

Status Device Cloud

Your Easy IoT Platform

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Cloud-Based Device Monitoring and Management for the IoT

SYSTEM OVERVIEW

B-Scada's Status Device Cloud is a cloud based solution for monitoring vast numbers of assets in real time, including devices, databases, web services, sensors, users and key performance indicators (KPI).

Users can access the system with any mobile device or tablet with a web browser.

The Status Device Cloud platform is built to industry standards based on OPC UA (Unified Architecture), a secure, platform-independent, service-oriented architecture developed by the OPC Foundation, The Interoperability Standard for Industrial Automation™.



Status Device Cloud is a complete IoT system built around an intelligent information model. Every Status Device Cloud System will include:

- ◆ Real-time and Historical Data
- ◆ Alarms and Real-Time Notifications
- ◆ Data Logging
- ◆ Calculations
- ◆ Workflow (Automation)
- ◆ Scheduled, Condition-Based, and On-Demand Reporting
- ◆ Form Design
- ◆ User Roles and Workspaces (Security)
- ◆ Web and Mobile Access





What It Does Real Customer Solutions

CUSTOMER TESTIMONIALS

"We are well poised to cater to larger contracts with these added capabilities. The B-Scada staff are outstanding in their politeness, response time, and willingness to help."

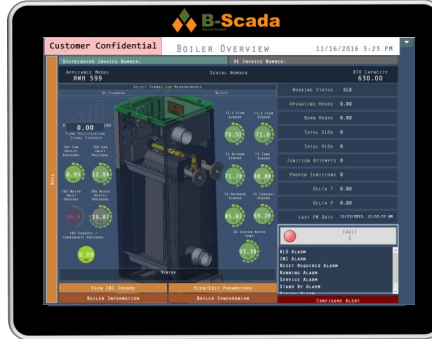
Christopher Lee
Algae Lab Systems

algae lab systems™
accelerating algae

"I would recommend Status to anyone who is looking for a powerful web solutions that is easy to configure and using cutting edge technology."

SangKee
Jeo & JongBo
Jeo & JongBo

Remote Boiler Monitoring



Customer uses Status Device Cloud to monitor commercial boiler systems throughout North America. Benefits include: reduced maintenance costs, extended equipment lifecycles, and improved customer support and satisfaction.

Convenience Store Monitoring



Customer uses Status Device Cloud to monitor a popular chain of convenience stores. The system allows them to remotely monitor and manage HVAC systems, Freezers, Ovens, and Fountain Drink Dispensaries using any standard web browser.

Distillery Monitoring



Customer uses Status Device Cloud to monitor distillery equipment in this IoT pilot project. The project allows customer to monitor temperatures and flow rates in real time, and remotely control valves when needed.





What It Does

Real Customer Solutions

CUSTOMER TESTIMONIALS

“We’re currently monitoring and controlling about 15MWatts of power in the grid and B-Scada has made it very easy to get a view as to how our sites are performing.”

Peadar Doyle

Endeco Technologies



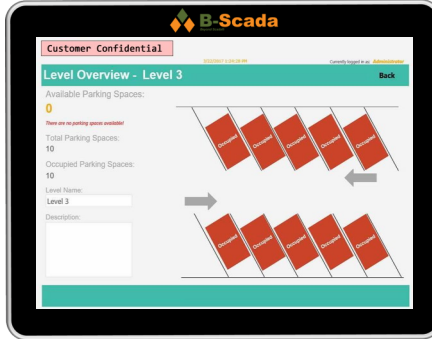
“Our feeling since we started to use Status is sureness; it is very stable, powerful, simple to use, and B-Scada’s support is top level.”

Francisco Garcia

Angola Ministry of Finance

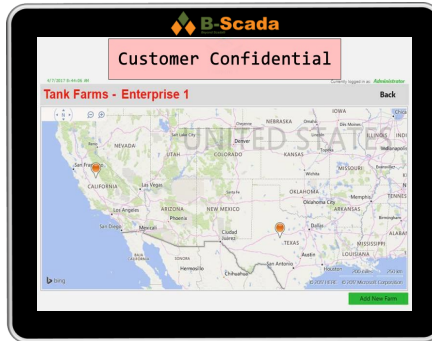


Parking Garage Monitoring



Customer uses Status Device Cloud to monitor coolers to monitor parking garages in this IoT pilot project. Real-time monitoring will not only save time and increase efficiency, but also prevent potential accidents and improve safety and security.

Tank Farm Monitoring



Customer uses Status Device Cloud to monitor a series of tank farms in this IoT pilot project. Real-time monitoring of these remote assets can save a tremendous amount of time and money, as well as allowing for immediate detection of problems.

Energy and Water Monitoring



Customer uses Status Device Cloud to monitor residential power and water consumption in this IoT pilot project. This should allow the customer to optimize system efficiency and ultimately reduce waste and decrease costs for both producer and consumer.

Status Device Cloud is currently deployed for a wide range of applications in numerous vertical markets, including: smart city applications, solar, wind, and other renewable energy applications, wells, pump stations and more.



How It Works

Aggregate and Organize

YOUR CONNECTED ENTERPRISE

Your Status Device Cloud Information Model can include data from all of your systems, devices, and other data sources — from programmable logic controllers (PLCs), sensors, databases, web services, user input, and even custom data sources.

Data connectivity for Status Device Cloud includes OPC UA, OPC DA, SNMP, MQTT, Domoticz, Empress, SQL and ODBC data sources, Excel workbooks, Allen Bradley, BACnet, Modbus and Siemens S7 devices, as well as Libelium, Advantech Wzzard, and B-Scada sensors. Custom data sources can also be supported.

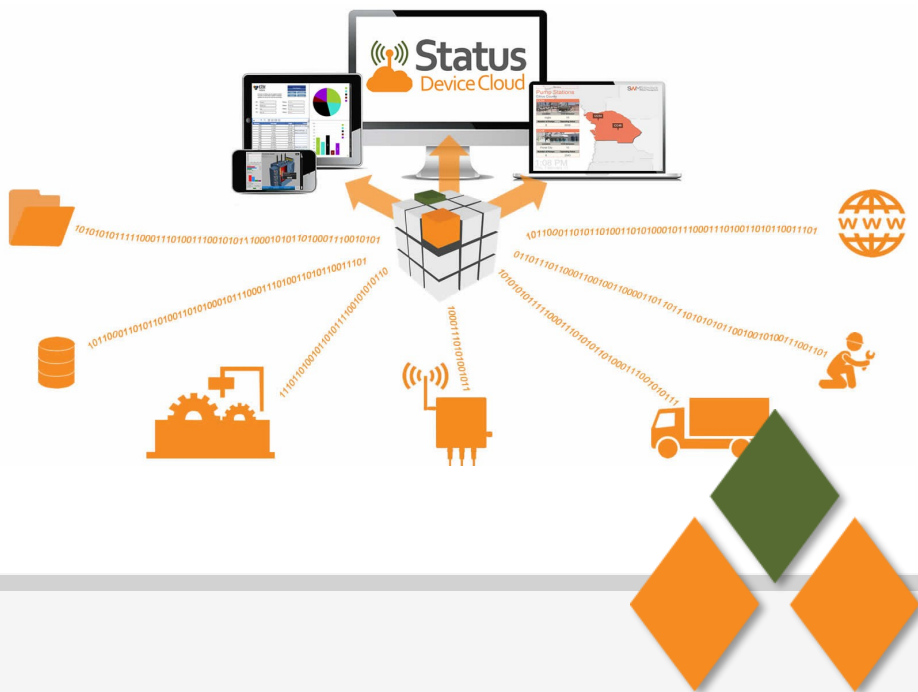
Get It Together

Status Device Clouds uses OPC UA Information Modeling to bring all of your devices, databases, systems, and users into a system of real-time communication. Status Device Cloud includes drivers that allow you to connect thousands of different devices and other data sources.



Information Modeling Revolutionizes Data Management

Behind the scenes, Status Device Cloud virtualizes your devices and other data sources in a unified information model that ensures that all data — regardless of its source — can be used in alarming, calculations, workflows, reports, or any other feature of your IoT system.



BEYOND SCADA



Information Modeling Unify Your Data Management

Information Modeling in Status Device Cloud provides a bridge between physical assets and management systems, enabling an information management system that embraces both tangible and intangible assets, empowering new opportunities for real-time analytics and visualization.

Your information model also contains:

- Alarms
- Calculations
- Logging Configurations
- Workflow Settings
- Users and User Files (documents, images, videos. etc.)
- Security Settings (user roles and workspaces)

CUSTOMER TESTIMONIALS

"I looked at various types of software solutions, both turn-key and develop-your-own. The amount of work involved with telling an outside company what I am looking for in a system would be quite involved and I decided it would be easier if I could do it myself. That is where Status comes in with its ability to change and modify project functionality; your possibilities are endless."

*Kevin, Facilities Superintendant
A.P. Plasman*



The Many Benefits of Information Modeling

- ✓ **Higher Quality**
 - Problems are Well Defined
 - System is Self-Documented
- ✓ **Reduced Cost**
 - Reduction in Errors
- ✓ **Faster Time to Market**
 - Development Tools can Leverage Knowledge of Well-Defined Types
- ✓ **Reduced Risk**
 - Helps Manage Growth Complexity
 - Reduces Chance of Project Failure
- ✓ **Ready for the Future**
 - System is Well Organized for Advanced Analytics in the Future





Alarming, Trending, and Reporting

Track and Compare

REAL-TIME SITUATIONAL AWARENESS

All of the data items included in your Status Device Cloud information model — regardless of their original source — are available to all of the many features of the system, including alarms, trends, reports, calculations and workflows.

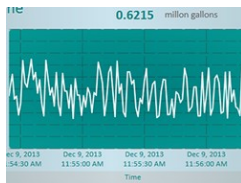
Each property in your information model can be attached to alarms and notifications, trended in real-time or historically, and included in reports.

Alarms and Notifications



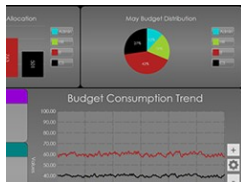
Status Device Cloud allows you to have custom alarms for any property in your information model. Define alarm thresholds and messages, email (or SMS) notifications, and schedules. Alarms can be viewed, edited, or commented on your dashboards.

Real-Time and Historic Trending

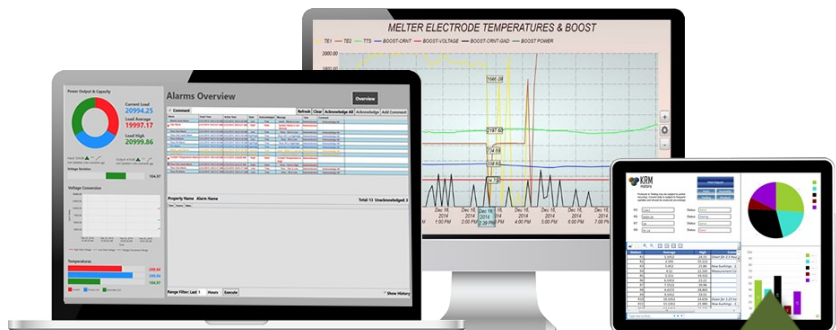


Status Device Cloud solutions can include trends of various time ranges, frequencies, and appearances. Trends can be in real-time or historical, include multiple pens, be displayed as lines or bars, and provide many other customization options.

On-Demand and Automated Reporting



Reports can be generated on demand or automated based on a specified schedule or based on particular conditions defined in a workflow. Reporting tools include bar charts, pie charts, bubble and scatter plot charts, historical data grids, and many other visual tools.





Calculations and Workflow

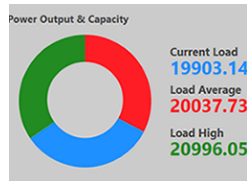
Analyze and Automate

FROM RAW DATA TO ACTIONABLE INTELLIGENCE

A powerful calculation engine includes dozens of built-in calculations that can be used to analyze your incoming data in real time.

A powerful workflow service allows you to automate tasks: write new values, send messages, generate reports, make web service calls, and more.

Calculations



Status Device Cloud includes a robust calculation engine that can be used to perform analytical functions in real-time—or using historical data, including arithmetic functions, unit conversions, trigonometric functions and more. Custom calculations can be added as well.

Workflow



The Status Device Cloud workflow service can be used to add automated functions to your system. Workflows can be configured to facilitate M2M (machine-to-machine), B2M (business-to-machine), and B2B (business-to-business) communication. Workflow allows users to improve business and maintenance processes through scheduled or condition-based task automation. It is also frequently used for automated reporting.





HTML5 Web Access

Anywhere. Anytime.

Status Device Cloud solutions can be accessed in any modern web browser — including on smartphones and tablets.

NATIVE WEB SUPPORT

Unlike other platforms, Status Device Cloud does not require any special runtime environments or third party plug-ins in order to access your solution in a web browser.

Mimics (user interfaces/dashboards) are published as HTML5 web pages by Status Device Cloud. This allows them to be accessed using any modern web browser without any special configuration.

The same interface you view and interact with on your desktop or laptop can be accessed with full read/write functionality on your favorite smartphone or tablet.



THE SAME MIMICS VIEWED IN YOUR DESKTOP BROWSER CAN BE VIEWED IN ANY OTHER MODERN WEB BROWSERS WITHOUT PLUG-INS OR ADDITIONAL CONFIGURATIONS.





Get Your IoT Pilot Project

Looking to create a pilot project or proof of concept for your devices in the cloud?

SERVICES PROVIDED BY B-SCADA AND B-SCADA'S PARTNERS

In addition to providing the technological infrastructure needed for system implementation, B-Scada and its global partner network are able to provide a wide range of high quality professional services, including:

- ◆ Consulting & Planning
- ◆ System Integration
- ◆ Custom Development
- ◆ Graphic Design
- ◆ Training



B-Scada will produce a pilot project customized to your business with two or three screens of live data connected to one of your devices. (Your device must connect to Status Device Cloud using one of the many data connectors already supported by the system. [Contact us](#) with any questions).

We will create your information model, connect your live data, and design your mimic(s) according to your vision and your brand.

Also included are two hours of training on the system so you can take over the project yourself and build your own solutions for your customers using Status Device Cloud.

Pilot Project Price: \$995

Contact Us for More Information



B-SCADA'S CUSTOMERS

B-Scada has provided licensing and/or technical training and consultation to organizations of all sizes; from government agencies and small businesses to industry leaders and Fortune 500 companies throughout the world.

Recognizing the unique capabilities of B-Scada software and our development teams, multiple Fortune 500 companies have adopted portions of our technology to use in their industrial product offerings.

"The thing that we appreciated most was all the support given by the B-Scada staff; there are always questions when trying something new and B-Scada was always quick and professional to answer all our questions."

*Konstantin, Engineer
ATM, Ltd.*



About B-Scada

B-Scada is dedicated to quality in everything we do. Our customers, partners, and investors receive the same care and commitment to results that made us who we are today.

No outsourcing or subcontracting service or support. Our dedicated support staff still works alongside our sales and development teams in our corporate office in Crystal River, FL., with Spanish-language training and support offered from our office in Spain.

We stand behind our products and services, and we remain committed to our guiding principles of honesty, integrity, competence, and value. We recognize that each customer is unique in their requirements, values and corporate culture, and we tailor our solutions to include a value proposition that is distinctively for them.

Call today or visit: www.scada.com





B-Scada

Beyond Scada®



IoT Solutions
Partner

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