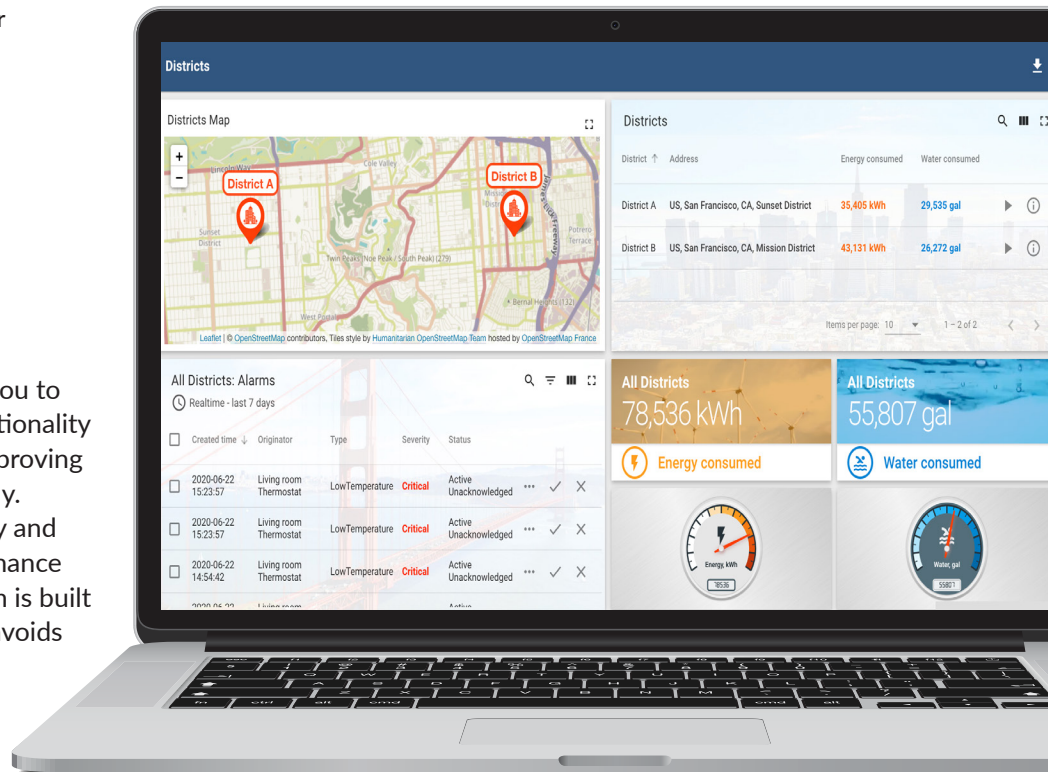**COUNCILROCK**
Smart Private Networks

VISTA

An open-source, out-of-the-box IoT cloud platform or on-premises solution that enables rapid development, management and scaling of IoT projects.

FEATURES

1 DEFINE RELATIONSHIPS Provision devices, assets and customers and define relations between them

2 COLLECT & VISUALIZE DATA Collect and visualize data from devices and assets

3 COMPLEX EVENT PROCESSING Analyze incoming telemetry and trigger alarms with complex event processing

4 RPC Control your devices using remote procedure calls (RPC)

5 BUILD WORK-FLOWS Build work-flows based on device life-cycle event, REST API event, RPC request, etc

6 DESIGN DASHBOARDS Design dynamic and responsive dashboards and present device or asset telemetry and insights to your customers

7 CUSTOMIZABLE RULE CHAINS Enable use-case specific features using customizable rule chains

8 PUSH DATA Push device data to other systems

Save time and avoid risks

Using our platform allows you to have all the necessary functionality right away and focus on improving your operations immediately. Save money, improve safety and predict failures and maintenance requirements. Our platform is built on Open-Source and thus avoids many of the pitfalls of customized development.

COUNCILROCK
Smart Private Networks

SCALABLE
Horizontally scalable platform, build using leading open-source technologies

FAULT-TOLERANT
No single-point-of-failure, every node in the cluster is identical

DURABLE
Never lose your data

CUSTOMIZABLE
Adding new functionality is easy with customizable widgets and rule engine nodes

ROBUST AND EFFICIENT
Single server node can handle tens or even hundreds of thousands of devices depending on use-case. **VISTA** cluster can handle millions of devices

DASHBOARD HIGHLIGHTS
Updates low-latency updates using web-sockets

ZOOM FUNCTION
Ability to zoom-in into the charts by selecting time range with the mouse
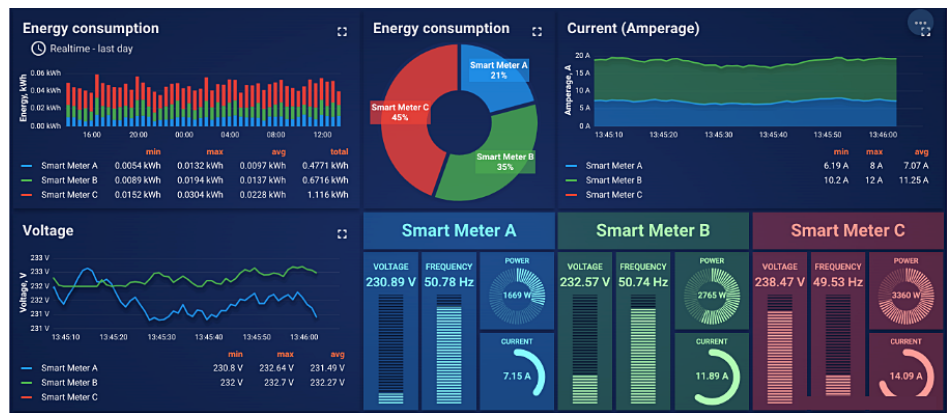
TOOL TIPS
Advanced tooltips and legend

SWITCH
Dashboard toolbar in the top-right corner enables global time selector and switch between dashboards

MAINTAINED
Our platform is in continuous maintenance and upgrade mode to ensure you are never stranded by custom development

Smart Monitoring

VISTA platform allows you to create smart monitoring systems in our off the shelf offering, or in any customized view tailored to your specific needs. We provide the ability to view:

Reliable and fault tolerant data collection for your smart meters and energy monitors;

Advanced and flexible data visualization for real-time and historical smart energy monitoring;

Customizable end-user dashboards to analyze and share the results of energy efficiency monitoring;
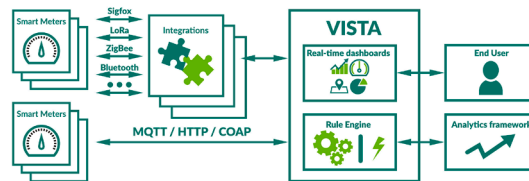
Integration with third-party analytics frameworks and solutions for advanced electricity usage monitoring;

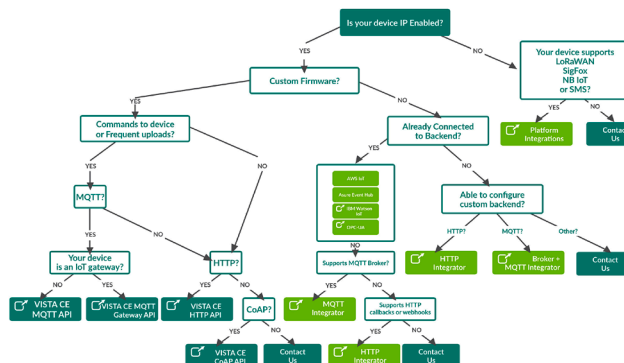Enable energy management by utilizing **VISTA** API to control and manage smart meters.

Smart Dashboard

Dashboard hosted on live demo server represents smart energy IoT data visualization that may be embedded in your IoT project or solution.

Dashboard demonstrates real-time data from assets that are collected using **VISTA** MQTT API. The data is stored in Cassandra DB on our demo server.

Data flow and integration points for a typical smart IoT solution that uses **VISTA** platform to collect and analyze monitoring data from all of your assets.

VISTA provides a lot of device connectivity options. The diagram below is designed to provide visual overview of existing options and help you to choose the correct option for your devices.