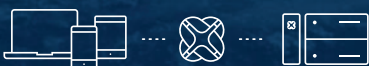




Cloud enable your machines

Easily add value to your service, reduce downtime
and boost productivity



Why connect to the cloud?



Let's face it: being a machine builder comes with a unique set of challenges. Customers demand more output and less downtime for their machines, and the ever-accelerating push for innovation requires continuous improvement.

This is where the cloud comes in. It's an easy, safe and reliable way to connect to your machines - anytime and anywhere. Isn't your time and energy better spent focusing on quality, improvements, continuity and reliability for your customers?

Easily add value to your service, reduce downtime and boost productivity.



Our mission is to create value by providing the best machine with lifetime support. IXON understands this.

Rick Smabers, COO

IHI Hauzer Techno Coating B.V





connect.ixon.co

John van Dijk
IXON B.V. Demonstration

Devices

- Assembly machines
 - Car factory
Montgomery, AL
- Energy
 - Assembly robot
Boulder City, NV
 - Photovoltaic plant
Boulder City, NV
 - Wind turbine
Ely, NV
- No category
 - UltraPack dispenser**
Nestlé France
- Other
 - Food packaging machine
Peoria, IL
 - Packaging machine
CO:D3:91:31:BE:CD - 16055708
- Sorting lines
 - Electrical equipment generators
Austin, MN

UltraPack dispenser

INFO CONFIG SERVICES APPS ACCESS

C0:D3:91:31:45:4B - 16055319

Nestlé France

IXrouter 2.1 Firmware 2.4 Paris, Frankrijk

Online VPN address 10.3.6.7

VPN

CONNECT

Operator Panel

VIEW (VNC)

Siemens PLC

DIAGNOSTIC WEBPAGE

Latest events

- UltraPack dispenser connected to IXON RSC server FR01 a few seconds ago
- UltraPack dispenser downloaded its OpenVPN configuration file from IXON RSC server FR01 a few seconds ago





A future-proof service portal

At IXON, we believe in the power of all-in-one solutions. So we developed one. Future-proof your business by accessing all your most valuable insights in one place. Deliver remote service, monitor your machines, set up alerts and create high-end data dashboards — it's all at your fingertips. The cloud-based IXON Cloud automatically updates to the latest version each time you login, so you can rest assured knowing that you'll never miss out on the latest innovations.





“

We take cloud security seriously and need a future-proof solution, but at the same time we need to focus on building our machines. That's why we chose IXON.

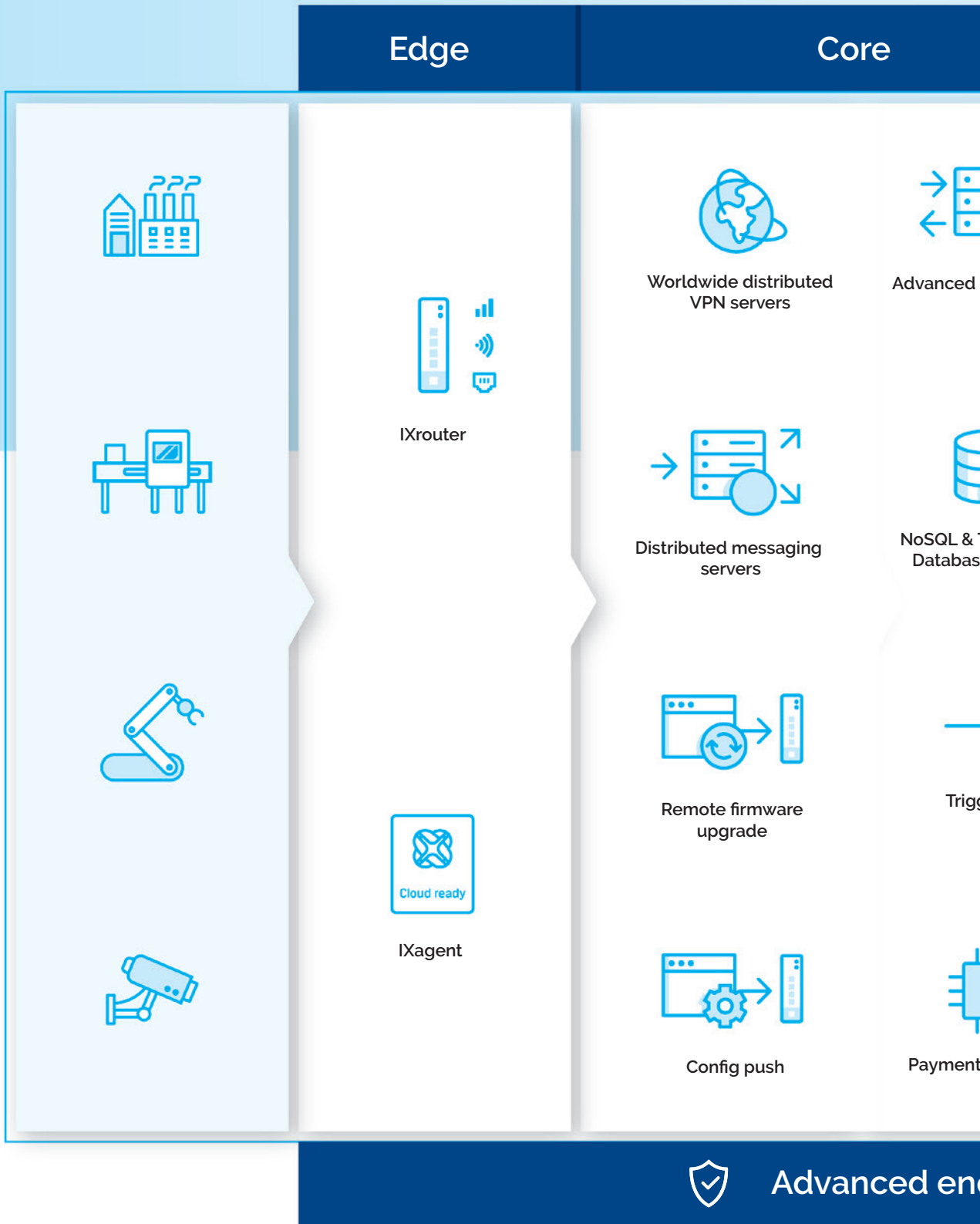
”

Thimo Schulze, IT & Application Development

Füll Dispensing Systems



Explore the all-in-one



IXON Cloud

Applications



proxy servers



Transparent VPN connection



Clientless Access



Time-series
Data Clusters



Data reports



Live monitor



Triggers



Messaging & Alerting



IXON API



Processor



User & Device Management



Authentication & Authorization



Encryption technologies



Cloud Access

Requiring software clients to access your machines is a thing of the past. The IXON Cloud lets you easily view your HMIs and webpages with the push of a button. Even your customers are able to effortlessly access their machines. The IXON Cloud uses advanced proxy technology to provide revolutionary webVNC and webHTTP(S) functionalities. Remotely connect to your machine from anywhere – even on your phone or tablet.



On IXON's IXON Cloud our customers receive real-time management information and remote control to their business critical water treatment system.

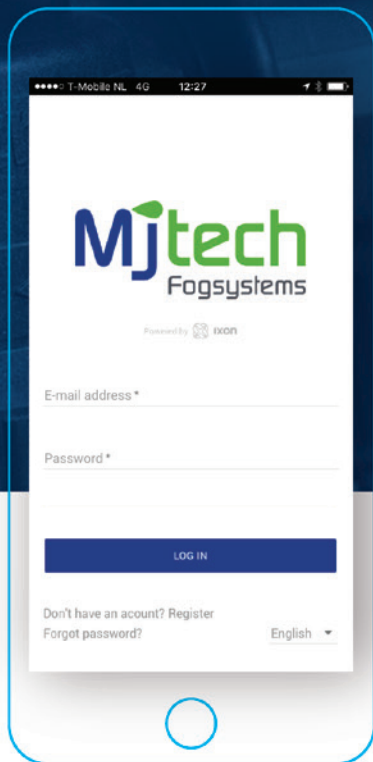
Bert Stek, COO

WaterIQ International



Continue building your brand in the cloud

We understand the value of your brand. That's why we offer white labelling for the IXON Cloud. Use your own logo and company colours to extend your branding to your cloud solution.



Our customers experience the cloud environment as if we engineered it ourselves. They are faced with our company brand every day, even after we deliver their machine.

Ruud van Asperen, CEO
MJtech



Data logging in the cloud

Every aspect of the IXON Cloud is designed to help you gain insight into your machines. Turn on IXON Cloud logging to create stunning dashboards and monitors. Use your computer, smartphone or tablet to stay up to date on your machine. With your data stored on high-availability database clusters, you can be confident that it's secure and available whenever you need it.



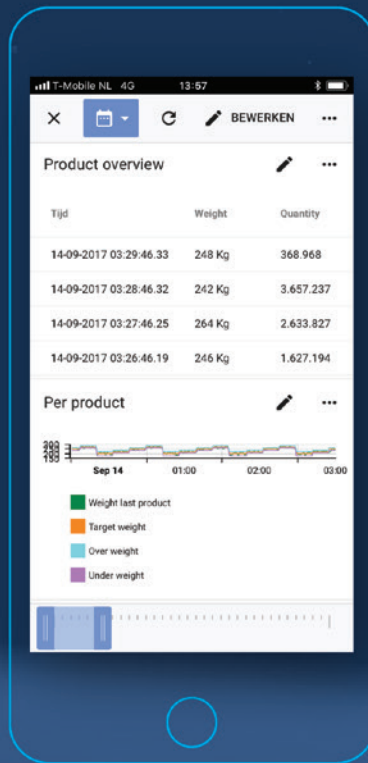
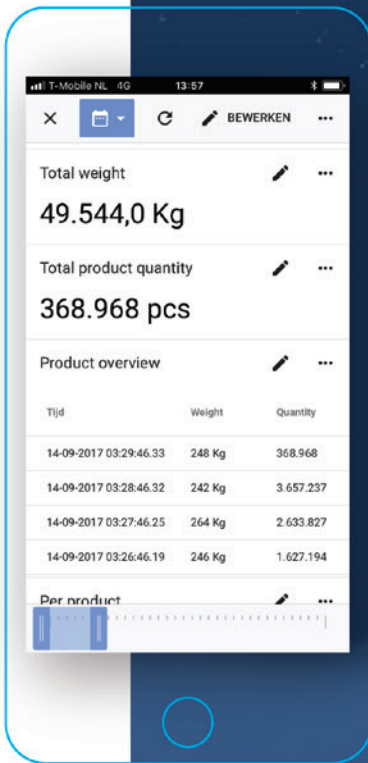
With IXON Cloud Logging we easily created added value for our customers.

Niels Hofstede, Mechanical Engineer

Romédes Specials



Gain in-depth knowledge into your machines.



Create your own stunning dashboards

1

Configure your tags

Choose your protocol and define your tags, intervals and retention policies

2

Push your settings

Push the newly configured settings to the IXrouter.

3

Create your dashboard

Drag and drop widgets such as charts, tables and formulas.



Simple license model

Pay for the amount of samples you log in the cloud.
Standard **1.000**, **5.000** and **20.000** samples/hour.



Historical view

View your historical data.
Store your data for up to
7 years at no extra cost.



High resolution

Choose your preferred interval.
Log data to the cloud as fast as
20 samples per second.



Supported protocols

Log data from your PLCs using
OPC-UA, Modbus, Siemens or
Ethernet/IP protocol.



Live monitor

Your IXrouter automatically
starts streaming real-time data
when you open the live monitor.



API Connector

Open to 3rd party BI tools
using the API connector and
CSV export.



Notifications




Receive instant alerts and
notifications when certain
thresholds are triggered.

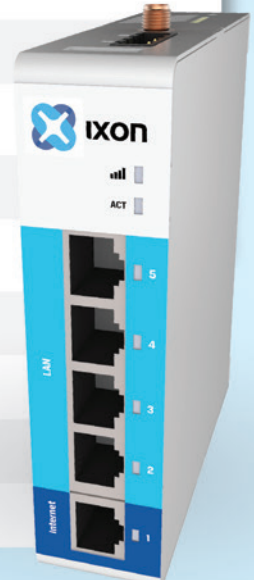


IXrouter

Designed specifically for the IXON Cloud, the IXrouter is the hardware that connects your machine to the cloud. We offer several models for a variety of Internet connections: Ethernet, Wi-Fi or LTE.

- ✓ World's most compact industrial router
- ✓ Easily configured
- ✓ IXON Cloud access included

IXrouter 3	Ethernet	4G Global	Wi-Fi	4G Global & Wi-Fi
Article no.	IX2400	IX2405	IX2410	IX2415
Wifi 802.11b/g/n			Client and AP mode	Client and AP mode
Frequency bands		LTE: B1 / B2 / B3 / B4 / B5 B7 / B8 / B12 / B13 / B18 B19 / B20 / B25 / B26 B28 / B38 / B39 / B40 / B41 3G: B1 / B2 / B4 B5 / B6 / B8 / B19		LTE: B1 / B2 / B3 / B4 / B5 B7 / B8 / B12 / B13 / B18 B19 / B20 / B25 / B26 B28 / B38 / B39 / B40 / B41 3G: B1 / B2 / B4 B5 / B6 / B8 / B19
Ports	5x GbE (4x LAN, 1x WAN), 1x USB2.0			
Power supply	12-24 VDC +/- 20% LPS			
Temp. range	-20°C to 65°C			
Dimensions	111 x 95 x 28mm			
Physical specs	Metal case, IP20, DIN rail mountable			
Certifications	  			
Warranty	2 years			
IXON Cloud	Lifetime access included			



Find out more about antennas and other accessories at www.ixon.cloud

IXagent embedded

OEMs have the option to embed the IXagent into their PLCs and controllers. Use the integrated IXagent software to get all the benefits of the IXON Cloud without any additional hardware. Enjoy easy installation and save on costs.

- ✓ Cross-platform support (Linux, Windows)
- ✓ Easy registration to the IXON Cloud
- ✓ API's for custom integration



We integrated the IXagent in our flagship product, the new Atlas, in just a few days. Now our customers can remotely access our Profinet analyser without additional hardware.



Matthew Dulcey, Salesmanager

Procentec

Supported hardware

PROCENTEC

SIGMATEK

KUHNKE

B⁰ BERGHOF

OPTION
WIRELESS TECHNOLOGY

WAGO

Security is key

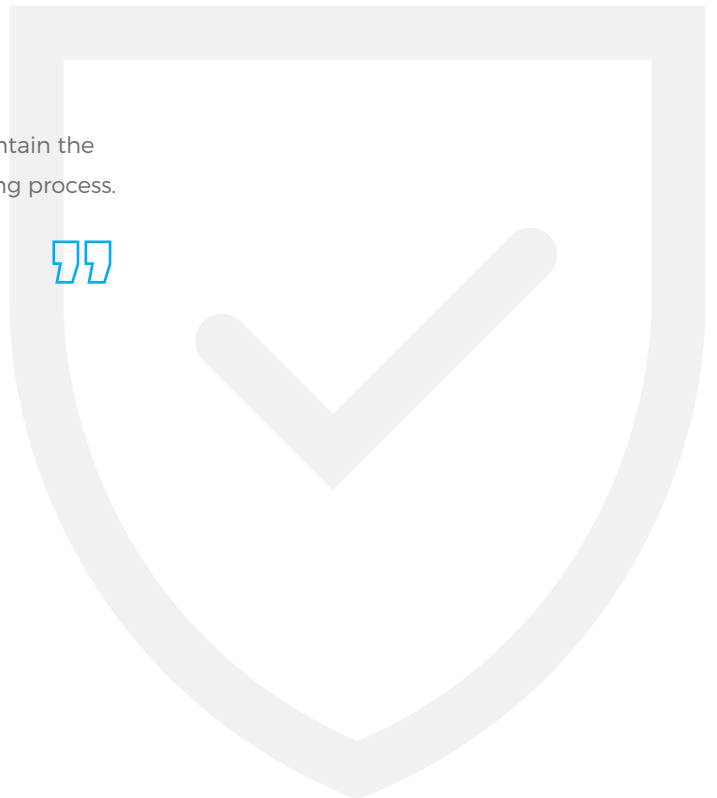
As a machine builder, your main priority is to engineer the highest quality machines. But you must also ensure you have the best available security measures in place. Keeping up to speed with security means always being confident that your data is safe.



My responsibility is to continuously improve and maintain the secure status of the IXON Cloud. Security is an ongoing process.

Dylan Eikelenboom, Security Officer

IXON





User management

Invite colleagues and customers with all the right permissions.



Audits

Regular 3rd party audits of the IXON Cloud.



Two-key authentication

More secure login with smartphone identity verification.



Centralized logging

Forensic research capabilities in case of a security incident.



Audit trail

Detailed insights into all users' actions.



24/7 Monitoring

Server health monitored 24/7 by IXON cloud experts.



Certified data centres

Hosted in ISO-27001 certified datacentres.



99.9% uptime

Guaranteed uptime with our SLA.

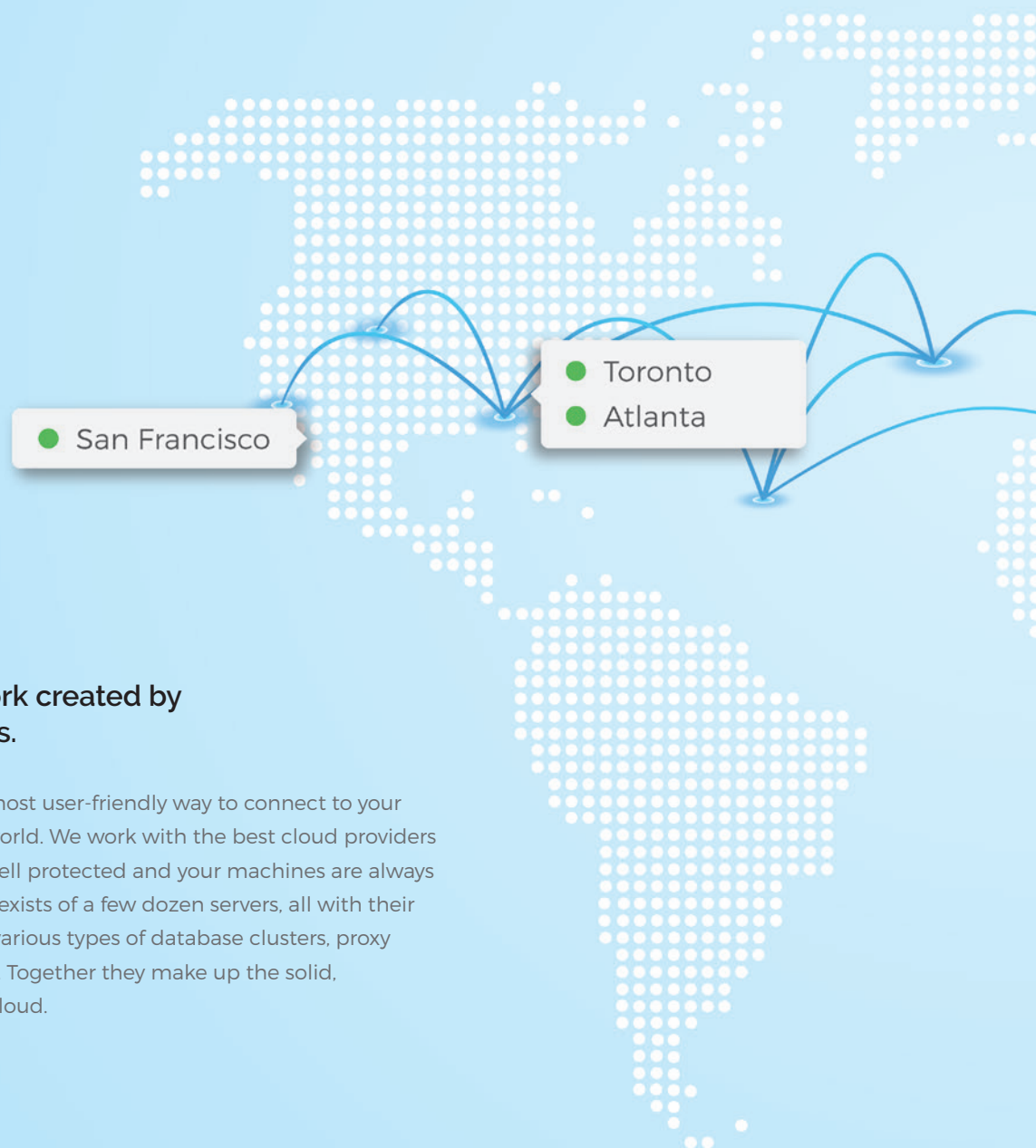


Vulnerability scans

3rd party vulnerability scans by Trustwave.



Globally connected IXON Cloud



A powerful network created by expert developers.

The IXON Cloud is the most user-friendly way to connect to your machines around the world. We work with the best cloud providers to ensure your data is well protected and your machines are always online. The IXON Cloud exists of a few dozen servers, all with their own tasks: webservers, various types of database clusters, proxy servers and VPN servers. Together they make up the solid, reliable and fast IXON Cloud.

A global network of

25+ servers

Devices across

70+ countries





www.ixon.cloud