Multi-network connectivity

Security

Functional safety

Wireless access

Remote access

Machine control

Predictive maintenance

The Connected Machine

How HMS technology can get your machine
connected and ready for the modern factory.

HMS Connecting Devices™

Internet
Intranet

Online access to the machine outside the factory

Wireless access to the machine inside the factory

Building a machine? How do you get it connected and IIoT-ready?

So you're building a machine. Probably the best ever. But how do you get your machine connected to industrial networks? How do you connect it to IoT software in a secure way? And how do you solve internal communication between components and sensors inside the machine?
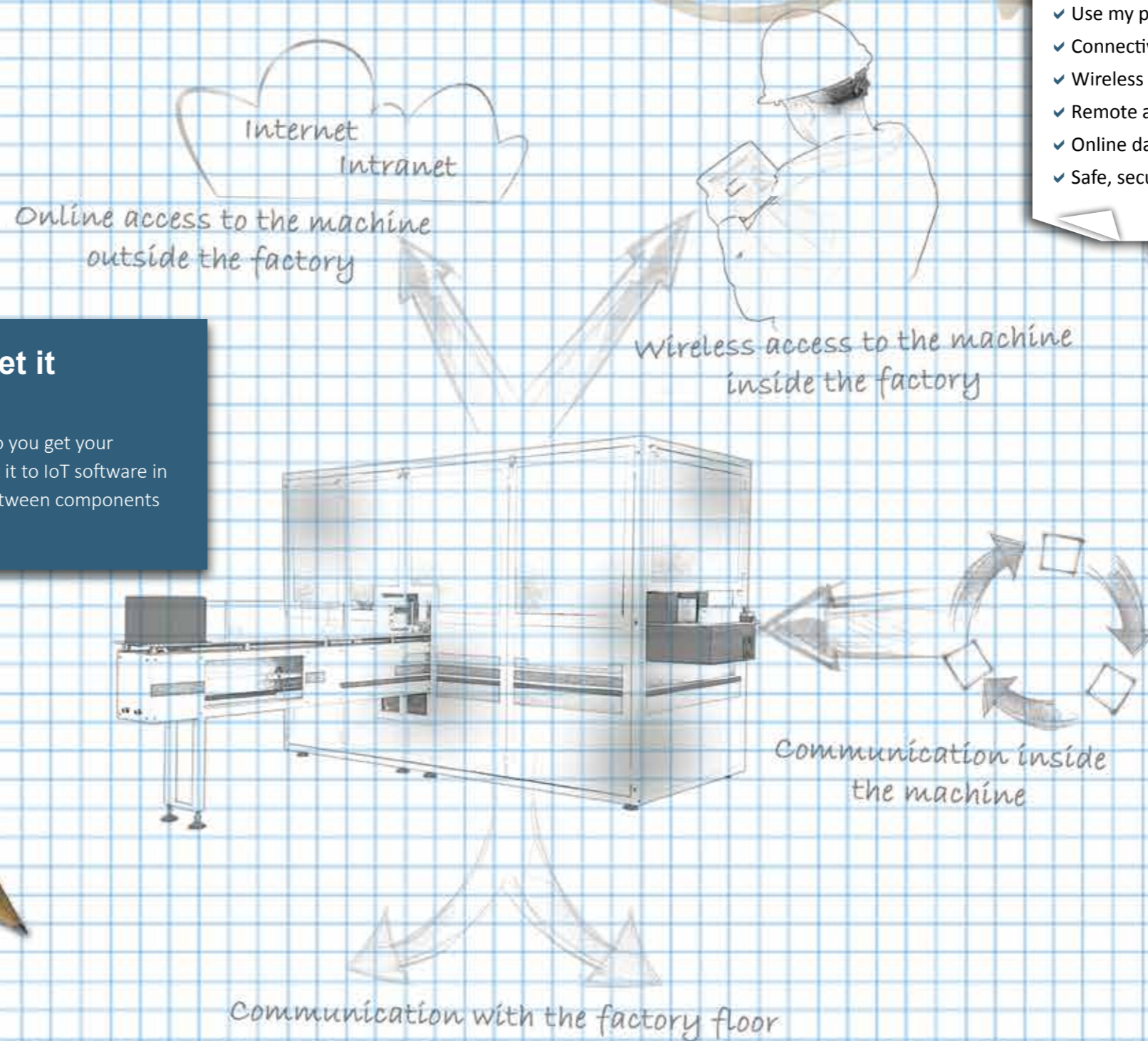
Communication inside the machine

Communication with the factory floor

POWERLINK Modbus CP EtherCAT CC-Link CANopen ControlNet CC-Link DeviceNet EtherNet/IP Modbus

Turn the page to see how HMS can help you as a machine builder.

How HMS can make your machine connected.

Remote management

With an eWON Flexy or Netbiter connected to your machine, you can do remote monitoring and control via the web. View machine status in an online dashboard and get alarms if something happens. IIoT made easy!

Products:
eWON Flexy & Netbiter

Remote access

Establish a secure tunnel to any PLC to do programming and debugging from anywhere. You use your usual PLC configuration software, just as if you were connected on site.

Products:
eWON Flexy & Cosy

Wireless communication

HMS wireless solutions get your machine connected to a Bluetooth or WLAN network. This makes it possible for users to bring their own tablets as HMIs.

Products: Anybus Wireless Bridge
Anybus Wireless Bolt, IXXAT CANblue II

CAN infrastructure

IXXAT CAN bridges, repeaters and gateways enable CAN-based devices to communicate — inside or outside machines.

Products:
IXXAT CAN infrastructure products

PC Interfaces

If you have an industrial PC controlling your machine, you can use an IXXAT PC interface to communicate with CAN or an industrial network.

Products:
IXXAT CAN cards
IXXAT INpact

Embedded multi-network connectivity

Embed an Anybus CompactCom into your machine or device to get connectivty to any network. If you want to connect to another network, just plug in another Anybus module.

Products: Anybus CompactCom

Functional safety

The IXXAT Safe offering includes hardware and software for connecting to PROFIsafe, CIP safety, FSoE etc.

Products:
IXXAT Safe T100

Communication expertise

With more than 25 years of experience within industrial communication, HMS expertise is at your service for any communication issue.

HMS provides
IIoT ready
Industrial Internet of Things
solutions

Multi-network connectivity (regardless of PLC)

Anybus gateways will get your machine connected to any industrial network or PLC. This means that you can choose the best PLC for your machine and still connect to any industrial network in any factory, anywhere.

Products: Anybus X-gateway,
Anybus Communicator

Connectivity solved!

Stay secure!

The Industrial Internet of Things means that devices are getting more connected. This also puts higher demands on security. HMS technology includes security features such as packet storm resistance, certificates, access control and HMS continuously work to maintain data security in its product offering.

How *we* did it: Five machine builders — different requirements

Multi-network connectivity

Svensk Industriautomation (SVIA), Sweden

SVIA manufactures robot cells which pick up objects from a conveyor belt. They use Anybus X-gateways to connect their robot cells to any other network.

"DeviceNet is the standard we use in most of our cabinets and instead of handling the conversion to other networks ourselves, we simply install an X-gateway from HMS."

Anders Mandorsson,
Project Manager & Design,
SVIA

Functional safety

Fortress Interlocks, UK

Fortress Interlocks manufactures safety interlock systems for industrial machines. These are used to help prevent a machine from harming its operator or damaging itself. They used IXXAT Safe T100 and Anybus CompactCom to get connected to PROFINET/PROFIsafe.

"The TÜV pre-certification has certainly been a big help for us. With the template material available from HMS, we could easily create the document required for the TÜV certification."

Rob Johnson,
Senior Electronics Engineer,
Fortress Interlocks

Remote access

A.G. Stacker, USA

A.G. Stacker is a manufacturer of state-of-the art stackers mainly used for the packaging industry. Although rigorously tested, customer conditions sometimes warrant fine-tuning and system modifications in the field. For this, AG Stacker uses eWON technology.

"Using eWON is unimaginably easier than traditional approaches to accessing via the customer's network."

Kennedy Larramore
Electrical/IT Technician
A.G. Stacker

Wireless communication

Senys Gatso, Netherlands

Senys Gatso uses IXXAT CANblue II to enable wireless Bluetooth communication between their radar boxes and traffic cameras.

"The CANblue II was the only wireless solution that could handle the 60 meters we needed."

Enrico Damen,
Manager Engineering
Sensys Gatso

Remote management

Eaton, EMEA

Uninterruptible Power Supplies (UPS) from Eaton make sure businesses always have an immediate back-up if the main power should fail. They use Netbiter to remotely monitor running hours, temperatures, output power etc.

*"We can log on to Netbiter Argos and immediately start troubleshooting remotely."*

Bart Van der Goten,
Service Manager,
Eaton Belgium
and Luxemburg

HMS INDUSTRIAL NETWORKS AB
BOX 4126
300 04 HALMSTAD

SWEDEN

HMS Industrial Networks

HMS develops and manufactures products under the brands Anybus®, IXXAT® and eWON®. These products enable industrial devices to connect to different industrial networks and also be monitored and controlled remotely. Development and manufacturing take place at the headquarters in Halmstad, Sweden, in Ravensburg, Germany and in Nivelles, Belgium. Local sales and support are handled by branch offices in China, France, Germany, Italy, India, Japan, Switzerland, UK and USA, plus distributors in more than 50 countries.
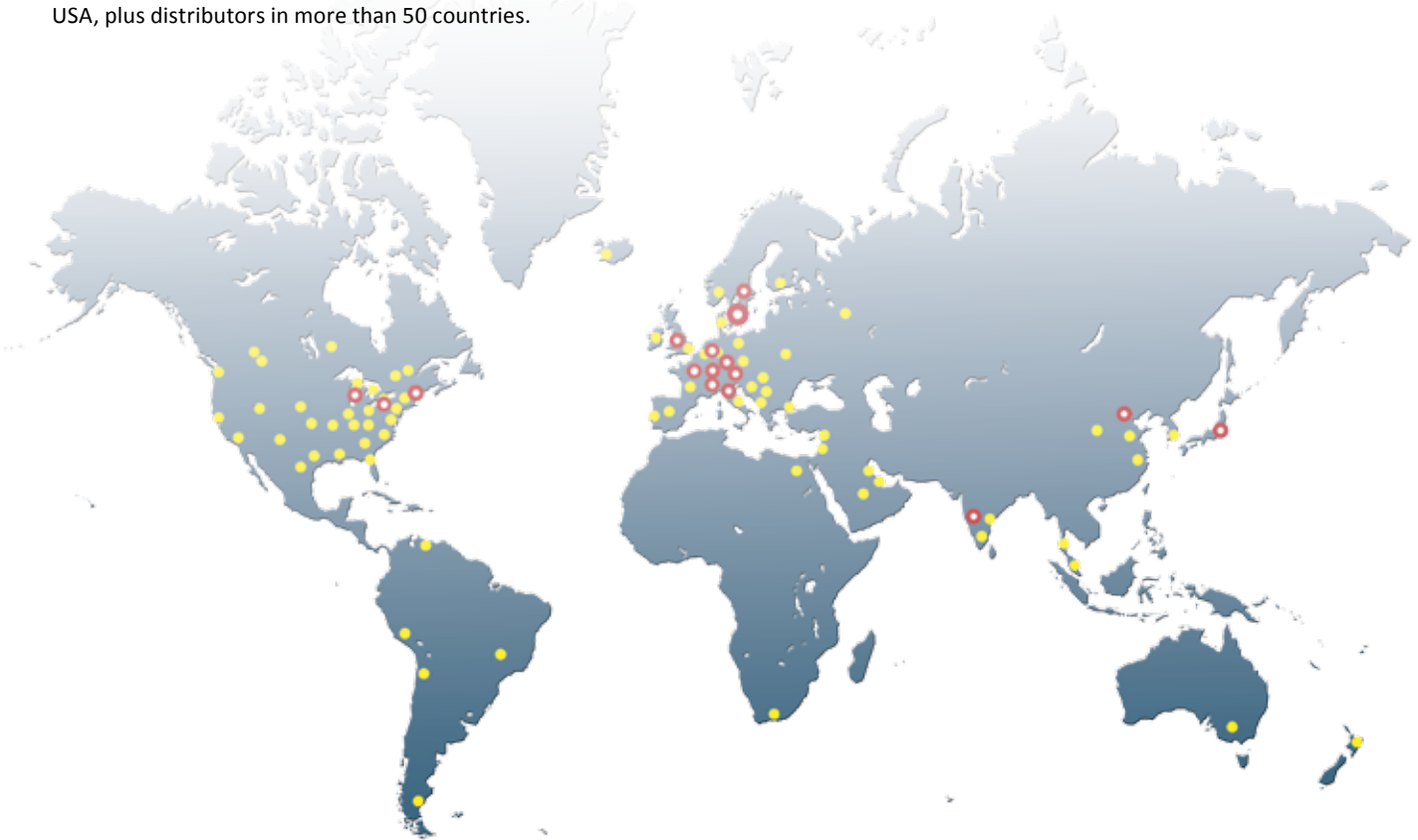
www.hms-networks.com/theconnectedmachine

HMS Industrial Networks – worldwide

HMS - Sweden (HQ)
Tel : +46 35 17 29 00
E-mail: sales@hms-networks.com

HMS - Belgium (eWON)
Tel: +32 67 895 800
E-mail: info@ewon.biz

HMS - China
Tel : +86 010 8532 3183
E-mail: cn-sales@hms-networks.com

HMS - France
Tel: +33 368 368 034 (Mulhouse office)
E-mail: fr-sales@hms-networks.com

HMS - Germany
Tel: +49 721 989777-000
E-mail: ge-sales@hms-networks.com

HMS - India
Tel: +91 83800 66578
E-mail: in-sales@hms-networks.com

HMS - Italy
Tel : +39 039 59662 27
E-mail: it-sales@hms-networks.com

HMS - Japan
Tel: +81 45 478 5340
E-mail: jp-sales@hms-networks.com

HMS - Switzerland
Tel: +41 61 511342-0
E-mail: sales@hms-networks.ch

HMS - UK
Tel: +44 1926 405599
E-mail: uk-sales@hms-networks.com

HMS - United States
Tel: +1 312 829 0601
E-mail: us-sales@hms-networks.com