acirro⁺

Get insights from the cloud with acirro⁺

BeiJer
ELECTRONICS
People & Technology. Connected.

Get insights from the cloud with acirro+

Move your machine data to the cloud with our fully IIoT ready X2 HMIs and BoX2 devices, and gain insights to streamline operations.

If you are a Maker of Things, a machine builder or a provider of other technical equipment, your business runs on data. Data that can tell when your machines are running efficiently and indicate when you need to introduce maintenance or other measures.

The threshold to accelerating into digital has never been lower than now, closing the gap between OT and IT.

Our X2* HMIs and BoX2* devices are now IIoT ready by standard and fully prepared to enable you to move your machine data to the cloud.

Easily set up a secure cloud connection and begin moving machine data to the cloud using our acirro+ IIoT platform. The solution is easy to implement without needing to rewire your existing installation or re-program an existing application.

Viewing machine data in visual dashboards gives you a great overview and provides insights to streamline your machine's operation, creating new business opportunities.

ACCELERATE TO DIGITAL NOW!

IIoT connectivity are introduced successively. Please check actual status on our web site.

Simple installation and full connectivity

No re-wiring or re-programming required

Getting your data to the cloud has never been simpler and more secure. Without any need to re-wire your existing application or re-programming the controller in your application. Simply use one of the new X2 panels or BoX2 gateways. Go to SmartStore, buy a subscription and activate the device. Make sure to have the latest software versions of iX and WARP. Define the data you want to upload to cloud, set transfer intervals and resolution. And your data will start streaming.

Connects to all automation brands

Communicate with hundreds of different unique PLCs and automation equipment from all major manufacturers through an extensive driver list. This enables X2 HMIs and BoX2 gateways to access all the vital data hidden in your machines or facility and send it to the cloud.
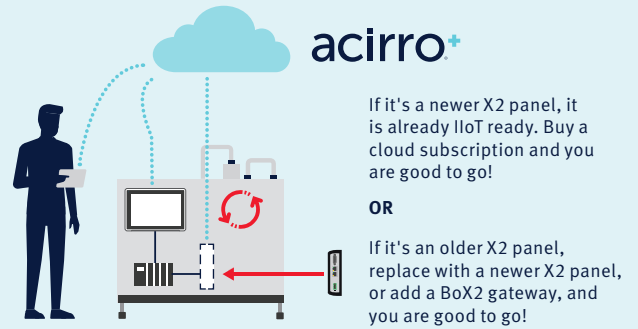
WHAT IS YOUR CASE?

No matter what, you can find a smart solution to start digitalization!

New machine
Introduce X2 operator communication

Install a X2 operator panel for operator communication and you are good to go!
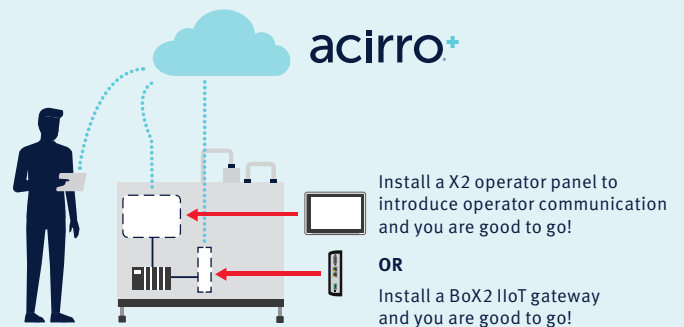
OR

If you don't need an X2 operator panel, install a BoX2 IIoT gateway and you are good to go!

Retrofit
Machine with existing X2 operator panel

If it's a newer X2 panel, it is already IIoT ready. Buy a cloud subscription and you are good to go!

OR

If it's an older X2 panel, replace with a newer X2 panel, or add a BoX2 gateway, and you are good to go!

Solutions designed for tough industrial, marine and hazardous environments

Retrofit
Machine with existing 3rd party panel

Install a BoX2 IIoT gateway and you are good to go!

Retrofit
Machine without operator panel

Install a X2 operator panel to introduce operator communication and you are good to go!

OR

Install a BoX2 IIoT gateway and you are good to go!

The safe and secure IIoT solution

Securely transmitted data
Your machine data is securely transmitted to the Beijer Electronics cloud using bank-level security SSL/TLS encryption.

No unauthorized access
All communication from devices to the cloud is outbound. Devices are never visible on the public internet, minimizing the risk of unauthorized access.
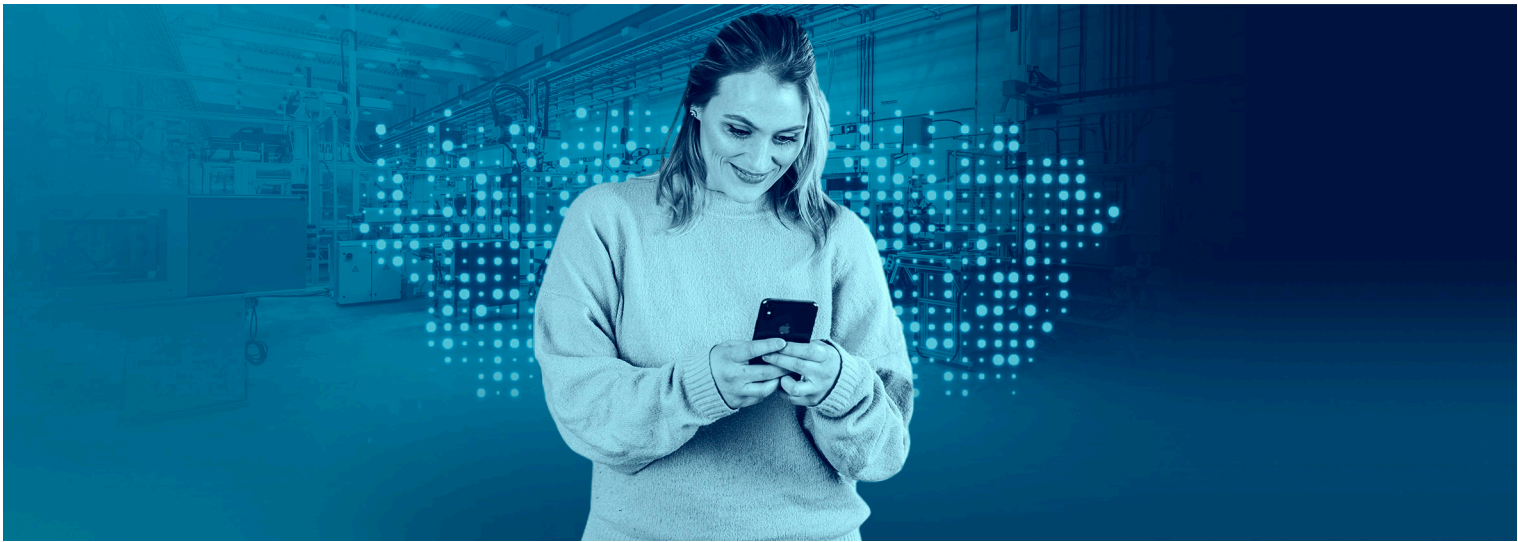
Identified devices only
All X2 HMIs and BoX2 gateways have an X.509 standard certificate tied to their serial number. Each device has a traceable, unique identity to identify just your devices in the cloud.

Safe hosting
All data is hosted on Microsoft Azure with highly secure administration of organization, users devices, device groups, cloud tags, etc. via acirro+.
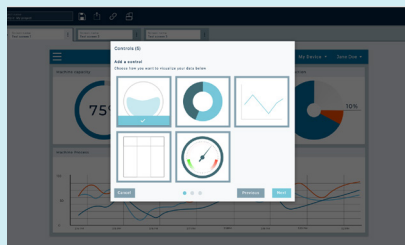
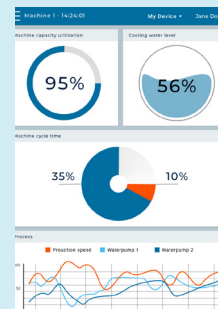# Check machine performance anytime. Anywhere.

With your data securely stored in the cloud you can create visual dashboards that combine different data sources, no matter how simple or complex, into a single view including bar graphs, pie charts, etc. You and your customers can view key performance indicators from your machines in real or near-real time using the runtime dashboard.

Dashboards are ready to run as mobile and tablet applications.

Use simple widgets and templates to build dashboards including bar graphs, pie charts, etc.

View key performance indicators from your machine in real or near-real time using runtime dashboards.

Dashboards for a great overview

Easy visualization
Use widgets and templates to easily build dashboards including bar graphs, pie charts and more.

Cloud-based and mobile ready
Dashboards draw data from the cloud and present them on mobile, pc or tablet platforms.

Complex data visualized
Consolidate complex data across similar machines and visualize them in acirro+ dashboards for great overview.
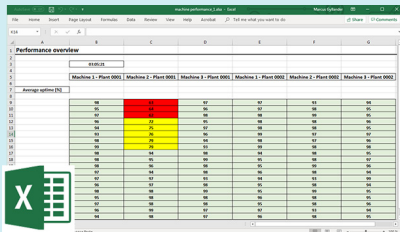
Real-time data feeds
View key performance indicators from your machine in real or near-real time using runtime dashboards.
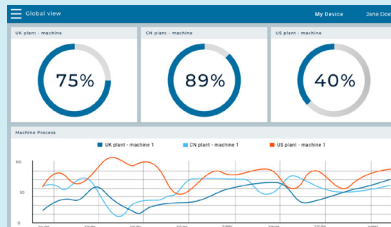
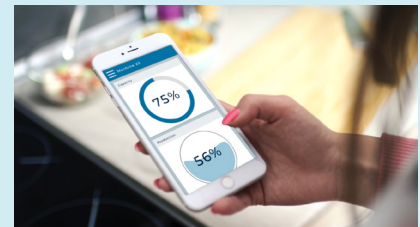# New insights and business opportunities

Analyze and understand past events using large amounts of historical data. Diagnose outages quicker and shorten time to resolution. Understanding evolution patterns, average variations and peak data changes are essential. Historical data helps you and your customers forecast future events and act upon them. A new opportunity to improve operations.

Data transfer to Excel for simple analysis.

Data consolidated in acirro+ dashboards for simple comparison of key performance across similar machines.

Mobile dashboards configured and customized to reflect key data from a customer machine.

New insights from your machine data

All data accessible at one place
Collect data from machines, wherever located, and consolidate data it in one secure, cloud-based location.

Safe storage of data
Our cloud solution is based on Microsoft Azure where all data benefit from an enhanced level of security.
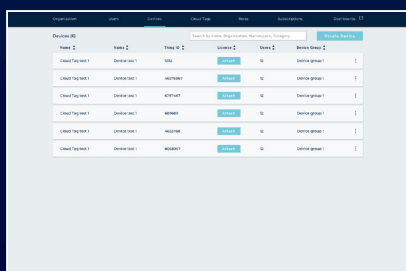
Historical data helps predict the future
Store large amounts of historical data to analyze and understand the past. And to help you to forecast future events and act upon it.
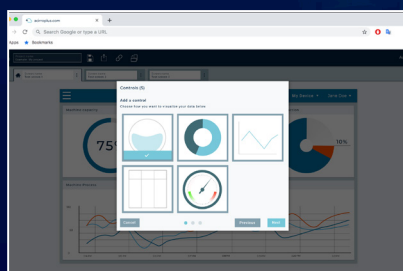
acirro+

The cloud-based IIoT platform

acirro+ is our cloud-based IIoT platform and the umbrella for all our cloud related services. From acirro+ you are able to manage the setup of devices, cloud tags, users, etc. fully tailored to your needs and requirements.
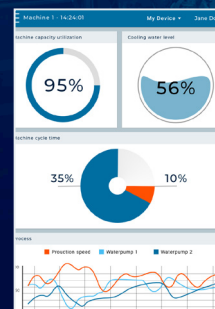
With just a few clicks you are able to create visual dashboards that combine different data sources, no matter how simple or complex, into a single view including bar graphs, pie charts, etc. reflecting your data. And by using the runtime dashboard you, or your customers, are able to view key performance indicators from your machine in real or near-real time.

The setup of devices, cloud tags, users, etc. are easily managed from acirro+.

Use simple widgets and templates to build dashboards including bar graphs, pie charts, etc.

With runtime dashboards, you and your customers, are able to view key performance indicators from your machine in real or near-real time.

Dashboards are fully ready to run as mobile and tablet applications.

Subscription for X2 HMIs or BoX2 devices are easily purchased in our Smartstore.

acirro+

THE CLOUD-BASED IIOT PLATFORM

Secure. User-friendly. Flexible.

Secure

acirro+ uses safe outbound-only device handling and Microsoft Azure's built-in security standards to keep your data safe and maintain the system integrity of your machine.

User-friendly

It's easy set up and administer tags, transfer intervals, etc. Buying certificates via our Smartstore is simple, and you can quickly create dashboards using the acirro+ dashboard designer.

Flexible

acirro+ has an intuitive, open user interface, making it easy to implement, modify and scale the solution to your requirements.

About Beijer Electronics

Beijer Electronics is a multinational, cross-industry innovator that connects people and technologies to optimize processes for business-critical applications. Our offer includes operator communication, automation solutions, digitalization, display solutions and support. As experts in user-friendly software, hardware and services for the Industrial Internet of Things, we empower you to meet your challenges through leading-edge solutions.

Beijer Electronics is a Beijer Group company. Beijer Group has a sale over 1.4 billion SEK in 2018 and is listed on the NASDAQ OMX Nordic Stockholm Small Cap list under the ticker BELE. www.beijergroup.com

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Paris	Göteborg	Nottingham
	Jönköping	
GERMANY	Malmö	**USA**
Nürtingen	Stockholm	Salt Lake City

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