

aicas Edge Data Gateway

Unlock the Value of Embedded Device and Vehicle Data



Gain Valuable Insights. Get Relevant Edge Data When and Where it is Needed.

The amount of data gathered by embedded devices and vehicles is already huge and keeps growing with the number of sensors. There is enormous potential for identifying cost reductions as well as revenue growth and data monetization opportunities. Provided you are able to select the relevant data for your specific use case.

The aicas Edge Data Gateway (EDG) delivers the right data to the right place at the right time. Even in realtime.

Collect, Select, Visualize Edge Data in Your Customized Dashboard

aicas' data management portal EDG provides direct, unified, and cross-application access to data from edge systems. Supporting many different communication protocols, it is scalable across heterogeneous fleets of devices and target systems. Custom dashboards can be configured for data visualization and live data monitoring. Its flow editor allows data to be filtered, aggregated, and routed to third-party applications.



Boost Your Entire Business With the Power of Data

COMPLEXITY REDUCTION

By providing a single, standardized application

SCALABILITY

Across heterogeneous systems

EASY ADAPTION TO YOUR BUSINESS

Through role-based access

COST SAVINGS

By selecting the relevant data

EASY TO USE

Without programming skills

ENABLING RAPID OPTIMIZATION

Through insights in realtime

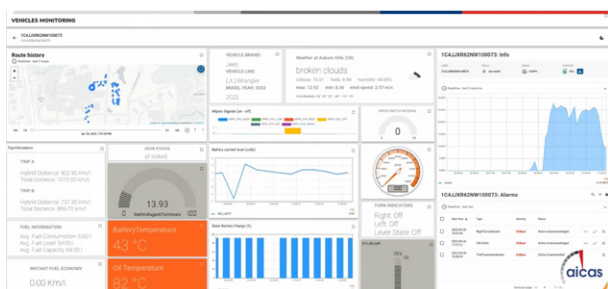
BETTER DECISIONS

Based on valuable data insights

SIMPLE DATA INTERPRETATION





Through data visualization and live data monitoring

Use Case Example: Automotive Data Dashboard for Live Monitoring

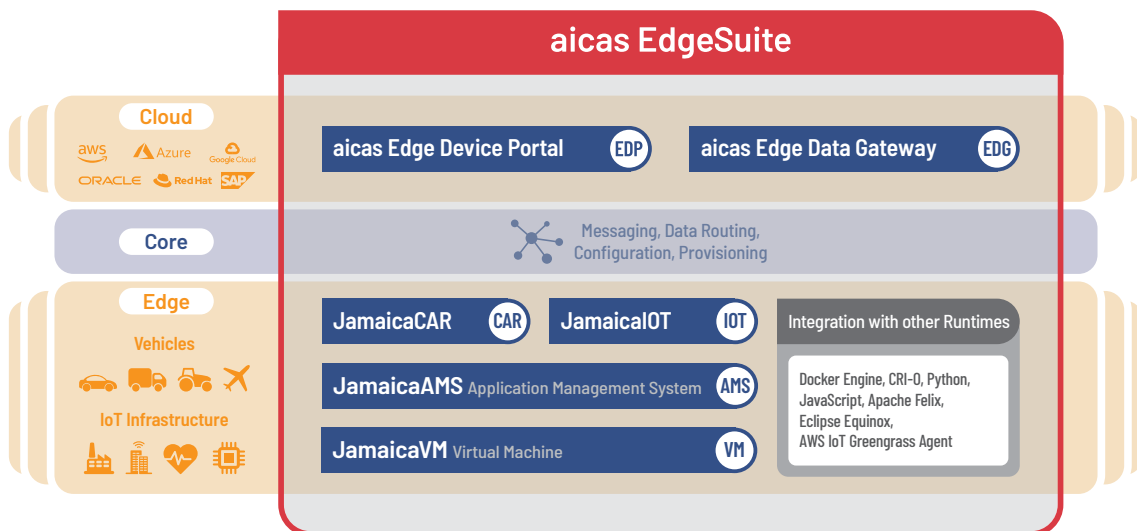


For a large OEM, we developed a custom dashboard that integrates, selects, analyzes, and visualizes insights from incoming live data streams. The solution provides seamless access to realtime vehicle system data, e.g., vehicle diagnostics, sensor readings, GPS locations. The dashboard allows live monitoring of speed, position, battery status, vehicle fault indications, fuel consumption, distance traveled, and more to instantly improve operational efficiency, safety, and performance. The solution doesn't require any programming skills thanks to over 100 configurable graphical widgets.

Key Features

 <h3>No Code Editor</h3> <p>The No Code Editor inside EDG allows users without programming knowledge to route, process, filter, and aggregate data. The editor comes with a large number of pre-built data operation nodes but can also be extended by custom-coded new elements.</p>	 <h3>Data Processing</h3> <p>EDG chains logical blocks that aggregate or filter incoming data. This makes it really easy to select, sort, and filter data. As a result, you have access to exactly the selection of data you need. Based on this valuable information, you can support your data-driven business and application models.</p>	 <h3>Data Routing</h3> <p>Once the data is transferred to the cloud, you often need to pass it on to other systems or third-party applications. With EDG, this can be done through an easy-to-use graphical editor without needing to write a single line of code.</p>	 <h3>Data Visualization</h3> <p>Designing dashboards to visualize data can be done without any technical background. It is just a matter of dragging UI elements into the editor and selecting the data source. No programming skills are required to quickly create powerful dashboards.</p>
--	---	---	--

The Solution Within the aicas Ecosystem



EDG supports third-party runtimes and solutions, but its value is greatest when it collects and seamlessly integrates data from aicas' edge runtime systems. EDG works with JamaicaAMS, the modular application management system, JamaicaVM, the Java software development kit and runtime, as well as its automotive services, JamaicaCAR, and its industrial services, JamaicaIOT.

Within this ecosystem, EDG enables data discovery from new data sources and rapid prototyping with direct insight into edge device data.

**Want to Simplify Your Edge-to-Cloud Journey?
Start now, With aicas EdgeSuite!**

aicas GmbH
Emmy-Noether-Str. 9
76131 Karlsruhe, Germany

Web: <https://www.aicas.com>
Email: info@aicas.com
Phone: +49 721 663 968 0

Sign up
for our
Newsletter!

