



The Braincube IoT Server

IoT Server: Get the best from Braincube Streaming and Augmented Analytics

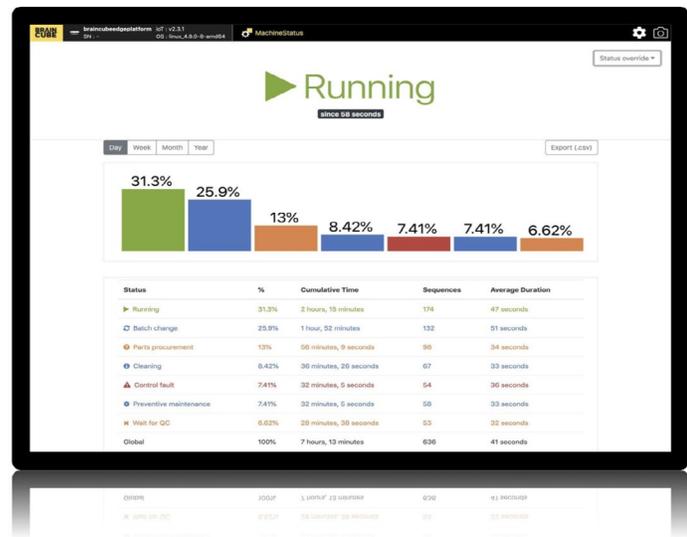
The Braincube IoT Server allows you to simultaneously leverage streaming and Big Data analytics to reach peak performance at every plant, on every production line.

This proprietary operating system allows you to connect, combine and view all of your relevant manufacturing data systems. Real-time data is available in a centralized hub for easy collaboration, KPI tracking and insights into live conditions.

Close the Production Data Loop

Imagine an easy-to-access portal with live production data from all your systems that you can use to improve your day-to-day factory performance and achieve your corporate initiatives:

- **Leverage Braincube Streaming Apps** on Edge for live condition monitoring, troubleshooting, predictive maintenance or other OEE tracking.
- **Connect to your Cloud** for a continuously updated and cleansed database for better augmented analysis: leverage machine learning and build models.
- **Close the production loop** and send your AI discoveries to Edge devices for live recommendations adapted to real-time production conditions.



Streaming Analytics on Edge

Thanks to your IoT Server(s) on Edge, you get instant access to an accurate view of your live production conditions. Whether you want to see what is happening live on the shop floor, get alerted to quality violations, run models, or implement improved predictive and preventive maintenance, getting access to data streams is an important step in transforming your live operations.

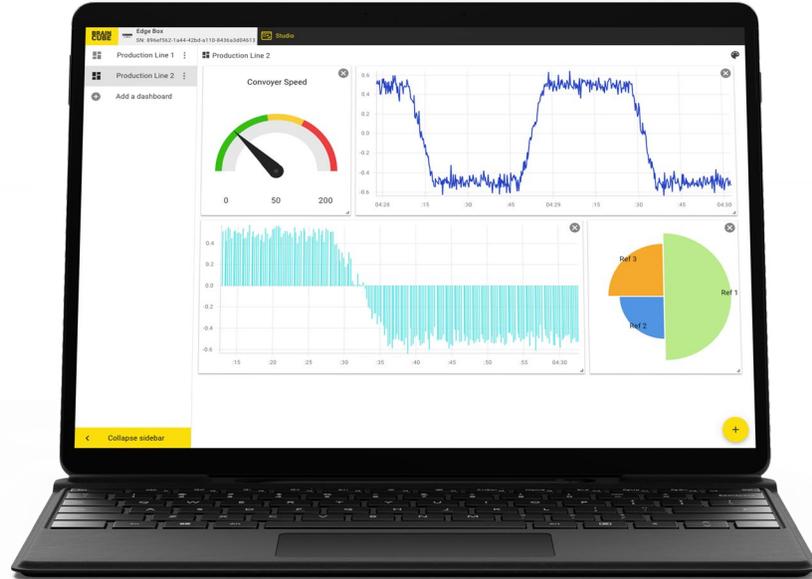
Configure Data Flows with the intuitive drag-and-drop Data Flows Manager to set-up, align and use stream data apps in a few hours. Braincube's App to create custom, interactive and real-time dashboards to monitor critical information. Enhanced Personalization with pack low-code / no-code capacities to become a citizen developer by creating tailored apps. For advanced users, dive into our REST API for a developer's playground.

Optimize by Connecting with the Cloud

Connect with your cloud solutions in order to have constant, up-to-date information.

Your contextualized database in the cloud will reveal current (and historical) production conditions for the most accurate analysis through Braincube Big Data Apps.

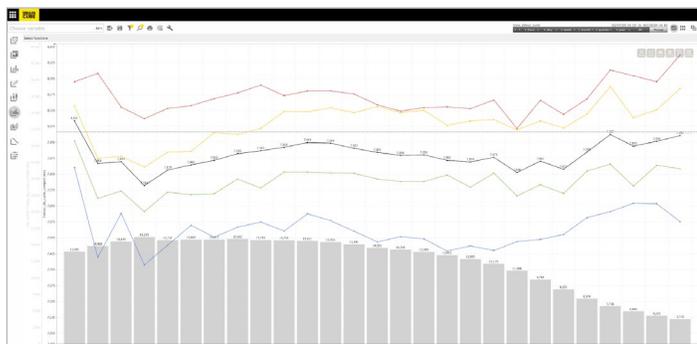
Moreover, you will be able to send your AI discoveries to Edge in order to have live recommendations adapted to the actual production conditions.



Hybrid IoT Server: Make the Most of Both Worlds

Close the production loop and leverage Braincube streaming apps on the Cloud for endless agility. Connect all your systems and combine them in one centralized and up-to-date place. Your databases are constantly updated live and your most important information is recorded and stored for deeper study.

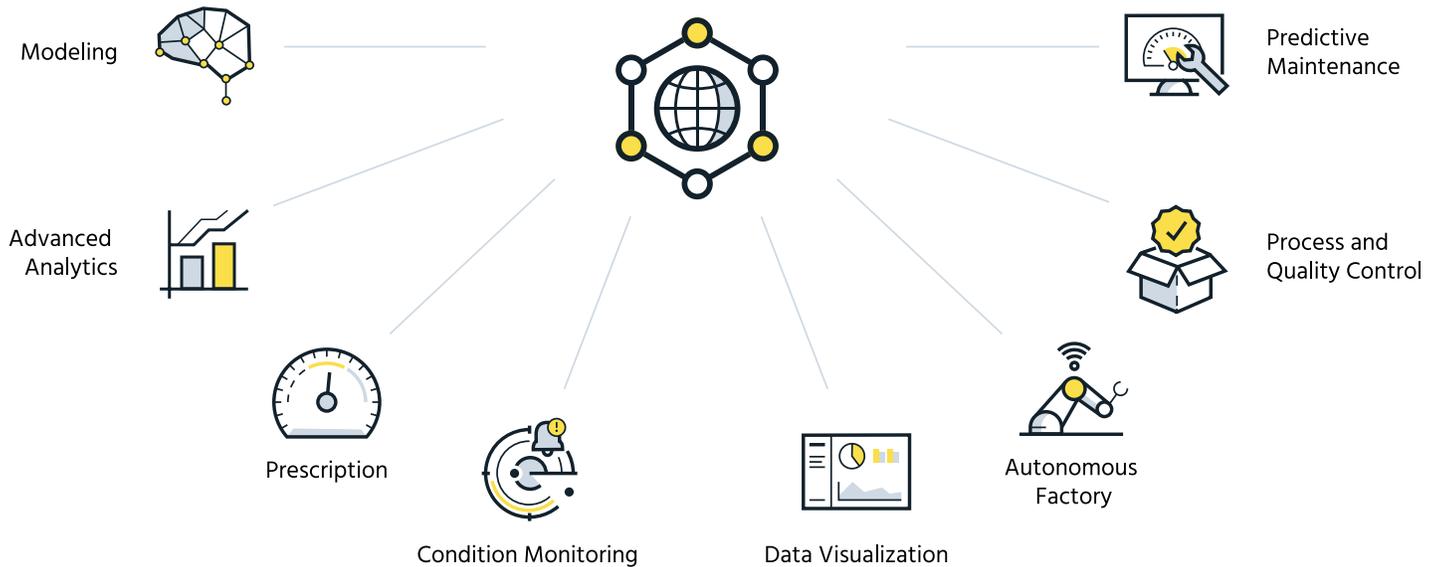
Build advanced dashboards by feeding our Studio application with real-time data streams from your IoT Servers on Edge. Bring in other system data (ie weather, LIMS, ERP...) to compare multiple production plant conditions for real-time and contextualized recommendations.



- ✓ Reach peak performance on every production line, adapted to real-time conditions
- ✓ Leverage low-code/no-code apps from the cloud for endless personalization
- ✓ Empower cross-team collaboration thanks to Braincube's Collaboration App Suite that allows you to automate the extraction of customized reports to other systems like Google Sheets.

Braincube Advanced App Suite

Leverage your IIoT Platform thanks to our Advanced Apps Suite.



Braincube **Streaming Apps** Use Case:

Studio App: Combine data from all systems and create custom, interactive and live Dashboards

Objective: Improve the monitoring of the production, compare different plants and get real-time AI recommendations.

An IoT Server on the Cloud not only allows you to access streaming apps remotely, it also enables the ability to consolidate your relevant data into visual, custom, interactive dashboards.

Feed the Studio app with live data streams from the Edge and compare with historical data from your contextualized database. You benefit from a view on live production conditions and the best settings recommended by your AI analysis.

LEVEL UP: Make it interactive, customize with Low-code/No-code capacities and switch between plants to compare and adapt your settings on the fly to reach peak performance at every production site.



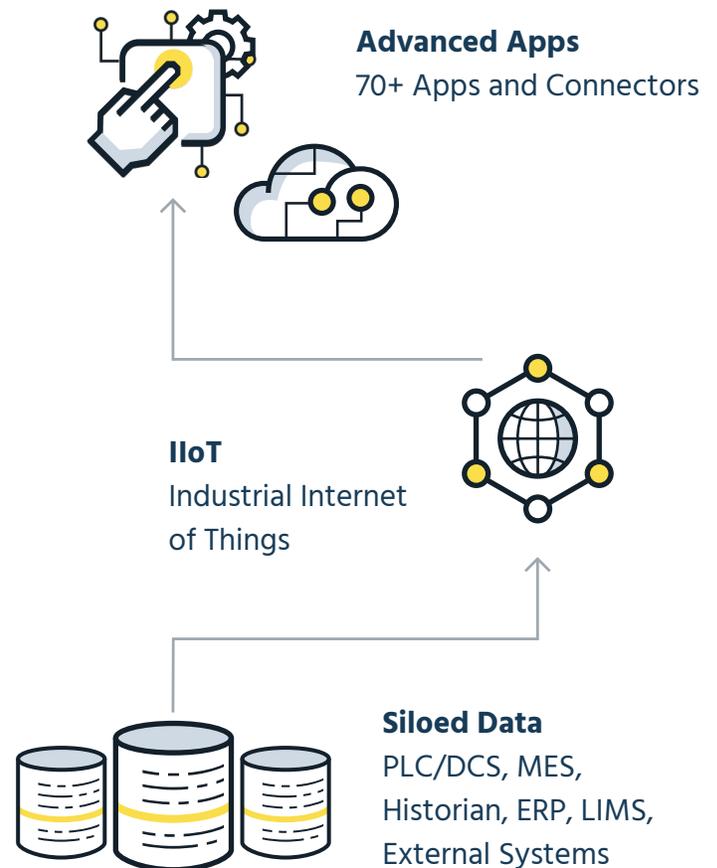
IoT Server makes it incredibly easy to **capture and use data from all your systems in a centralized portal**—even without technical expertise. Create custom views and visualizations, monitor trends and set alerts, or even build your own custom apps from data streams. IoT Server is your portal to unlock new value within data.

Marc Davis, Product Owner, Braincube

Getting Started

Process:

- Get an IoT Server installed on the Cloud to connect all your systems
- Open Studio and create custom, interactive dashboards with critical information
- Feed Studio with live data streams from your IoT Servers on Edge and with data streams from your Digital Twins
- Switch between your different IoT Servers on Edge, compare production conditions and adapt on the fly to reach peak performance on every production site.
- **LEVEL UP:** Connect all of your IoT Servers company-wide for a corporate dashboard



This is a real additional layer which not only **automatically retrieves data** but also **allows machines to communicate with each other**. And all this while adapting perfectly to the existing thanks to a completely tailor-made solution

Emeric Hochart, Jetlane Decathlon,
Digitalization Project Manager

Edge Factory Box Customer

DECATHLON

Customer Benefits: Agility in Action

- 1 Connect, combine and securely centralize data from all systems, devices and things to reach peak performance at every plant, on every production line
- 2 Use Brincube Streaming Apps on Edge for better production monitoring and performance
- 3 Data is continuously structured and updated for better augmented analytics in the Cloud
- 4 Develop and implement decisions based on clean, structured data in real time for more accurate decision making
- 5 Optimize production processes and avoid costly mishaps on the fly through AI recommendations on Edge
- 6 Become a Citizen Data Scientist: Brincube apps are ready-to-use and deliver immediate value
- 7 Integrate into any private, public, or on-prem solution for ongoing flexibility and growth
- 8 Empower teams with automated, customized and interactive dashboards
- 9 Analyze all of your data from anywhere through automated customized reports and exports
- 10 Transform data into visual information to know what is happening live on the shop floor, get alerted to quality violations, run models, or implement improved predictive and preventive maintenance

Features:

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Configure Data Flows using the drag-and-drop application to set-up, align and use stream data apps in a few hours
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Ready-to-use app and low-code/no-code capacities for endless customization
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Easily manage your IIoT Platform, privacy settings and access for all users
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Access Brincube streaming and Big Data apps from the Cloud
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Send your AI discoveries from your Cloud to Edge in order to have live recommendations adapted to the actual production conditions
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Automate customized reports and extraction into other systems such as Google Sheets
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Feed Dashboards with data streams from all systems to compare all your plants and get recommended settings adapted to real-time production conditions
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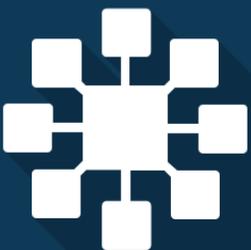
Connect all your systems in one centralized and up-to-date place
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Build, run and manage your models from the Cloud
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Use Brincube Collaboration App Suite for better cross-team collaboration

Availability:

Contact us to learn more about Brincube's IoT Server.



Why We're Different



A Single Hub to Access and Use Production Data

Operate at peak performance by leveraging your streaming data to take immediate action and your historical data to accelerate continuous improvement.

Our solutions are flexible. Whether you are looking for Edge, Cloud or a Hybrid offer, our software was designed by manufacturers for manufacturers with your ideal deployment: on prem or in a private or public cloud.



Continuous Structurization with Process Digital Twin

Find efficiency opportunities, cost savings, test changes without wasting resources or track your entire process using your Digital Twin from Brincube.

This dynamic replica lags all of your production variables and instantly identifies the most impactful variables in your process and prescribes how you can best leverage new optimizations with AI and Machine Learning.



Empower Your Employees with Autonomous Factories

Brincube continuously adapts to environment and process variability, giving you a continuous look into every step of your production process—so your team spends more time focused on improving operations, and less time wrangling data.

C-Suite, process engineers, operators and data scientists can use advanced apps that simplify data visualization, Big Data mining, complex third-party integrations and more.

About Brincube

Brincube is an IIoT platform suite with business and expert apps designed for industry. Founded by Laurent Laporte, Hélène Olphe-Galliard, and Sylvain Rubat du Mérac in 2007, Brincube has paved the way for artificial intelligence in the industrial world for more than a decade.

Brincube's platform and off-the-shelf apps empower manufacturers to find instant and long-term value from data streams and Big Data analytics. Its operating software provides immediate visibility into live conditions via Edge and provides a hub of analysis apps via Cloud to better optimize performance.

Combine Edge and Cloud to get the best results from your IIoT platform: adjust to real-time recommendations and improve future performance. Choose from a robust app store to help you achieve your context-specific goals whether you are striving for continuous improvement and higher productivity, cost-reduction via Machine Learning, asset monitoring and predictive maintenance strategies, or visualization with charts, tables, and dashboards.

Brincube provides a one-stop-shop to take control of your data and transform your operations.

\$5.5 BILLION

Saved by Brincube users' production lines in the last 10 years

35,000+

Brincube users every day

250+

Manufacturing companies using Brincube in their factories

1,200+

Production lines running Brincube across 30 countries

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