Lenze

Lenze X4 Remote

Remote service in the cloud as easy as that.

X4 remote

RDY

INTERNET | LAN

Lenze
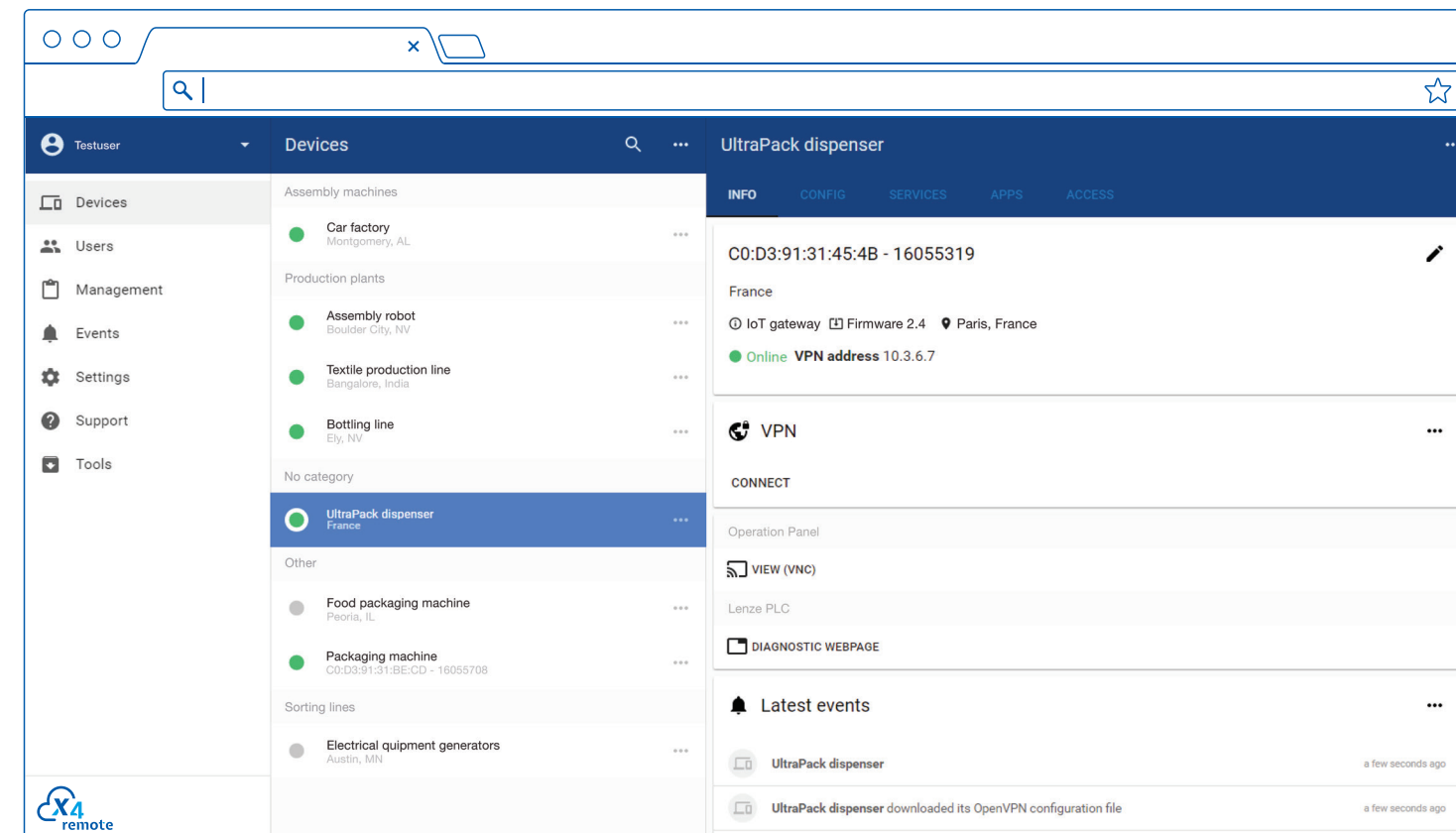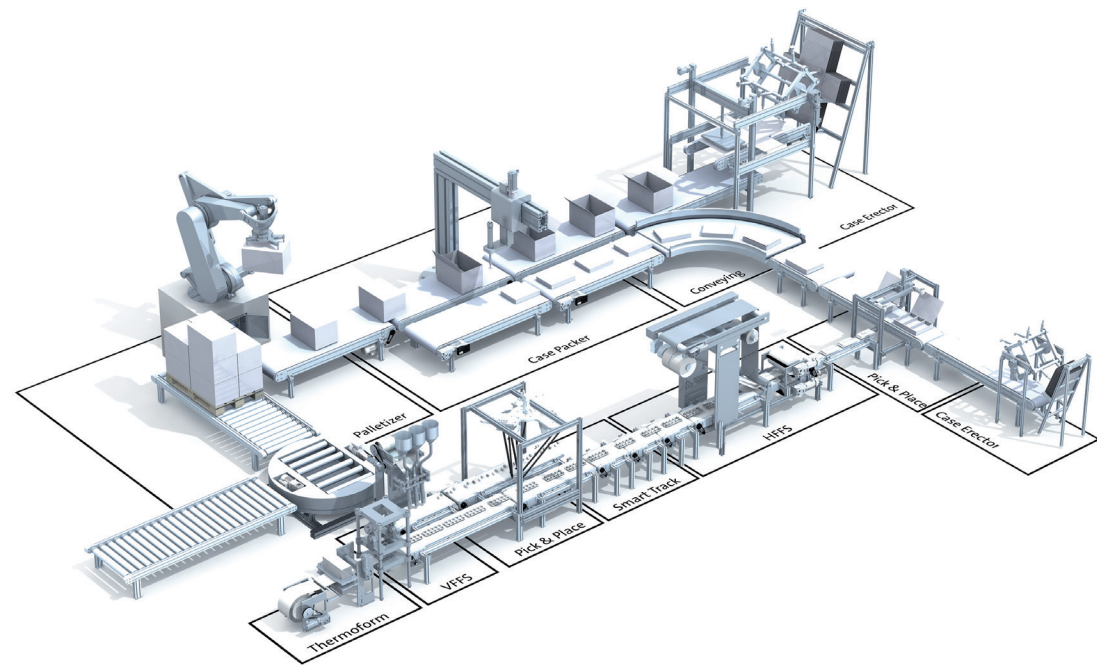Hans-Lenze-Str. 1
D-31855 Aerzen
x520

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Why digitize your service and bring your machines to the cloud?

We at Lenze know: Machine and plant construction has its own challenges. Because customers are demanding ever more flexible machines with more productivity and less downtime at the same time.

This is precisely why remote services can be an efficient solution and a considerable source of revenue for machine manufacturers. They offer a simple, safe and reliable way of

establishing connections to your machines – anytime, anywhere. With Lenze x4 Remote, we offer you an integrated and ready-to-use solution which is so simple that any machine manufacturer can set it up and configure it independently.

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

A future-proof service portal

Lenze believes in the power of integrated solutions. That is why we have developed one.

Make your company fit for the future by accessing all your most valuable insights in one place. Offer remote maintenance, monitor your machines, set up alerts and create meaningful data dashboards – all with a few clicks.
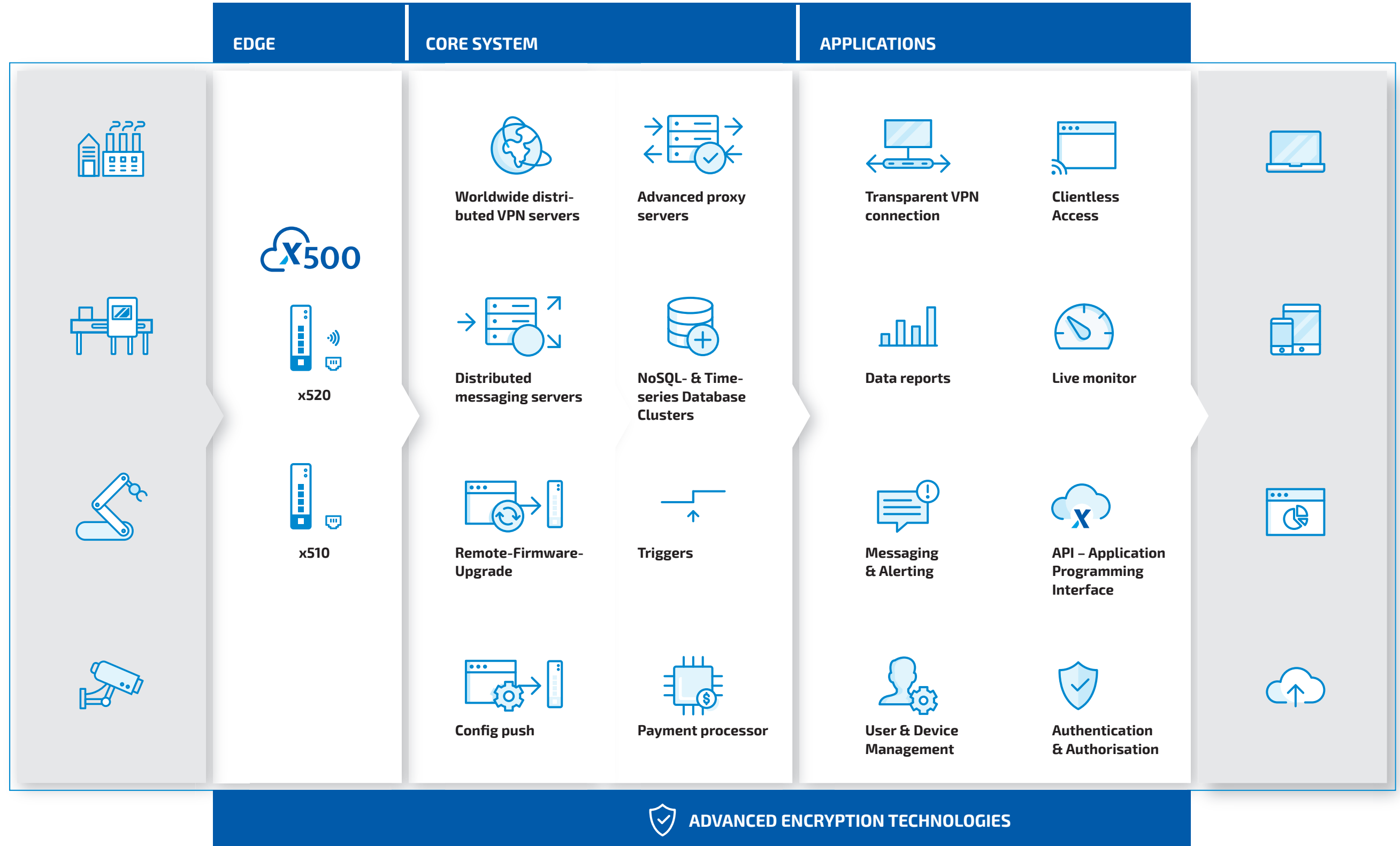
Lenze's cloud-based portal automatically updates to the latest version every time you login. So you can be sure you'll never miss out on innovation.

Get to know Lenze X4 Remote.

The integrated solution for cloud-based remote services

EDGE	CORE SYSTEM		APPLICATIONS	

X500

x520

x510

Worldwide distri-buted VPN servers

Advanced proxy servers

Distributed messaging servers

NoSQL- & Time-series Database Clusters

Remote-Firmware-Upgrade

Triggers

Config push

Payment processor

Transparent VPN connection

Clientless Access

Data reports

Live monitor

Messaging & Alerting

API – Application Programming Interface

User & Device Management

Authentication & Authorisation

ADVANCED ENCRYPTION TECHNOLOGIES

Data logging in the cloud

Get detailed knowledge about your machines

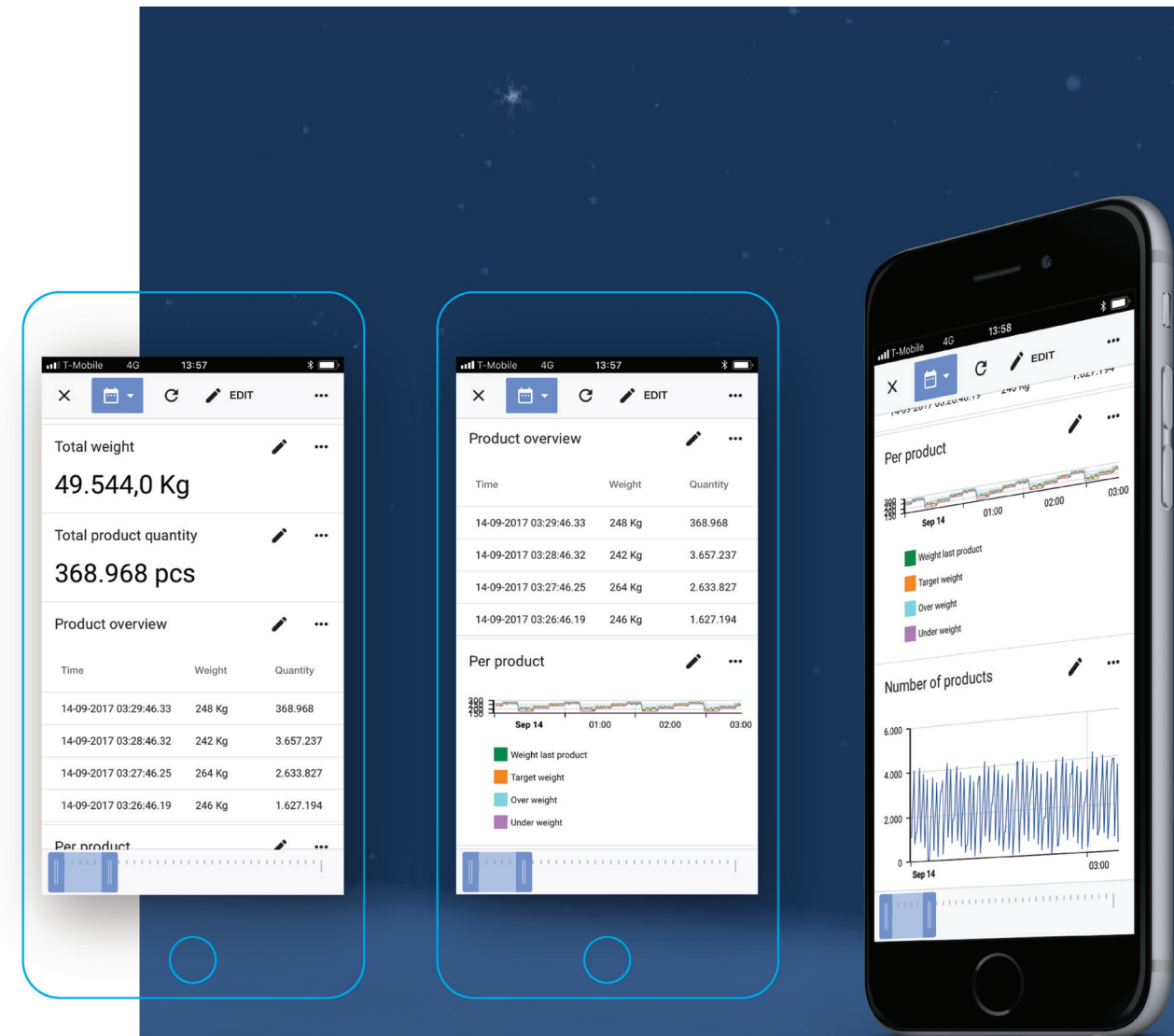The cloud-based Lenze portal is designed to give you comprehensive insight into your machines.

Enable the cloud-based data logging application to create meaningful dashboards and monitoring.

Use your computer, smartphone, or tablet to stay up to date on your machine.

With your data stored in high-availability database clusters, you can rest assured it's secure and available when you need it.

Create your own meaningful dashboards

① Configure your tags

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

② Transfer your settings

Push the currently configured settings to your Lenze IoT Gateway.

③ Create Dashboards

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

Simple licensing model

Pay for the amount of values you log in the cloud. Our standard service packages include **1,000**, **5,000** or **20,000** values per hour.

Historical view

Save your data for up to seven years at no extra cost.

High resolution

Choose your preferred interval. Log data in the cloud as fast as 20 readings per second.

Supported protocols

Log data from your PLC using the OPC UA, Modbus, Siemens or Ethernet/IP protocols.

Live Monitoring

Once you open Live Monitoring, your IoT Gateway automatically starts streaming real-time data.

API Connector

Open to third-party BI tools using the API Connector and CSV export.

Notifications

Receive instant alerts and notifications when certain thresholds are triggered.

Lenze x500

The IoT gateways x510 and x520 are specially designed for the cloud-based Lenze portal.

They are the hardware that connects your machine to the cloud. We offer several models for different Internet connections: Ethernet, Wi-Fi, …

✓ Extremely compact industrial router

✓ Easy to configure

✓ Access to cloud-based Lenze portal included

X500	ETHERNET	WI-FI
Type	x510	x520
Wifi 802. 11b/g/n		Client and AP mode
Ports	5x GbE (4x LAN, 1x WAN), 1x USB 2.0	
Power supply	12–24 VDC +/- 20% LPS	
Temp. range	-20 to 65°C	
Dimensions	111 x 95 x 28 mm	
Physical specs	Metal housing, IP20, DIN rail mountable	
Certifications	cULus E492721 CE FC PTCRB AT&T Network Ready Device	
Warranty	2 years	
X4 Remote portal	Lifetime access included	

applications
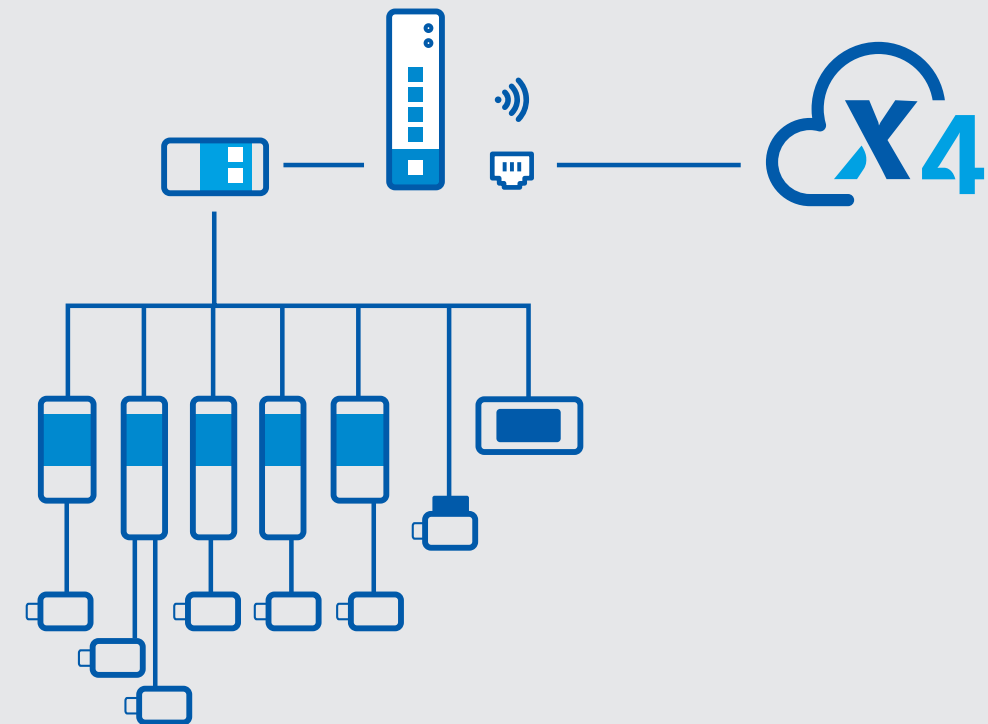
Lenze X4 Remote is the ideal basis for making your machine fit for the cloud and thus significantly more competitive.

Machine diagnosis is now possible from anywhere. According to the ideas of machine manufacturers or end customers. As easy as that.

Application examples:

✓ Packaging machines

✓ Textile machinery

✓ Printing machines

✓ Intralogistics

and many more

Security is the key

As a machine manufacturer, your main priority is to engineer highest quality machines.

However, you must also ensure the best available security measures in place.

Keeping up-to-date with security precautions means always being confident that your data is safe.

User management
Invite colleagues and customers with all the right permissions.

Audits
Regular 3rd party audits of the cloud platform.

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
Cloud experts monitor server health 24/7.

Certified data centers
Hosted in ISO 27001 certified data centers.

99,9% uptime
Guaranteed uptime with our service level agreement.

Vulnerability Scans
3rd party vulnerability scans by Trustwave.

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