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Cervello Stem

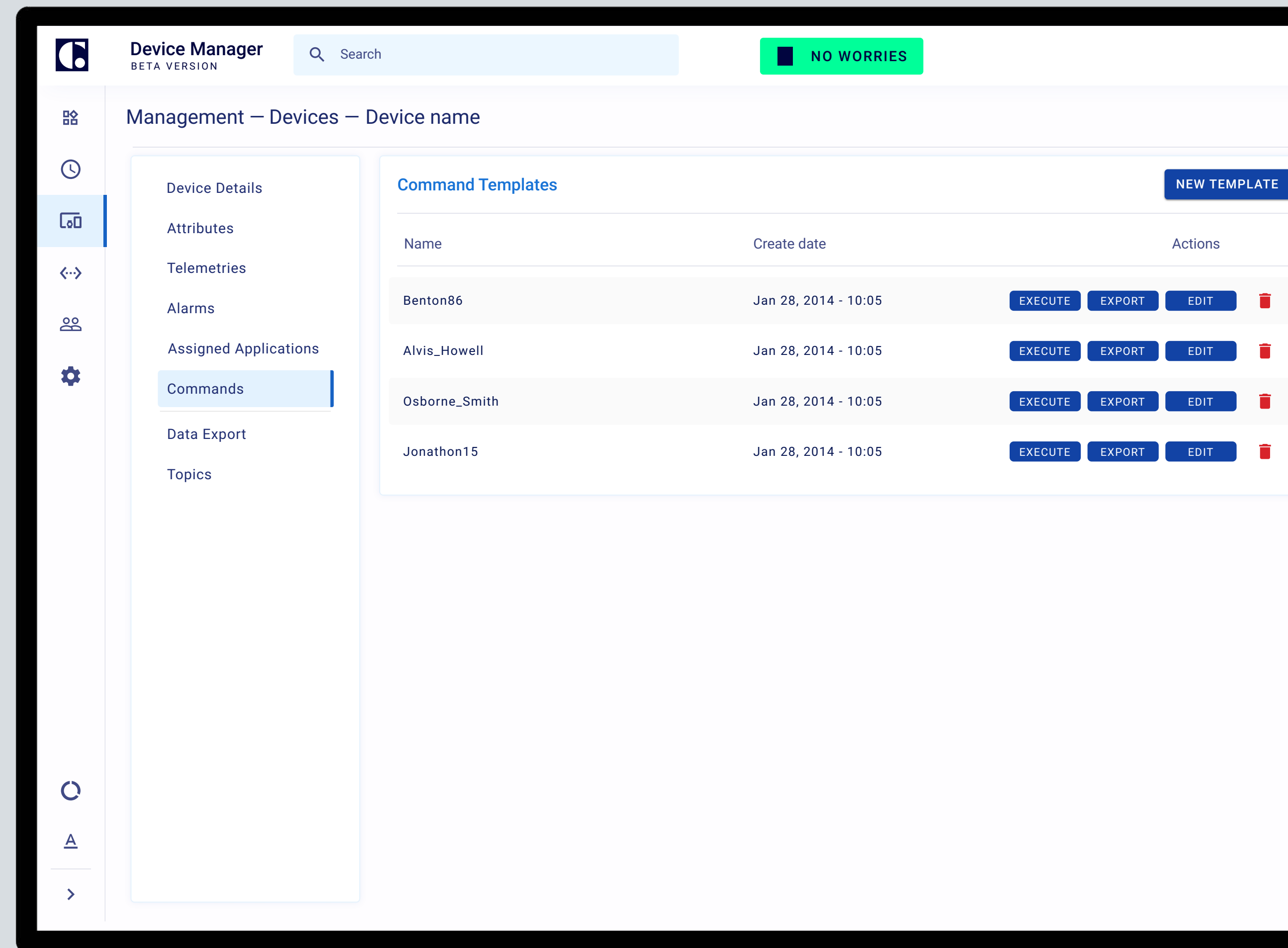
Remotely connect, monitor, control,
automate, integrate any device or any
system

 iotblue



CervelloStem

A flexible, customizable, scalable and secured IoT Platform to onboard, control and remotely monitor iot devices and integrate with enterprise and industrial systems and apps.



The screenshot displays the 'Device Manager' interface, labeled as a 'BETA VERSION'. The top navigation bar includes a search field and a green 'NO WORRIES' status indicator. The main content area is titled 'Management - Devices - Device name'. On the left, a sidebar menu lists various management options: Device Details, Attributes, Telemetries, Alarms, Assigned Applications, Commands (highlighted), Data Export, and Topics. The main panel shows a 'Command Templates' table with columns for Name, Create date, and Actions. A 'NEW TEMPLATE' button is located in the top right corner of the table area.

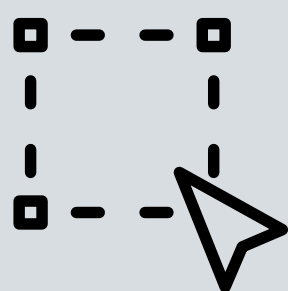
Name	Create date	Actions
Benton86	Jan 28, 2014 - 10:05	EXECUTE EXPORT EDIT
Alvis_Howell	Jan 28, 2014 - 10:05	EXECUTE EXPORT EDIT
Osborne_Smith	Jan 28, 2014 - 10:05	EXECUTE EXPORT EDIT
Jonathon15	Jan 28, 2014 - 10:05	EXECUTE EXPORT EDIT

A platform designed for your needs.



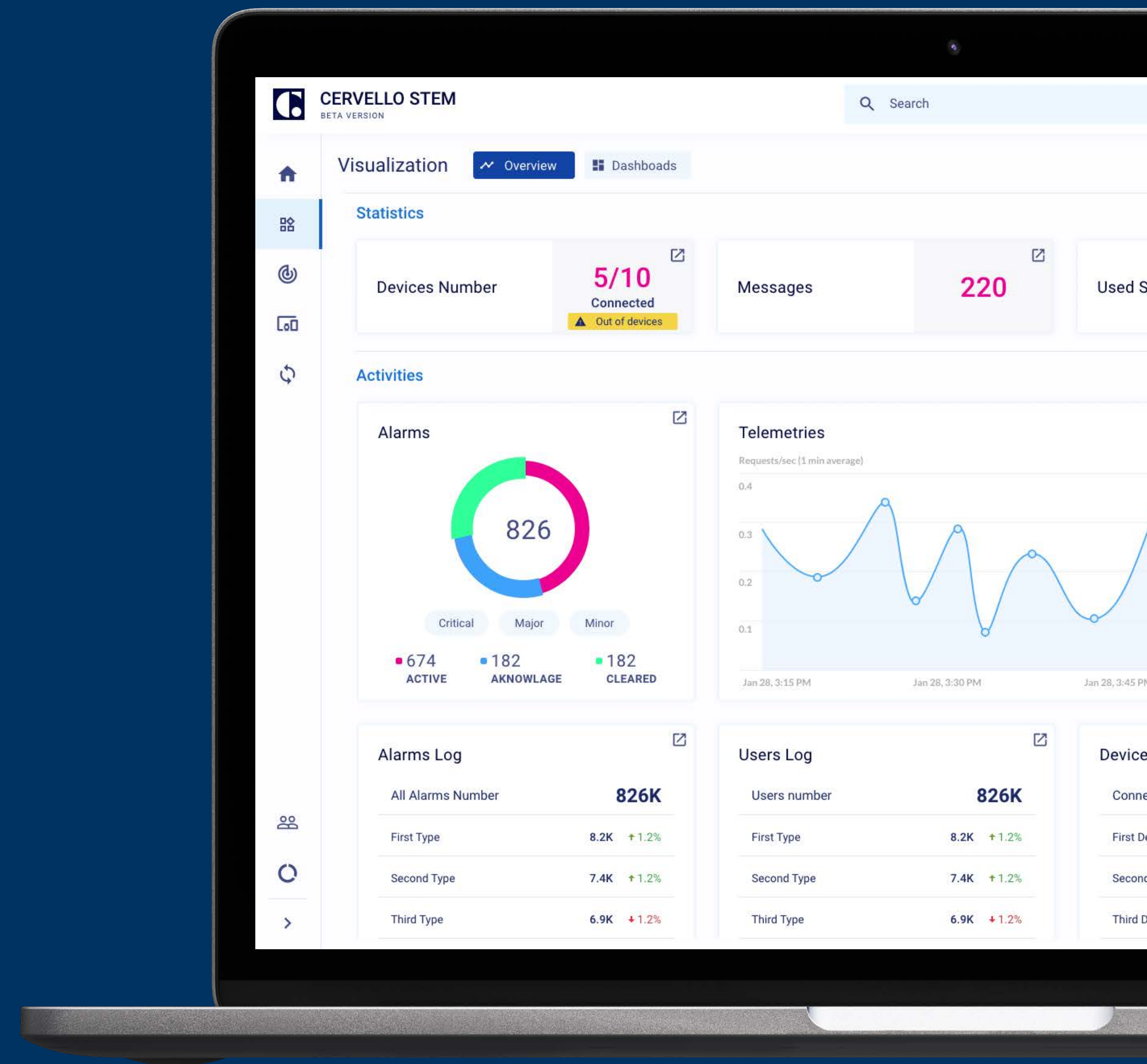
Security

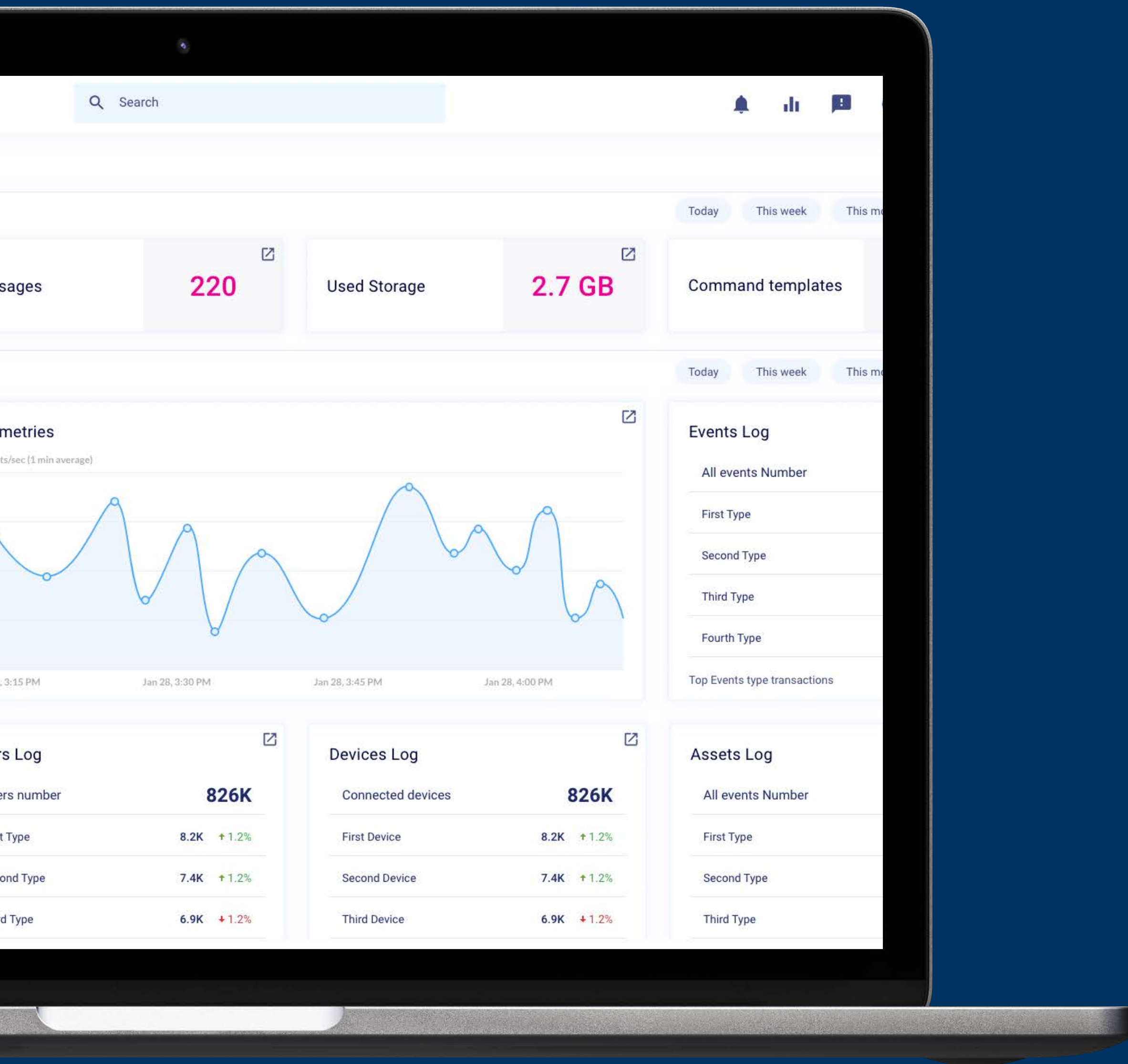
Comprehensive security capabilities to satisfy the most demanding requirements.



Scalability

Access as much or as little as you need, and scale up and down as required by adding new devices.



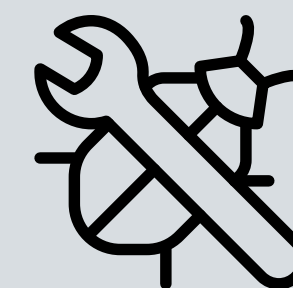


A platform designed for your needs.



Interoperability

Integrate with significant amount of legacy operations technologies including SCADA, M2M and other on-premises infrastructure.



Programmability

Remote controls, flexible and adaptable configurations with drag and drop and custom code.

Build better IoT solutions.

Cervello allows you to track telematics and sensor data, provision new devices and manage their lifecycle, execute remote commands and run OTA updates, create smart rules for autonomous device behavior, and many more.

Visit us on our website

www.iotblue.com

Start your first project



Choose team

Which team will work on the project?

Create new team

Your teams

🔍 Search team

Easy onboarding

Just invite your team members, assign them to a project and plug devices in to let them get their communication configuration automatically.

**New features,
infinite possibilities**

Cervello user friendly interface with its visual drag and drop rules engine and workflows, as well as its customizable dashboard visualization components are best fit and added value layer on top of any iot infrastructure of your choice to facilitate its management and analysis.

New features, infinite possibilities

Save your time managing devices

Data collection

Multiple protocols listeners to collect data from MQTT, CoAP, etc...

Data processing

Make a lot of aggregation functionalities on data telemetries before it is saved on the fly.

The screenshot displays the 'Device Manager' web interface, labeled as a 'BETA VERSION'. The main navigation bar includes a search bar and a green 'NO WORRIES' notification. The page title is 'Management - Devices - Device name'. A left sidebar contains a menu with options: Device Details, Attributes, Telemetries, Alarms, Assigned Applications, **Commands** (highlighted), Data Export, and Topics. The main content area shows a 'Command Templates' table with columns for Name, Create date, and Actions. The table lists four templates: Benton86, Alvis_Howell, Osborne_Smith, and Jonathon15, all created on Jan 28, 2014 at 10:05. Each row has buttons for EXECUTE, EXPORT, EDIT, and a delete icon. A 'NEW TEMPLATE' button is located in the top right of the table area. On the far right, a 'Device Log' sidebar shows a list of events with dates and alarm levels, such as 'Tuesday - 20/05/2007 Alarm - Major' and 'Friday - 04/05/2006 Alarm - Minor'.

Name	Create date	Actions
Benton86	Jan 28, 2014 - 10:05	EXECUTE EXPORT EDIT
Alvis_Howell	Jan 28, 2014 - 10:05	EXECUTE EXPORT EDIT
Osborne_Smith	Jan 28, 2014 - 10:05	EXECUTE EXPORT EDIT
Jonathon15	Jan 28, 2014 - 10:05	EXECUTE EXPORT EDIT

New features, infinite possibilities

Remote monitor and get notified in real time

Alarms

Set alarms with different severity levels and expose them to be handled by dashboard operators.

Events

Set and save specific events. Events are not alarms but it is something you need to log when it occurs. For example, a bus makes a stop to pick up a passenger.

The screenshot displays the CERVELLO STEM Monitoring interface. At the top, there is a navigation bar with the logo, a dropdown menu for 'Your project name', and a search bar. Below this, a sidebar contains navigation icons for home, settings, monitoring, and other functions. The main content area is titled 'Monitoring' and includes tabs for 'Overview', 'Alarms', 'Telemetries', 'Events', and 'Locations'. The 'Events' tab is active, showing a list of events with columns for 'Type', 'Event Name', 'Device name', and 'Timestamp'. The events listed include 'The Rabbit Sends in a Little Bill', 'The Road Through the Forest', 'The Rescue of the Tin Woodman', 'The Journey to the Great Oz', 'How the Balloon Was Launched', 'The Country of the Quadlings', 'Glinda The Good Witch Grants Dorothy's Wish', 'Down the Rabbit-Hole', 'The Pool of Tears', 'A Caucus-Race and a Long Tale', 'Advice from a Caterpillar', and 'The Rabbit Sends in a Little Bill'. On the right side, there is a 'Devices events' section with a grid of cards for various devices, each showing the device name and the number of events (e.g., 'The Mock Turtle's Story' with 47070 events).

New features, infinite possibilities

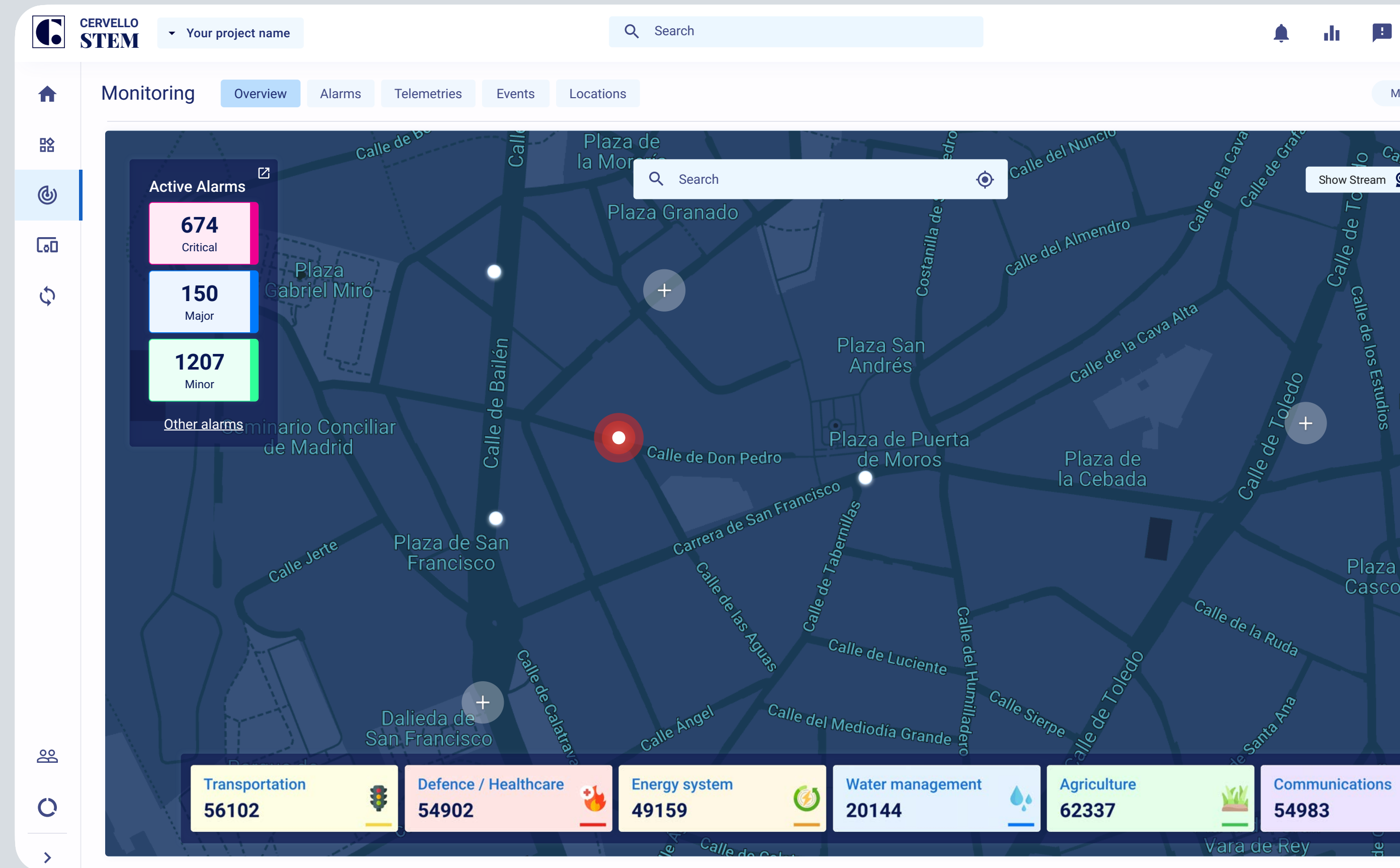
Locate your devices quickly

Location monitoring

See the past and present location of all of your devices connected to the cloud during the day.

Asset visualization

Visualize current and past locations of devices with the map widget. It provides a map view of location history for any device or asset.



New features, infinite possibilities

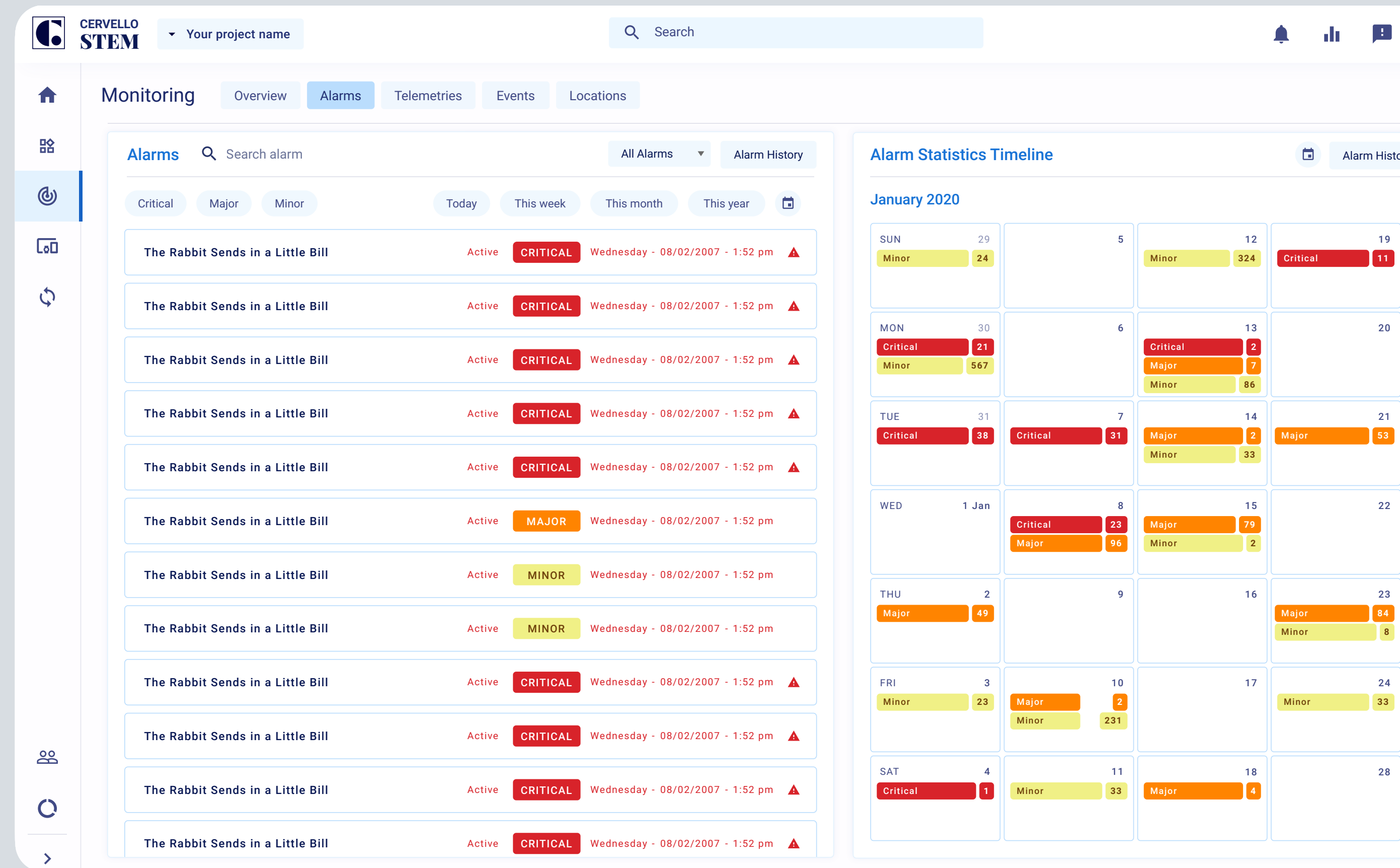
Connect anything to Cervello Stem

3rd party integrations

Send or receive data from third parties' systems.

No SDK

No need to use any SDK to send or receive data from Cervello. No need to change devices firmware. Or use specific topic in MQTT.



New features, infinite possibilities

Automate in few steps based on real time data

Command templates

Create a template of commands with dynamic variables to be assigned to millions of devices.

Rules engine

Set multiple rules and conditions using an intuitive user interface without coding. Program what to do in case of success or failure.

The screenshot displays the CERVELLO STEM web interface. The top navigation bar includes the logo, a project name dropdown, a search bar, and notification icons. A left sidebar contains navigation options: Automation, Tasks, Rule engine (highlighted), and Command template. The main content area is titled 'Automation - Rule Engine' and features a search bar for rule names. Below this is a grid of rule cards, each with a 'Running' status. The cards include:

- enable_mint_green_data**: Alarm, SMS; Statement: If alarm severity is Critical → Send SMS; Applying on 1 Device; Creation date: January 28, 2014.
- bedfordshire**: Event, Set location; Statement: If event bus stop is arrived → Set location lat=2.341421, long=765879.32; Applying on 1 Device; Creation date: November 27, 2012.
- tactics**: Telemetry, Alarm, Conne; Statement: If telemetry signal=400 and alarm → Disconnect device(s); Applying on 1 Device; Creation date: August 18, 2007.
- nevada**: Alarm, SMS; Statement: If alarm severity is Critical → Send SMS; Applying on 1 Device; Creation date: February 26, 2011.
- primary_berkshire**: Alarm, Email; Statement: If alarm severity is Critical → Send Email; Applying on 1 Device; Creation date: November 13, 2004.
- impactful_faroe_islands_row**: Event, Set location; Statement: If event bus stop is arrived → Set location lat=2.341421, long=765879.32; Applying on 1 Device; Creation date: January 15, 2002.
- schemas_cheese**: Telemetry, Alarm, Conne; Statement: If telemetry signal=400 and alarm → Disconnect device(s); Applying on 1 Device; Creation date: June 5, 2002.
- mobility_regional**: Alarm, SMS; Statement: ...; Applying on 1 Device; Creation date: ...
- berkshire_rich_bypass**: Alarm, Email; Statement: ...; Applying on 1 Device; Creation date: ...
- indonesia_auto_loan_account**: Event, Set location; Statement: ...; Applying on 1 Device; Creation date: ...
- connect_delaware**: Telemetry, Alarm, Conne; Statement: ...; Applying on 1 Device; Creation date: ...

New features, infinite possibilities

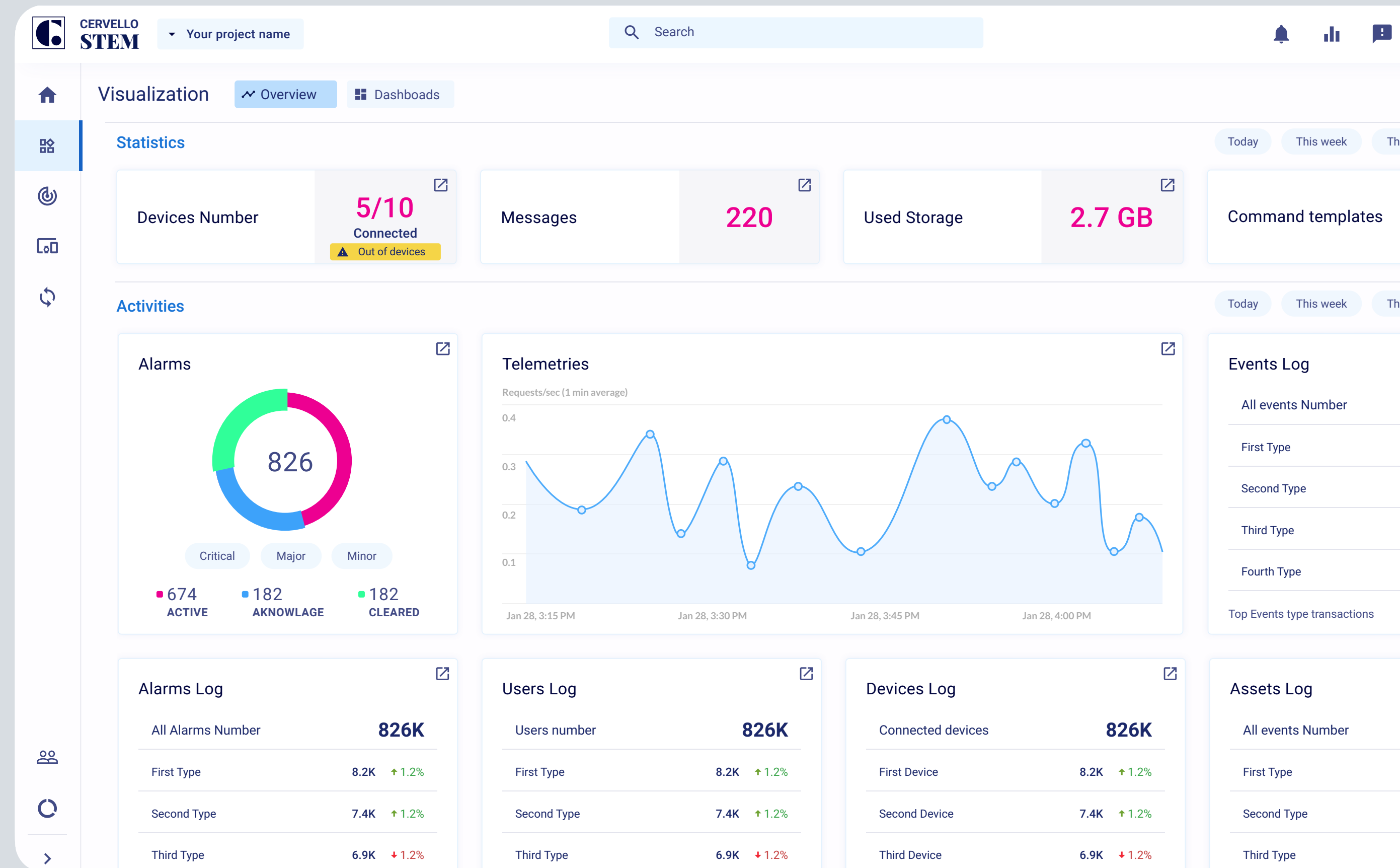
Design your dashboard and arrange widgets

Customized dashboard

create in a drag and drop fashion a Realtime visualized dashboards to analyze your iot application current or previous state.

Dashboard widgets

Visualize your data using a variety of components for different solutions with more than 30 components out of the box: charts, graphs, control, maps.



Add Device ×

← Choose another method

Create single device

1 Initial details
Define your device

Device name

Device group

Choose device type

Gateway

Standalone

Peripheral

Description

Manufacturer Name

Unique Identifier

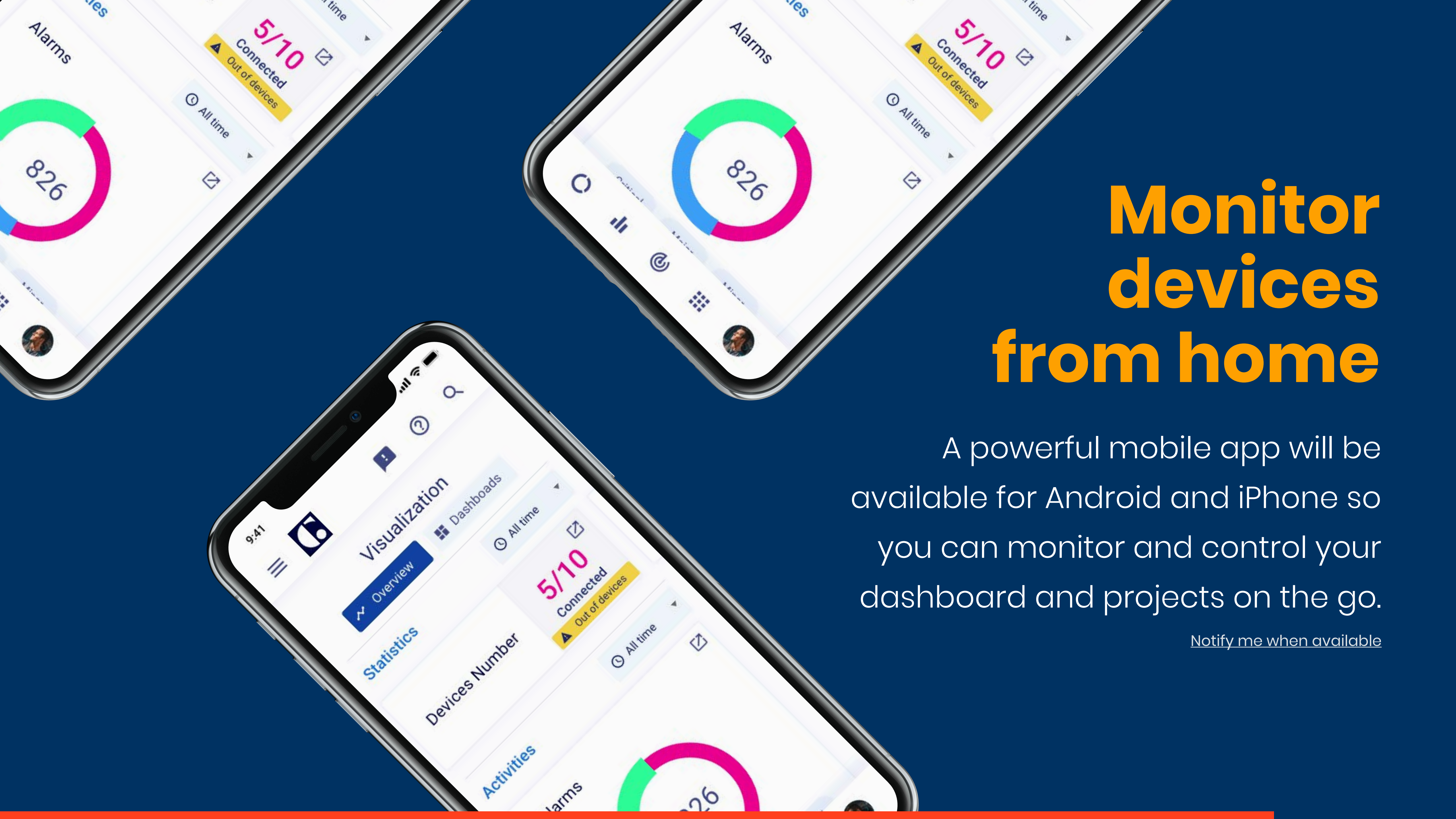
ADVANCED ^ CANCEL CONTINUE

2 Communication & Access
Configur Protocol

Choose protocol

Connect any device

Our protocol interpreter accepts big number of industrial protocols to make integration between systems and devices very easy. MQTT, COAP, HTTP, BACnet, Modbus... are available out of the box.



Monitor devices from home

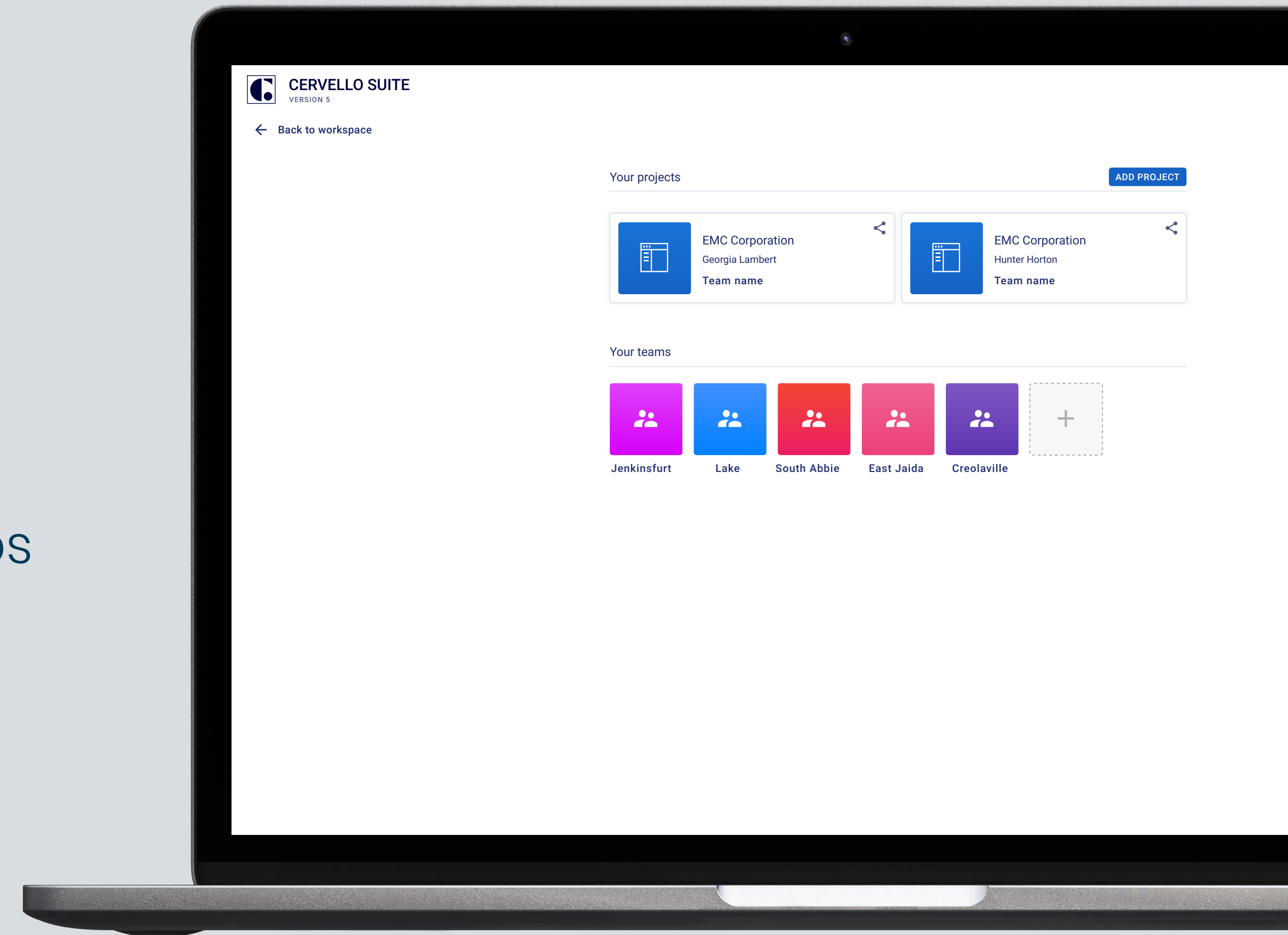
A powerful mobile app will be available for Android and iPhone so you can monitor and control your dashboard and projects on the go.

[Notify me when available](#)

Everything you need, to connect a whole city.

Multi tenancy allows you to administrate various organizations, teams, projects, apps and devices from within one deployment with different access control levels for different users and operators.

Business features



Create a cervello at any level.

 **iotblue**

Visit us on our website

www.iotblue.com

Our offices

Spain

Calle Alejandro Sánchez 109

28019 Madrid, Spain.

T: +34 91 39 40 505

[Show on map](#)

Egypt

45 Abdelhamid Badawy Street,

11351 Cairo, Egypt.

T: +20 22 18 03 007

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Cervello Stem on cloud plans

We host and scale your projects

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