Data Acquisition and Visualization Solutions

Software
Wireless 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

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.

Consulting Services
B-Scada’s team of developers and designers have provided world-class service and consultation to customers in a wide range of vertical markets. We are ready and able to assist you with training, custom development, screen/graphic design services, and can serve as consultants ensuring that your systems are effectively developed and designed, and your staff is fully prepared for implementation.
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.

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

Unlimited Licensing—Zero Cost

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.

With our new Professional Services Model for SCADA, you can have a world class Supervisory Control and Data Acquisition system running in your facility for free. No catches, no gimmicks.

Status Enterprise is a modern, information model based SCADA system designed to connect facilities with the rest of the enterprise. Aggregate and organize data from local or geographically disperse assets and systems into a consolidated, well-organized solution for alarming, archiving, analytics and real-time data visualization. The Status Enterprise platform is built on OPC UA (Unified Architecture).

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

BEYOND SCADA
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
- Users and User Files (documents, images, videos, etc.)
- Security Settings (user roles and workspaces)

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.

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, Excel, SQL and ODBC data sources, as well as sensors from B-Scada and other vendors. Custom data sources can also be supported.

Information Modeling

Your information model also contains:

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

B-Scada’s Mimic Designer application allows users to create custom graphics for visualizing and analyzing both real-time and historical data. Dozens of customizable controls include:

- Trend Graphs
- Bar, Pie, Bubble and Scatter Charts
- Gauges
- LED Displays and Lights
- Data Grids
- Alarming Controls
- Form Fields
- Numerous Types of Labels and Text Blocks
- Value-Based Color Conversions
- Media Controls for Documents, Images, Web Pages, etc.

**Mimic Designer**

Point-and-Click Graphic Design for Creating Custom, High Performance Data Visualizations.

B-Scada’s Mimic Designer is an essential part of both the Status Enterprise and Status Device Cloud platforms. It is provided at no additional cost to all B-Scada sensor customers.

**Create Custom Solutions**

The B-Scada Mimic Designer allows anyone to create spectacular graphic displays using any of dozens of fully customizable graphic controls. Great for resellers or private label applications.

**No Engineering or Programming Experience Needed!**

The Mimic Designer’s intuitive point-and-click interface allows anyone to start making custom graphics right away, regardless of your experience level.
**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
- 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.
SUPPORT SERVICES

Basic support through ScadaUniversity.com and the B-Scada user Forum is included with all products.

Premium support may be ordered as required at an hourly rate ($100/hr.). Premium support includes email and phone support for:

- **Technical Support** - Questions, troubleshooting and advice
- **Training** - Online or onsite
- **Model Design** - Evaluation and implementation of best practices for model design
- **Screen Design** - Design and development of mimics for your data
- **Custom Data Connectors** - Development of additional device connectivity to the B-Scada system
- **Features** - Development of new features may be done in a cost sharing manner. Features for a particular customer are billed at the standard rate.

The Professional Services Model for software has been around for a long time. The basic premise of the model is the software is free and services such as consulting, installation, support and training are only available at a fee. The Open Source community and companies like Red Hat are prime examples of this model.

In the use of the Status Enterprise System, we see a wide variety of companies with projects of varying degrees of complexity. Many projects are simple, and do not require support from B-Scada staff at all. Others are very complex, pushing the system to the edge of its ability and requiring a great deal of technical support from B-Scada. Yet the price paid by the client for each of these solutions is the same.

We believe that simpler projects and projects executed by seasoned SCADA professionals who need little to no assistance with their solutions should get a better rate on Status Enterprise. Projects that are highly complex, cutting edge and require a great deal of technical support should be billed more.

The most logical way to address this disparity is to base the price of the system on the amount of support required and not the price of the software. As such B-Scada has now moved to a Professional Services Model for its Status Enterprise system. Status Enterprise is now available freely for download. Basic support (B-Scada Forum and ScadaUniversity.com) are included with the system. Premium Support is also available if needed.
A CLOUD HOSTED SOLUTION FOR YOUR SENSORS AND CONNECTED DEVICES

Status Device Cloud is an application development platform hosted in Microsoft Azure. It combines all of the information modeling, analytics, visualization, and other features of Status Enterprise with the reliability and scalability of Azure.

An ideal software platform for industrial IoT and smart city applications. Status Device Cloud transforms real time data from sensors, network devices, databases, and numerous other potential data sources into actionable intelligence that can lead to a smarter, safer, more efficient and less wasteful world.

B-Scada’s Status Device Cloud 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 B-Scada’s industrial customers have enjoyed, and use it to easily develop custom applications for the IoT.

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. Status Device Cloud has been deployed to monitor everything from swimming pools to recycling plants. Use it 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.
Status Device Cloud

A Perfect Compliment to Your Wireless Sensor Network

Whether you have an existing sensor network or you are the market for some wireless sensors, you will not have a complete solution until you choose a software platform that will help provide context to your real-time sensor data.

When you choose Status Device Cloud, you not only have a world class solution for your sensor data, including tools for alarming, automation, analytics, and high performance visualization, you also have the ability to bring other data sources into your model—from networked devices and databases to real-time user input and relevant media like images, videos and documents.

A CLOUD HOSTED SOLUTION FOR YOUR SENSORS AND CONNECTED DEVICES

Status Device Cloud is an application development platform hosted in the cloud. It combines all of the information modeling, analytics, alarming, visualization, and other features of Status Enterprise with the accessibility and scalability of the cloud.

This is an ideal software platform for industrial IoT and smart city applications.

The B-Scada Advantage

B-Scada develops world class data acquisition and visualization software to collect and analyze data from hundreds of potential sources, but software is just part of the story. B-Scada also develops high quality wireless sensors to help bring additional data into your solution.

B-Scada sensors are pre-configured for out-of-the-box compatibility with your software solution. Light duty and heavy duty options are available for a wide range of applications.
B-Scada Wireless Sensors

Low Cost, Long Range, and Preconfigured for Plug-and-Play Operation

B-Scada’s S-Series sensors were developed to provide a high quality, low cost option for light duty wireless sensors.

Plug-and-Play Functionality
B-Scada sensors are pre-configured to communicate with Status Device Cloud for easy installation and instant data access. Set up is as easy as 1, 2, 3!

1. Place Sensors
2. Log In
3. View Data

Long Range
B-Scada sensors use signal hopping to communicate over longer distances than comparable sensors, so there is no need to purchase signal repeaters or extra gateways.

Custom Visualization
B-Scada sensor customers also receive free access to the Mimic Designer application for creating custom, high performance visualizations of your sensor data.

APPLICATIONS
B-Scada’s S-Series wireless sensors are low cost, long-range, plug-and-play sensors for use in residential, commercial, and light industrial applications, including:

- Homes and Offices
- Data Centers
- Barns and Animal Shelters
- Boats and RVs
- Restaurants
- Convenience Stores
- Any environment protected from weather or harsh conditions

NOTE: B-Scada sensors can be white labeled for VARs and system integrators interested in selling custom sensing solutions. When combined with the custom graphics created using our Mimic Designer, B-Scada offers unprecedented opportunities for resellers. Visit www.scada.com 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.

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
Wireless Sensors
Custom Development
Screen Design
Training

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