IXON

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.

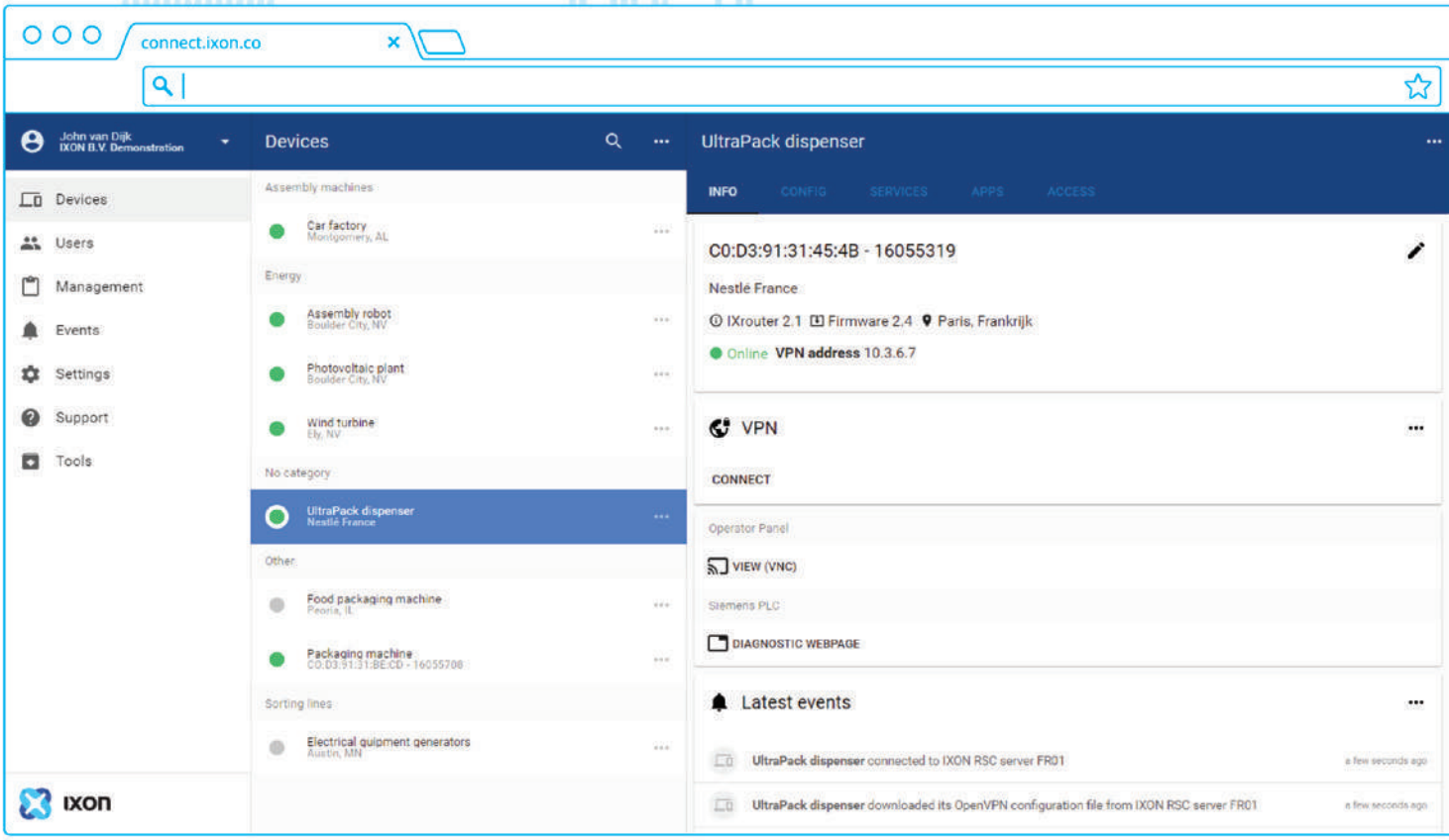
This is where the cloud comes in. It's an easy, safe and reliable way to connect to your machines - anytime and anywhere. Isn’t your time and energy better spent focusing on quality, improvements, continuity and reliability for your customers?

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

IXON
LAN
USB
Internet


connect.ixon.co
John van Dijk
IXON B.V. Demonstration
Devices
Users
Management
Events
Settings
Support
Tools
IXON
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
C0: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

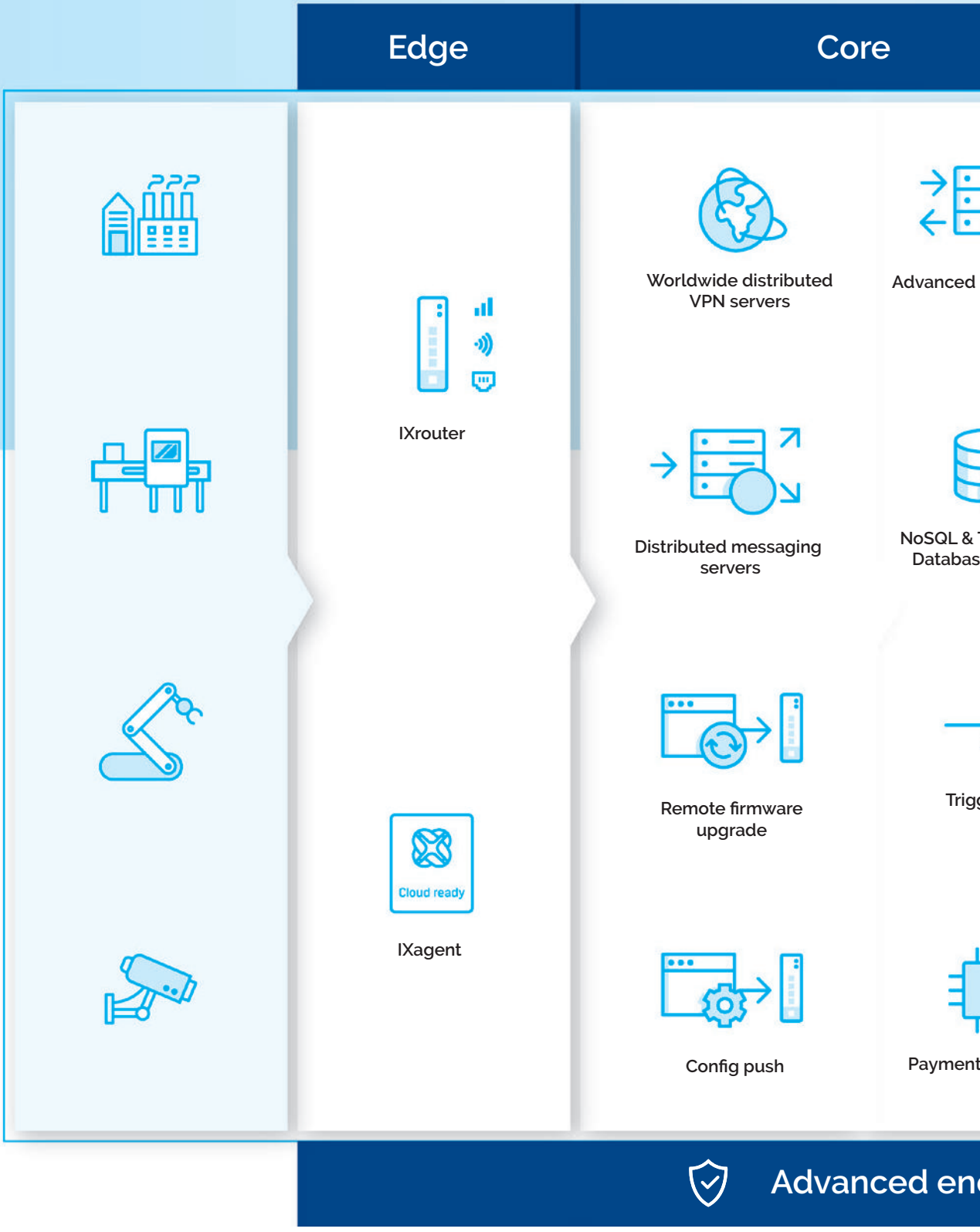
A future-proof service portal

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 IXplatform 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



IXplatform

Applications

proxy servers

Transparant VPN connection

Clientless Acces

Time-series
e Clusters

Data reports

Live monitor

gers

Messaging & Alerting

IXON API

processor

User & Device Management

Authentication & Authorization

cryption technologies

Cloud Access

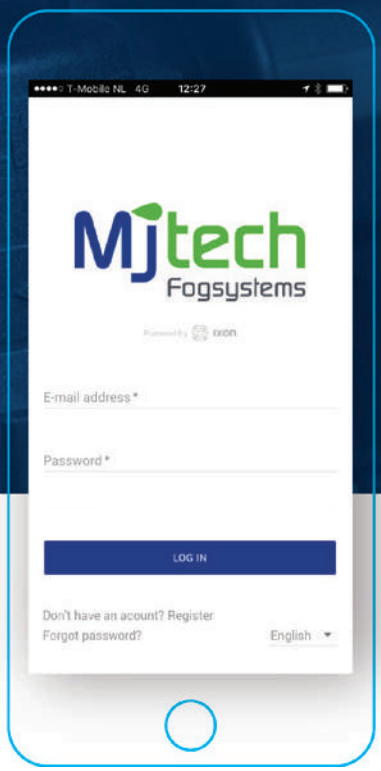
Requiring software clients to access your machines is a thing of the past. The IXplatform lets you easily view your HMIs and webpages with the push of a button. Even your customers are able to effortlessly access their machines. The IXplatform uses advanced proxy technology to provide revolutionary webVNC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

On IXON's IXplatform 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 IXplatform. 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

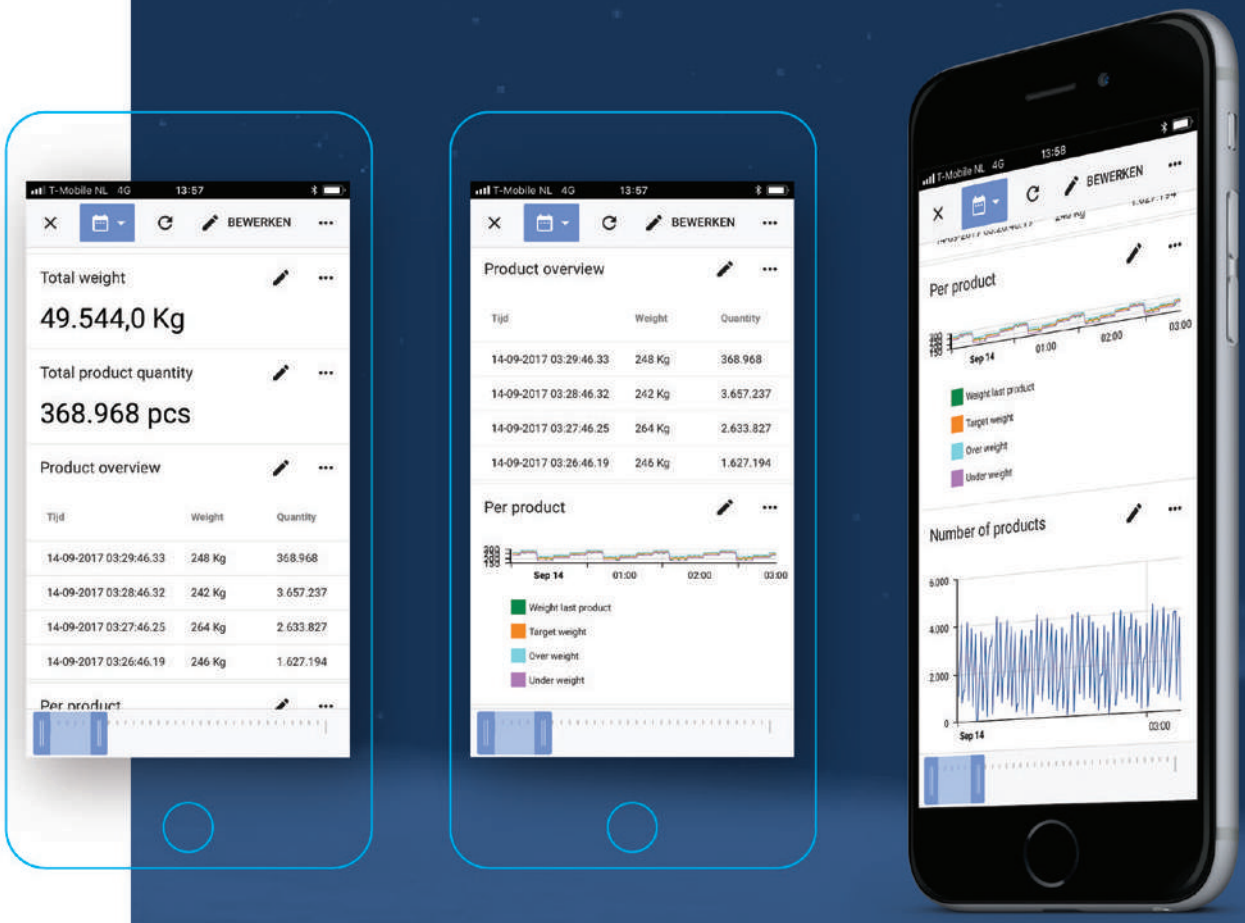
Data logging in the cloud

Every aspect of the IXplatform 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 IXplatform, 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
- IXplatform access included

	Ethernet	WIFI	3G	4G-E	4G-A	4G-C	4G-E & WIFI
Article no.	IX2400	IX2410	IX2401	IX2402	IX2403	IX2404	IX2412
Wifi 802. 11b/g/n		Client and AP mode					Client and AP mode
Mobiele data			Penta band UMTS 800 / 850 / 900 / 1900 / 2100MHz GSM 850 / 900 / 1800 / 1900MHz	LTE: B1 / B3/ B5 / B7 / D8/ B20 / B38 / B40 / B41 3G: B1 / B5 / B8	LTE: B2 / B4/ B12 3G: B2 / B4 / B5	LTE: B1 / B3 / B5 / B8 / B34 / B38 / B39 B40 / B41 3G: B1 / B8	LTE: B1 / B3 / B5 / B7 / B8 B20 / B38 B40 / B41 3G: B1 / B5 / B8
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	c UL us E492721 CE FC PTCRB AT&T Network Ready Device						
Warrenty	2 years						
IXplatform	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 IXplatform without any additional hardware. Enjoy easy installation and save on costs.

- Cross-platform support (Linux, Windows)
- Eeasy registration to the IXplatform
- 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 · BERGHOF · OPTION · 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 IXplatform. Security is an ongoing process.

Dylan Eikelenboom, Security Officer
IXON

User management

Invite colleagues and customers with all the right permissions.

Two-key authentication

More secure login with smartphone identity verification.

Audit trail

Detailed insights into all users' actions.

Certified data centres

Hosted in ISO-27001 certified datacentres.

Audits

Regular 3rd party audits of the IXplatform.

Centralized logging

Forensic research capabilities in case of a security incident.

24/7 Monitoring

Server health monitored 24/7 by IXON cloud experts.

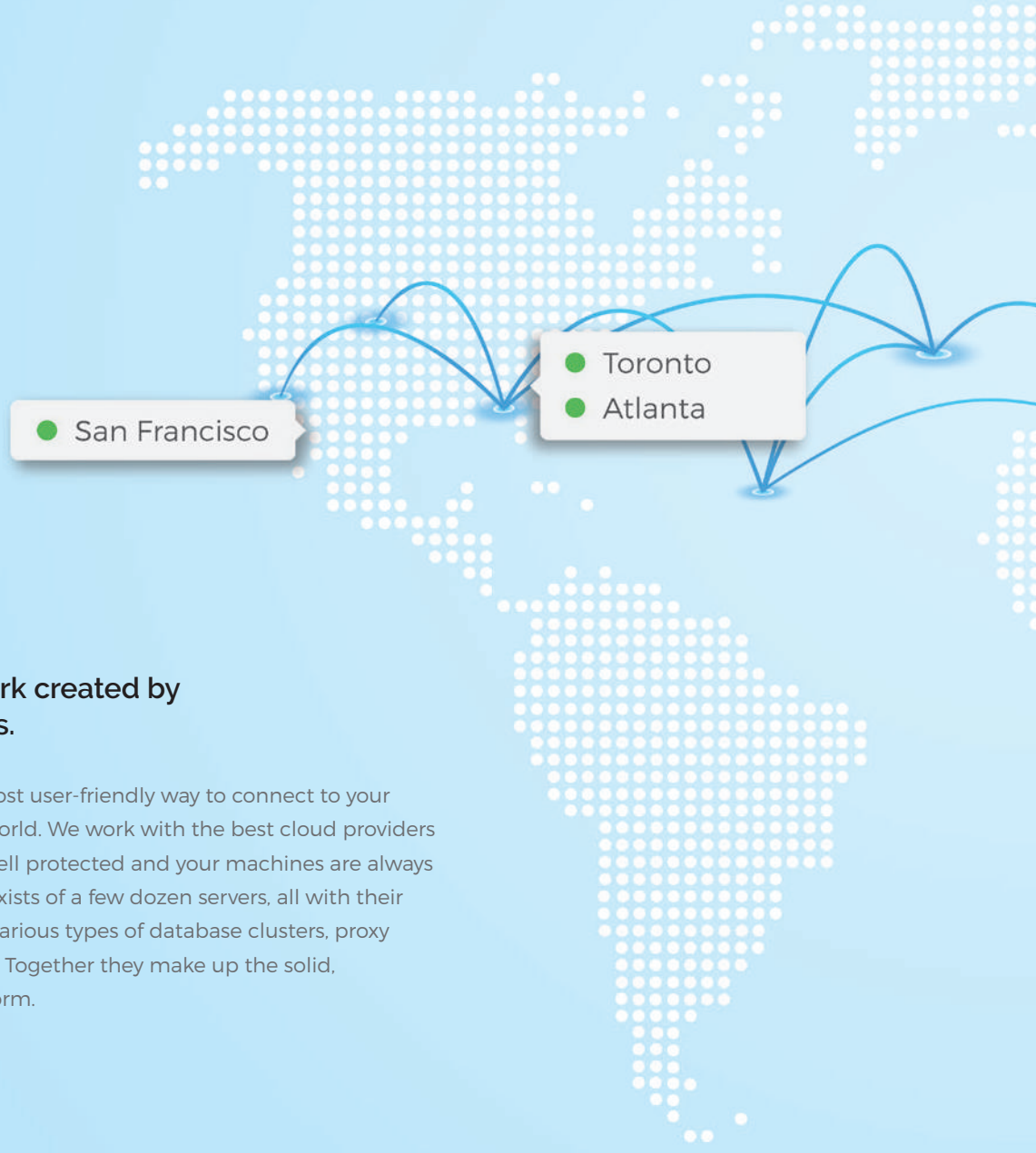
99,9% uptime

Guaranteed uptime with our SLA.

Vulnerability scans

3rd party vulnerability scans by Trustwave.

Globally connected IXplatform



A powerful network created by expert developers.

The IXplatform 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 IXplatform 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 IXplatform.

Hosted in ISO-27001 certified datacentres monitored 24/7 by IXON cloud experts. All IXplatform services are redundant.

A global network of

25+ servers

Devices across

70+ countries

www.ixon.cloud