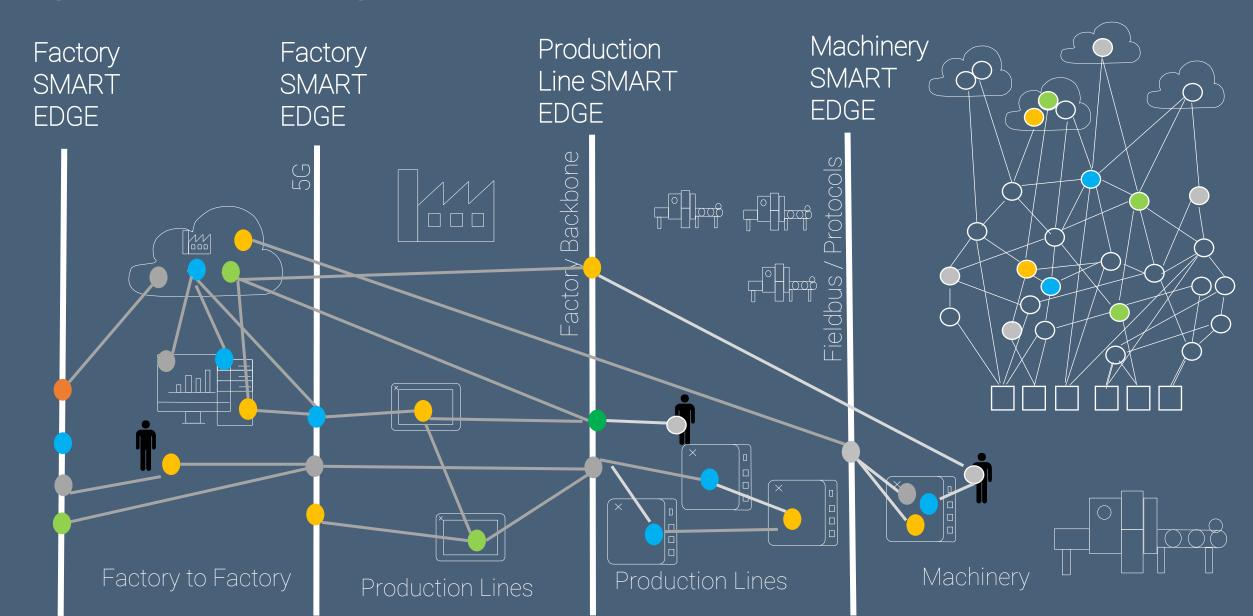
CONVINA



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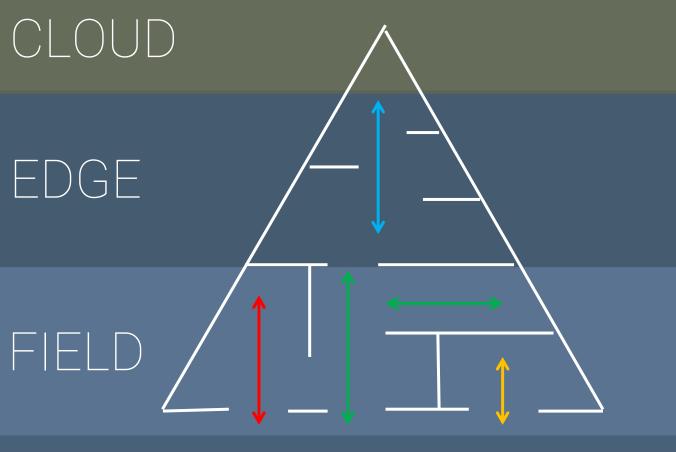
SMART EDGE





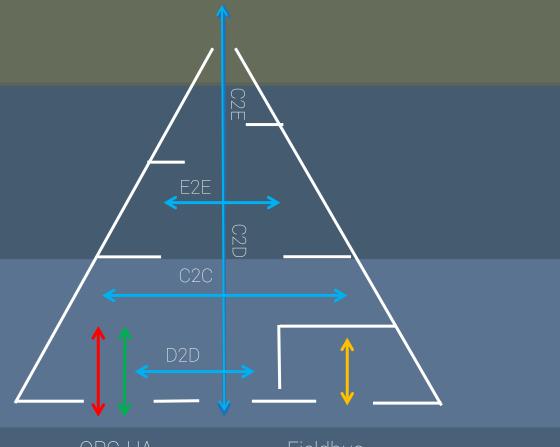
Vertical IT/OT Integration

Fully IoT scaling from field to the cloud



—— OPC-UA —— Fieldbus RT-Ethernet —— Analog / Digital I/O

IoT Information Technology and Operational Technology convergence



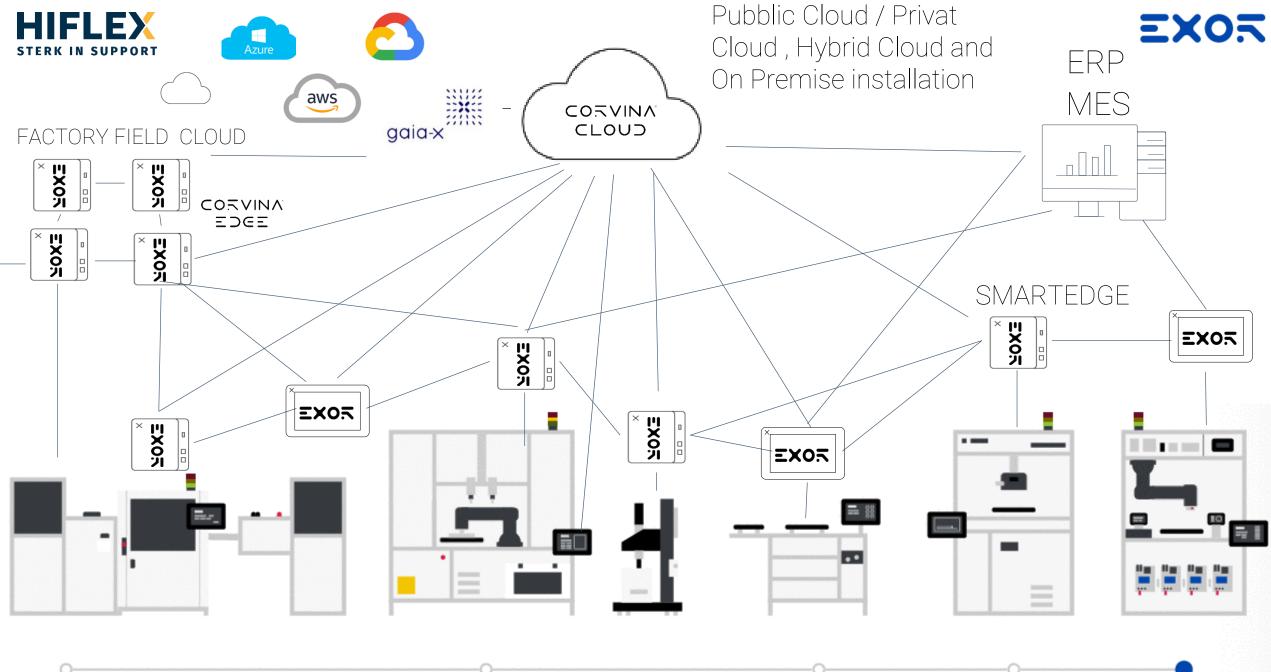
OPC-UA RT-Ethernet

C2C: Controller-to-Controller C2D: Controller-to-Device

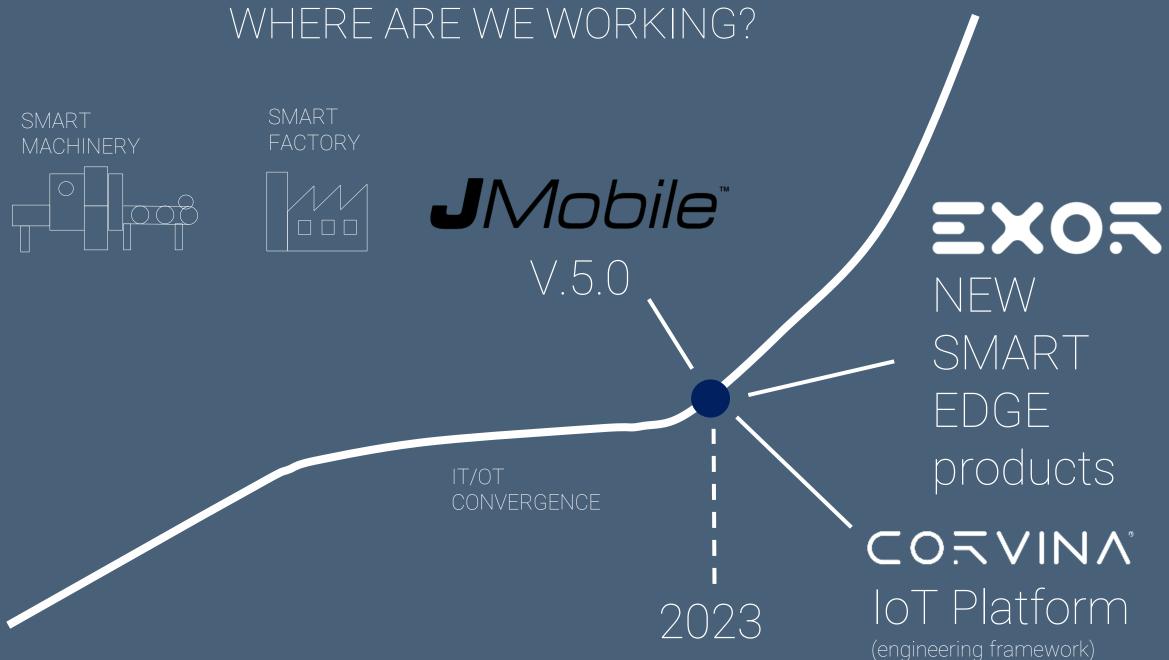
D2D: Device-to-Device

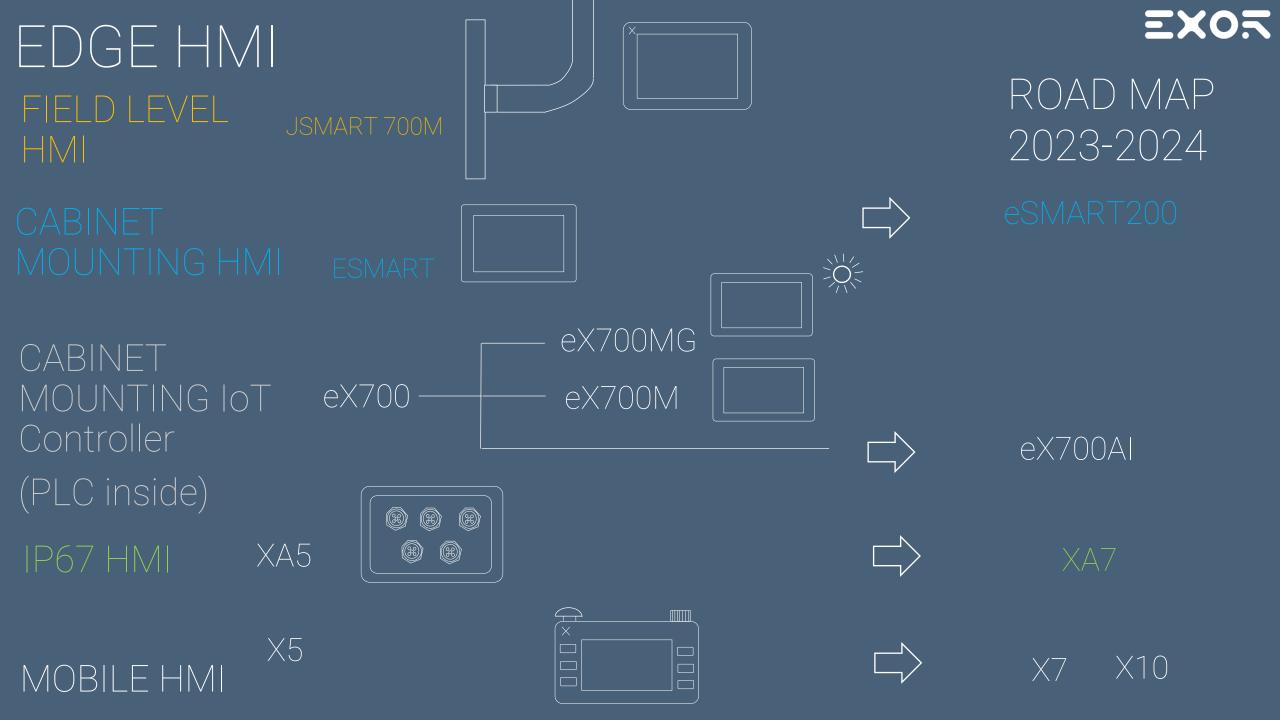
Fieldbus Analog / Digital I/O

E2E: EDGE -to-EDGE C2E: CLOUD -to-EDGE









EDGEHMI

EXOR

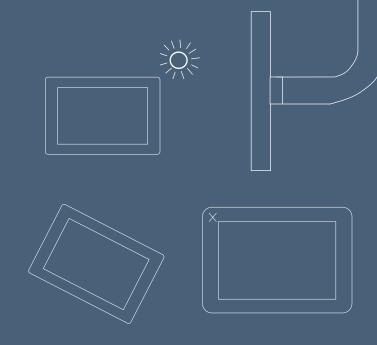
More Connectivity

More Cybersecurity

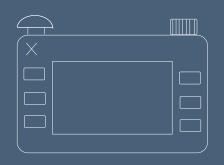
More performance

Sustainable products

Scalable and Modular







From 5 inch to 21 inch and more

10+ Years Product Longevity

Wide Operating Temperature OPTIMAL MTBF

High Reliability.
More durability

More Product Certification

SMARTEDGE JMobile





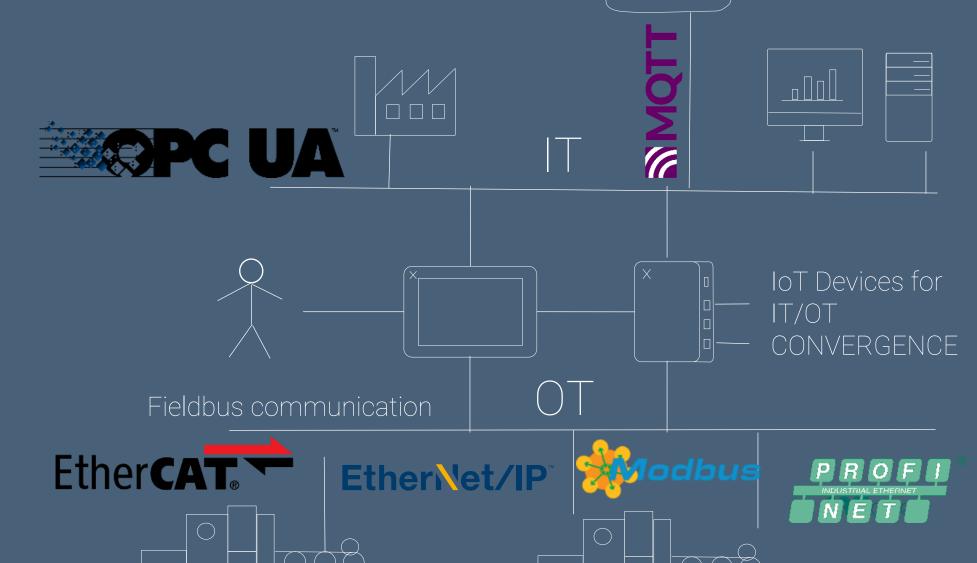
CONVINA



EDGE HMI



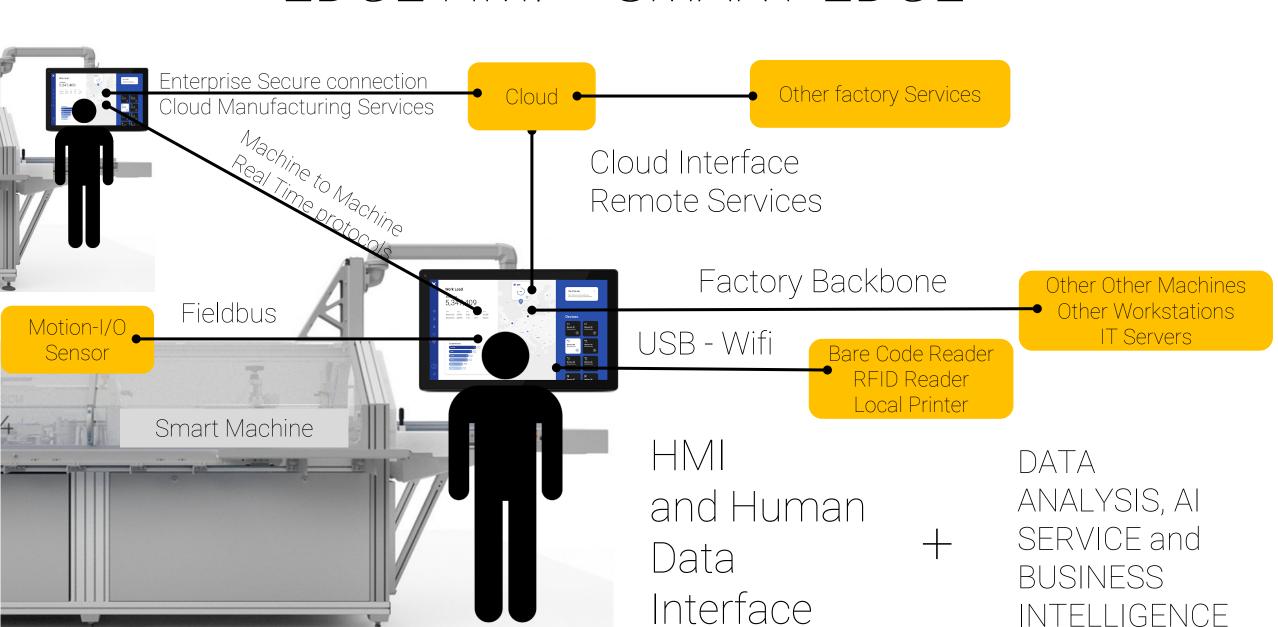
IOT EDGE





EDGE HMI – SMART EDGE





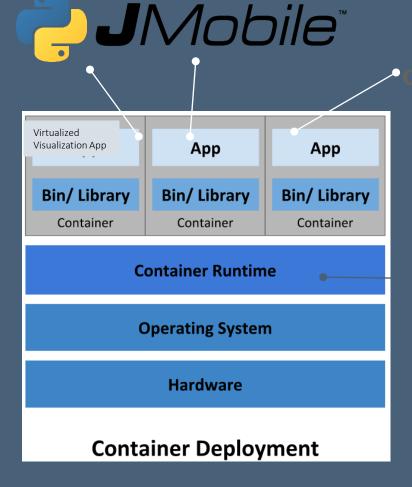
HMI Technology

EXOR



















Smart Edge

Design and robustness

✓ 05 December 2020 38,3452
 ✓ 02 January 2021 23,3452
 ✓ 02 February 2021 23,3452

Alert
Al005 - maximum temperature reached

Al025 - extruder drive fault

Al024 - emergency off

Simple and essential

SMART SCADA approach

More OPEN platform



reaction. Design for ruggedized application.

Superior optical performance





eXWARE – lot Connectivity

eXWARE 703 eXWARE 707

MORE THAN 50.000
Devices are Connected to CORVINA CLOUD. (15.000 in 2022)

2023



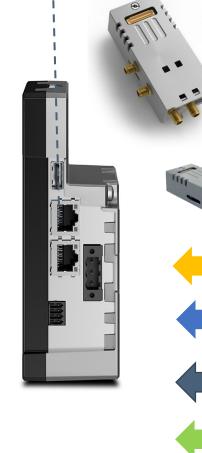
JMobile[™]

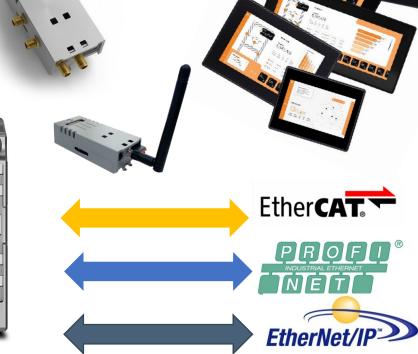


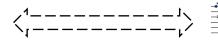




CONVINA











Modbus

EXON

REMOTE SERVICES, DATA CLEANING AND NORMALIZATION

Industrial Edge computing 200+ Fieldbus protocols

POWERLINK





ESMART200 – Advance information



eSMART200 Advance info









Multitouch PCAP Touch Screen Black Printing color glass Brightness >300 cd/m2 Operating Temperature -20:+55 °C

Main Features	
CPU	Quad Core ARM Cortex A9 1,6Ghz
DDR Memory	1GBytes
FLASH DISK	8GBytes
RTC	SuperCAP Backup
Ethernet Port	(2) 10/100
Serial Port	(1) RS485
CAN Port	(1) CAN 2.0B
USB	(1) USB 2.0





1280x800









Dual Ethernet Ports

RS485 Serial Port

CAN Port

USB Port

24VDC Power Supply

Interfaces to the Field in the definition of «Industrial HMI» standards.











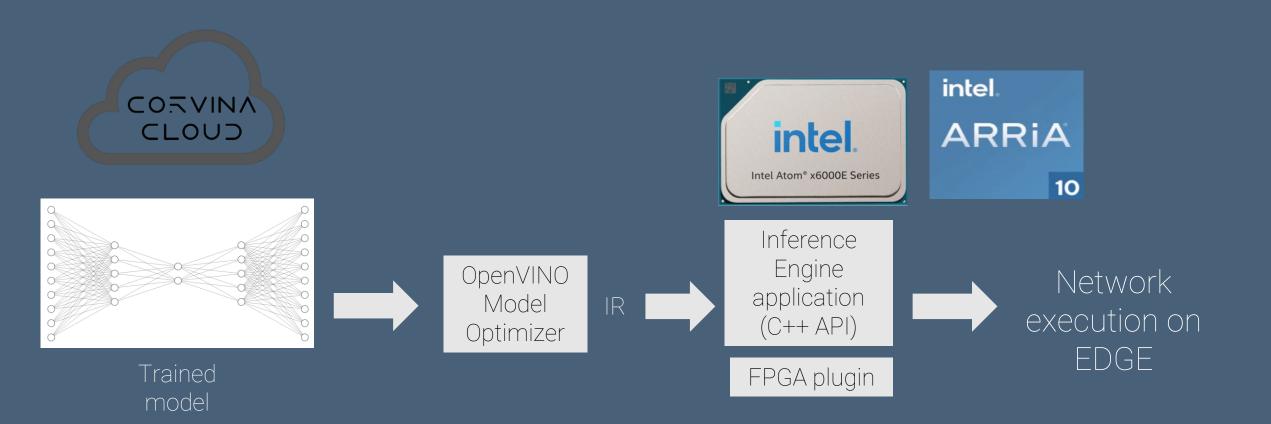


eX700Al Advance Info





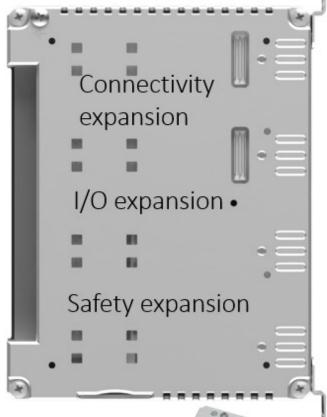
Edge deep-learning inference simplified





EXOS

eX700Al Advance Info















CONCLUSION





What are the HMI functions differences?

1970 2022



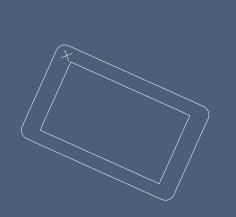








IS THE INDUSTRY GAME CHANGER



Thank You!





