

Data Acquisition and Visualization Solutions

IoT * SCADA * HMI



Software
Sensors
Custom Development
Screen Design
Training



Beyond SCADA

CONNECTING SENSORS, SYSTEMS, DEVICES AND DATABASES WITH THE PEOPLE WHO USE THEM

Since 2003, B-Scada's focus on user interface design solutions for Windows and web applications has given us a unique perspective and insight into the data visualization market.

Our software solutions are reducing resource consumption, increasing productivity, and improving safety all over the world in industries like manufacturing, building automation, water treatment, energy management, and other fields of business relying on real-time data visualization to manage their processes.

With a background in heavy industrial software technology, B-Scada has pushed beyond the traditional boundaries of SCADA (Supervisory Control and Data Acquisition) to bring our technology to light industrial, commercial, and residential customers as well.

Flexible Solutions for Your Needs

B-SCADA SOFTWARE SOLUTIONS ARE FULLY CUSTOMIZABLE TO CONFORM WITH YOUR ORGANIZATIONAL GOALS

DATA TRANSFORMATION SOLUTIONS FOR:

- Energy Management
- Facility Automation
- Manufacturing
- Oil & Gas
- Power Utilities
- Transportation and Logistics
- Water and Wastewater

PROFESSIONAL SERVICES:

B-Scada provides a number of quality professional services to companies large and small; from government agencies and small businesses to Fortune 500 companies:

- Consultation and Training
- Custom Development
- Custom Design

HMI/SCADA SOLUTIONS

From machine-level HMI software to enterprise-level SCADA software, B-Scada leverages the latest technology and industry standards to provide powerful, stable, and modern solutions to industrial customers.

IoT Solutions

From low-cost cloud-based solutions hosted and managed by B-Scada to a full IoT application development platform that allows users to create powerful customized applications with ease, B-Scada is making IoT technology accessible to all.

Wireless Sensors

B-Scada provides quality sensors for both commercial and residential applications that can record information like temperatures, voltages, humidity levels, motion, pressure, and much more. B-Scada's sensors are used to monitor and manage everything from swimming pools and parking lots to large facilities and industrial complexes.



MACHINE TO ENTERPRISE

From easy-to-use machine-level HMI (Human Machine Interface) software to sophisticated enterprise-level SCADA (Supervisory Control and Data Acquisition) that connects plant floor and business processes in real time, we have solutions for every industrial application

WEB SOLUTIONS

B-Scada has remained at the forefront of web-based data visualization technology, creating powerful applications that can be accessed on any device with a web browser. Your web-based HMI/SCADA project could not be in better hands.

CLOUD SCADA

As part of B-Scada's commitment to employing the very latest technology to serve our customers, B-Scada leverages the power of cloud computing to offer customers hosted SCADA solutions on a subscription basis.



HMI/SCADA Software



SOFTWARE SOLUTIONS FOR EVERY INDUSTRY

B-Scada's software has been deployed all over the world in numerous industries. From operator-level HMI solutions for process control, to management-level SCADA solutions for data integration and process optimization, B-Scada's industrial software solutions increase operational efficiency, improve production quality, enhance safety, and reduce the cost of operations and maintenance.

WHAT ARE SOME ADVANTAGES OF B-SCADA'S SOFTWARE

B-Scada's Status product line offers data visualization solutions for a variety of business problems. While primarily used to monitor and control industrial processes, our software is fully extensible and customizable to adapt to any number of business needs. You can find B-Scada's software performing tasks as diverse as processing financial transactions in Angola and managing IT resources in Taiwan.

Customers are always finding new ways to use B-Scada's software because the software is so versatile—but also because there are a number of advantages B-Scada's software has over other products. Some of the advantages our customers have cited include:

- Ease-of-use and speed of deployment
- High quality graphics
- Web compatibility
- Ability to communicate with custom data sources
- Ability to customize and extend
- Great service and support



Status Enterprise

A Real-Time, Enterprise-wide View of Your Process and Business Data from Anywhere at Any Time.

SYSTEM OVERVIEW

Status Enterprise is a management-level HMI/SCADA system engineered to bring together and organize plant floor data with other enterprise information to improve the efficiency and quality of your operations by enabling faster, better-informed decisions.

Status Enterprise includes the following components:

- ◆ **Status Enterprise Server:** OPC UA Server, Historian, Calculation and Alarm Server
- ◆ **Status Model Designer:** Designs the Information Model for your process
- ◆ **Status Enterprise Gateway:** For mobile and browser access to your mimics (HMI screens) via HTML5.
- ◆ **Status Mimic Designer:** Drag-and-drop HMI designer for Windows and Web.
- ◆ **Status Application Designer:** Design customized and extensible HMI applications using .NET and C# or Visual Basic.
- ◆ **Status Model Browser:** Windows client for browsing real-time and historical data.

Status Enterprise was designed for today's data-driven industrial enterprise, ideally suited for monitoring and managing large numbers of assets and assets that may be in different locations. Visualize your real time data and alarms, manage and organize your assets, integrate with other Enterprise systems, collaborate, analyze and archive data. A customizable information model brings together and organizes plant floor data with other enterprise information, allowing you to improve the efficiency and quality of your operations by making better informed decisions.

Status Enterprise 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™.

A Vehicle for Business Transformation

BEYOND PROCESS CONTROL, YOUR STATUS ENTERPRISE SYSTEM IS A TOOL FOR GROWTH AND OPTIMIZATION.

By incorporating information modeling, Status Enterprise changes everything you thought you knew about SCADA. By bringing together and organizing data from every corner of your organization, you are empowered to find new opportunities for optimization and improvement. Maximize the value of your assets and the efficiency of your personnel.

Your Status Enterprise System will help you:

- ◆ Reduce Downtime
- ◆ Reduce Operation and Maintenance Cost
- ◆ Improve Operational Efficiency
- ◆ Improve Production Quality
- ◆ Improve Safety
- ◆ Access Your Data from Anywhere on Any Device
- ◆ Optimize your Processes and Identify Opportunities for Growth



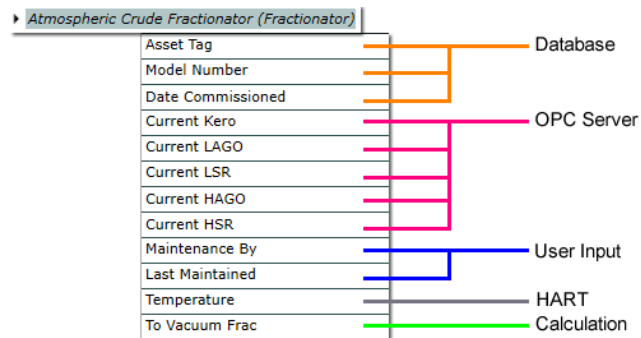


Information Modeling

Information Modeling in Status Enterprise provides a bridge between production and other business processes, enabling an information management and visualization system that embraces your entire enterprise—from the plant floor to the boardroom.

How It Works

An Information Model is a virtualized representation of your enterprise and all relevant assets—as well as the properties of those assets and the relationships between them. Your Information Model can be composed of data from multiple sources, and this is what provides the organizational structure and context that transforms your data into actionable intelligence.



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)

YOUR CONNECTED ENTERPRISE

Your Status Enterprise Information Model can include data from every corner of your enterprise. Use OPC to connect to hundreds of plant floor devices from manufacturers like Siemens, Allen Bradley, Yokogawa, and many others. Include business data from dozens of ODBC data sources including databases from SQL Server, Microsoft Access, Oracle Database, and many others.

Data connectivity for Status Enterprise includes OPC UA, OPC DA, Modbus, HART, Excel, SQL and ODBC data sources, as well as sensors from B-Scada and other vendors such as Monnit and B+B SmartWorx. Custom data sources can also be supported.



The Many Benefits of Information Modeling

Rapid Development

Design and develop your system independent of your data sources. Get up and running without downtime.

Intelligent Workflow

Automate machine-to-machine and business-to-machine tasks. Use workflow for predictive maintenance and optimization.

Easy Scalability and Maintenance

Add or change equipment, locations, or processes with ease by updating your information model.

Reusable Screens

Create mimic (HMI) templates for a specific type of asset and reuse those templates for all instances of that type.

Streaming Analytics

A calculation server enables real-time calculations that can involve any of the properties in your model for unprecedented

Enhanced Asset Management

Include data from multiple sources as properties of a single asset. Include media like images and documents.



HTML5 Web Access

HTML5 Mimics can be accessed in any modern web browser — including on smartphones and tablets.



SYSTEM FEATURES

Status Enterprise is a complete system built around an intelligent information model. There are no separate modules to purchase. Every Status Enterprise System will include:

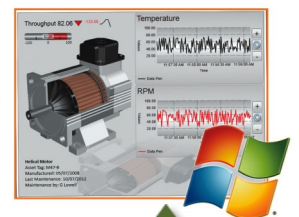
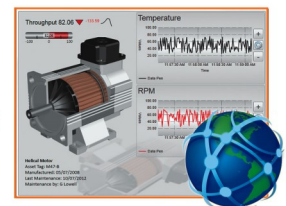
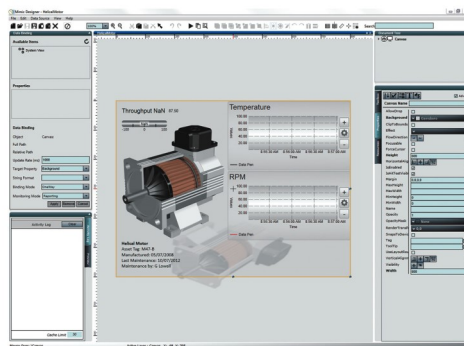
- ◆ Real-time and Historical Data
- ◆ Alarming
- ◆ Logging
- ◆ Calculations
- ◆ Workflow
- ◆ Reporting
- ◆ User Roles and Workspaces
- ◆ Web and Mobile Access
- ◆ SQL Server Back-end.

Design Once, View Multiple Times

THE SAME MIMICS VIEWED ON YOUR DESKTOP SYSTEM CAN BE VIEWED IN WEB BROWSERS WITHOUT PLUG-INS OR ADDITIONAL CONFIGURATIONS.

Reduce your development time while also providing a web solution that will run on any device without the need for browser plug-ins—unlike Java or ActiveX solutions.

HTML is the native language of web browsers, and is supported on Apple devices, Android devices, Blackberry devices, and any other device with a modern web browser.





Status Machine

Design, connect and view your real time data in minutes.

Status Machine Edition is an easy to use HMI/SCADA data monitoring system designed for quick results. Create high quality user interfaces for manufacturing and other process control industries that require real time and historical monitoring of data. Status allows you to quickly and easily create high quality graphical representations for your HMI (Human Machine Interface) and SCADA (Supervisory Control and Data Acquisition) systems.

SYSTEM OVERVIEW

Status Machine Edition is an easy-to-use operator level HMI system . Control your process, archive data, view alarms, design, connect and view your real time data in minutes.

Status Machine Edition include the following components:

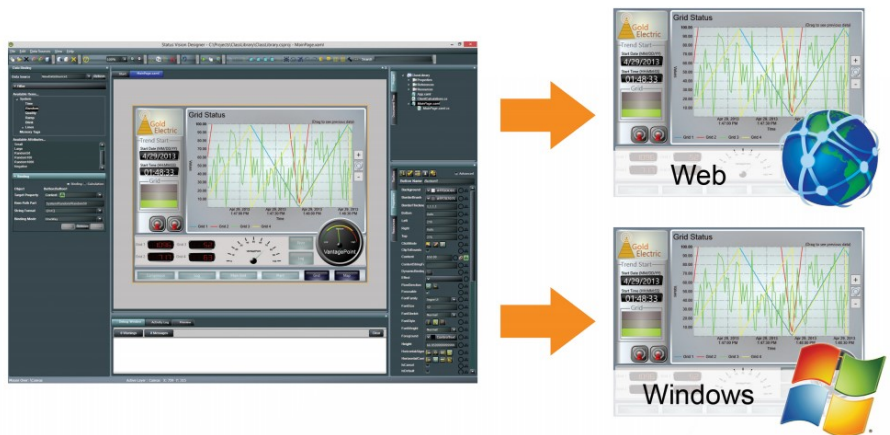
- ◆ **Status Server:** Historian, Calculation, Batch and Alarm Server
- ◆ **Status Vision Designer:** Drag and Drop HMI Designer

Data connectivity for Status Machine Edition includes OPC UA, OPC DA, SQL and ODBC data sources. Custom data sources can be supported.

REAL TIME, REAL EASY[®]

WITH SOME OF THE BEST HMI DESIGN TOOLS IN THE INDUSTRY AND AN INTUITIVE POINT-AND-CLICK DESIGN ENVIRONMENT, STATUS MACHINE EDITION IS YOUR MACHINE-LEVEL HMI SOLUTION.

Status Machine Edition can be used to display data from any OPC data source and can also be extended to display data from other sources. Unlike traditional HMI and SCADA solutions, Status can eliminate the problems associated with DCOM configurations, firewall security settings, and other limitations imposed by network infrastructures with the help of Status Server. Status Server utilizes a web service to transport data from the data source to the Status Designer for consumption by the screens and is not hindered by these issues that normally cause problems when trying to expose data across a network.





Status Machine

Design, connect and view your real time data in minutes.

Status Machine Edition has been deployed all over the world in industries like manufacturing, water treatment, building automation, and transportation, but the flexibility and ease-of-use has led customers to find new applications for the software, such as monitoring financial transactions and managing IT resources. The possibilities are nearly endless, thanks to the intuitive design and powerful features.

SYSTEM FEATURES

Status Machine Edition is designed for ease-of-use and fast deployment, but it is a powerful system that includes all of the features of high-end HMI/SCADA systems:

- ◆ Real-time and Historical Data
- ◆ Alarming
- ◆ Logging
- ◆ Calculations
- ◆ 80+ Customizable Controls for HMI Design

Point-and-Click Architecture

Create modern, compelling HMI screens for Windows or the Web without a single line of code. Choose from over 80 customizable controls and your real time data is just a few mouse clicks away.

Multiple Data Sources

Real time communication with OPC DA, OPC UA, OPC HDA, OPC AE, OPC XAML DA Servers, and ODBC databases. Custom data sources can be written, allowing data from almost anywhere.

Extensible

Complex applications can be created without programming, but Status Machine was designed to be fully customizable. Projects can be extended in using C# or Visual Basic.

Web Accessible

Status Machine publishes to Microsoft Silverlight, a powerful platform for creating interactive user experiences on the web. Silverlight is a browser plugin supported by Internet Explorer, Firefox, Safari and Chrome on both Windows and Macintosh operating systems.





VoT Platform

Create Custom IoT (Internet of Things) Applications with Ease

B-Scada's VoT Platform leverages all of the accumulated knowledge and technical expertise that made B-Scada a leading name in industrial software development and applies it to the IoT.

Now light industrial, commercial, and residential customers can have access to same powerful data acquisition and visualization technology, and use it to easily develop custom applications for the IoT.

Virtualization of Things is used for a wide and ever-expanding array of applications.

VIRTUALIZATION OF THINGS

The Internet of Things (IoT) is the interconnection of billions of 'things' on the existing Internet infrastructure.

Combining assets, processes, and people in a network of continuous communication that can reduce resource consumption, improve efficiencies, and automate nearly everything, the IoT promises to change the way we interact with each other and the world around us.

The foundation of the VoT (Virtualization of Things) Platform is the creation of an Information Model which 'virtualizes' the assets you want to monitor - in the same way that the contacts in your phone are virtualizations of people you know.

Facility Management
Remotely monitor and control your home or business's HVAC systems, lighting, elevators, security and fire systems, etc. Reduce maintenance and energy costs and improve the comfort and safety of occupants.

Agriculture
From irrigation to pest control, the IoT is already making a huge impact in agriculture. Reduced resource consumption and increased yield are very real, very tangible benefits gained from IoT technology.

Transportation
Subways, buses, trains, truck fleets — there are numerous opportunities to improve efficiency and eliminate waste through more intelligent management. The IoT is transforming transportation in cities around the world.

That's just the tip of the iceberg. The VoT Platform has been deployed to monitor everything from swimming pools to recycling plants. VoT can be used to monitor and manage physical assets, digital assets, financial assets, IT resources, human resources - any and all 'things' about which data can be created or gathered.

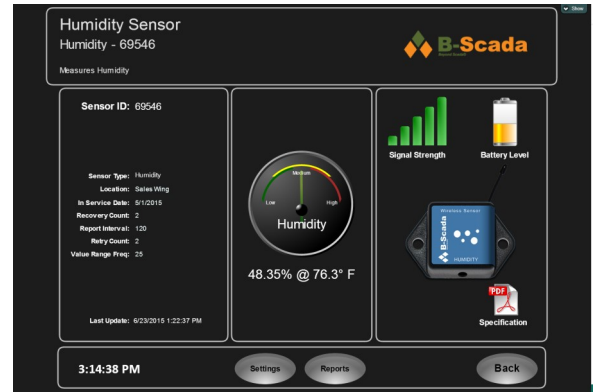




VoT Solution

Get Your IoT Solution in Place Today, Quickly and Easily.

B-Scada's VoT Solution is a cloud-based solution that allows you to benefit from sensor data without investing in the VoT Platform. You simply place your sensors where you need them, log in to the VoT Solution gateway on any device with a web browser, and you can start viewing your real-time sensor data right away.



YOUR SHORTCUT TO THE IOT

We know from our experience with customers of every type and size that not every person is able to take advantage of the IoT in the ways they would like.

That's way B-Scada created the VoT Solution. It allows customers to access the VoT Platform on a subscription basis as it is hosted and managed by B-Scada.

This significantly reduces the barrier of entry to the IoT for more budget-conscious consumers and gives them an opportunity to benefit from the additional sensor intelligence without investing in the full platform right away.

It also serves as a stepping stone for those who would like to work toward developing a custom application later.

The VoT Solution is not simply a view of your real time data. You also get trended historical data, numerous personalized settings, configurable alarms and alarm notifications sent by email.

A Step Up to Your Platform

As a VoT Solution customer, you will also have access to the B-Scada Mimic Designer, which allows you to start creating your own custom graphics. That means you can have your network of sensors in place with customized settings and alarms, along with your custom graphics and dashboards. You are well on your way to a full, robust IoT application.

You can then use VoT Platform to bring in other data sources, add custom calculations, configure workflow for task automation, or add whatever other functionality you desire, giving you a sophisticated, custom application for a fraction of the time and money it would require to develop your own.



B-Scada Sensors

The Missing Piece in Your Solution.



INTELLIGENCE WHERE YOU NEED IT

In today's connected world, we are able to access more information than ever before. Nearly everywhere you look, there is information to help you make decisions about your surroundings, whether it be a flight status board you see when traveling or the 7 day weather forecast.

It is now easy and relatively inexpensive to gather similar information from other 'things'.

Adding B-Scada's sensors and software technology to a physical object or system transforms that object into something more intelligent, giving it an awareness of its conditions and environment, and empowering it to make decisions.

B-Scada is committed to providing complete turnkey solutions to customers who need them. There are no worries about hardware or software compatibility. There is no confusion about cost or difficulty in getting the right training or support.

Our experience has taught us that piecemeal solutions can be far more problematic than they are valuable.

That's why B-Scada also offers a full range of low-cost wireless sensors, relays and gateways for residential, commercial, and light industrial customers who are looking for a full solution.



Success is Inevitable

You can always be certain that B-Scada's sensors will work correctly with B-Scada's software. In fact B-Scada's Sensor Server can communicate with not only B-Scada sensors, but sensors from other manufacturers like Monnit or B+B SmartWorx, providing the full power of our platform to enhance that sensor data as well.

B-Scada provides sensors for both commercial and residential applications that can record information like temperatures, voltages, humidity levels, motion, lux, pressure, and much more.

Are you ready to be another IoT success story?



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.

Testimonials

"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.

"If we had a question ... B-Scada was quick to respond with outstanding service...B-Scada went above and beyond to answer and make sure that we were on the right path."

SangKee, System Integrator, Jeo and JongBo

"The most valuable benefit from using a Status solution is the quick support and ease of use. I would highly recommend this product."

Kevin, Facilities Superintendent, A.P. Plasman



B-Scada's Vision

"Our vision is to be a global leader in the access and visualization of information, which enables our industrial and commercial customers to maximize employee effectiveness and productivity, reduce unscheduled downtime, minimize the risk of accidents and increase production quality."

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





Software
Sensors
Custom Development
Screen Design
Training

B-Scada is a proud member of:



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