Your Enterprise-Level SCADA Solution
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An Enterprise-Level SCADA system for Shop Floor to Top Floor Integration.

SYSTEM OVERVIEW

B-Scada's Status Enterprise is a modern, information model based SCADA system designed to connect plant floor processes with the rest of the enterprise. Aggregate and organize data from local or geographically disperse assets and systems into a consolidated, well organized information model for alarming, archiving, analytics and real-time visualization.

The Status Enterprise 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™.

Annual or Perpetual Licensing Available

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
- Alarms and Real-Time Notifications
- Logging
- Calculations
- Reporting
- Form Design
- User Roles and Workspaces
- Web and Mobile Access
- SQL Server Back-end.

BEYOND SCADA
Status Enterprise provides a vital set of tools for remote management, alarming, automation, and reporting. Users can access the system with any mobile device or tablet with a web browser.

The Status Enterprise system includes a Data Model Designer, Graphic Design Tools, Workflow, Reporting, a Historian and other Services.
Your Status Enterprise 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 Enterprise includes OPC UA, OPC DA, SNMP, MQTT, REST, Bar Code, GPS, Domoticz, Empress, SQL and ODBC data sources, Excel workbooks, Allen Bradley, BACnet, Modbus and Siemens S7 devices, as well as Monnit, Libelium, Advantech Wzzard, and B-Scada sensors. Custom data sources can also be supported.

Information Modeling Revolutionizes Data Management

An Information Model (data model or ontology) is a virtualized representation of your systems 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.
“I would recommend this product to all engineers and specialists. The new methods for constructing SCADA, and the speed of work and quality graphics are very refreshing to work with.”

Konstantin, Engineer
ATM, Ltd.

“I am impressed. The quality is good as well; it’s refreshing to work with a HMI with such a modern look & feel.”

Terry Price
Easymatics
easymatics

Your Information Model allows you to maintain ‘virtual’ versions of your assets in the cloud, and manage them remotely from anywhere with a web connection.

Your Mimics (graphic displays) can be used to visualize any property in your model, regardless of where the data originates.

These data bindings can be read-only or bi-directional, allowing you to write new values back to the original source. This can be done using standard form fields, rating controls, and an assortment of buttons, switches, sliders and more.
“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

“The 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

Information Modeling in Status Enterprise 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
- Users and User Files (documents, images, videos, etc.)
- Security Settings (user roles and workspaces)

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
REAL-TIME SITUATIONAL AWARENESS

All of the data items included in your Status Enterprise 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.

Alarming, Trending, and Reporting
Track and Compare

Alarms and Notifications

Status Enterprise allows you to create 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, commented on, or acknowledged (PC only) in runtime on your mimics.

Real-Time and Historic Trending

Trending tools in Status Enterprise include a quick and easy trend viewer in the model browser and a robust set of trending tools in both designer applications. Trends can be in real-time or historical, include multiple pens, be displayed as lines or bars, and provide many other customization options, many of which can be edited in runtime.

On-Demand and Automated Reporting

Reports can be generated on demand or automated based on a specified scheduled or based on particular conditions. Reporting tools include bar charts, pie charts, bubble and scatter plot charts, historical data grids, and many other visual tools.
Use any of dozens of built-in calculations to analyze incoming data in real time, or easily create and add your own custom calculations.

Use a powerful statistics server to automate tasks: write new values, send messages, generate reports, make web service calls, and more.

**Calculations**

Status Enterprise includes dozens of built-in calculations that can be configured in the Data Model Designer, including arithmetic functions, unit conversions, trigonometric functions and more. Or use your .NET programming skills to add custom calculations.

**Statistics Server**

The Status Enterprise Statistics Server allows users to define tasks that will collect statistical information like uptime, downtime and collection statistics, and can be used to automate additional tasks. Use the Statistics Server to set values, create objects, automate reports, make web service calls and more.
HTML5 Web Access
Anywhere. Anytime.

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

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.

NATIVE WEB SUPPORT

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

Mimics created in the Mimic Designer as XAML (Extensible Application Markup Language) documents are automatically converted to HTML5 web pages by the Web Gateway. 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 Windows PC can be accessed with full read/write functionality on your favorite smartphone or tablet.
Open and Extensible Advanced Customization

Status Enterprise includes allows users of any skill level to create sophisticated custom applications without writing any code, using a simple point-and-click interface.

Some users, however, may want to use their programming skills to extend or add functionality.

Options for Developers

Status Enterprise is built on OPC UA (Unified Architecture) using Microsoft’s .NET framework. An open object model makes it easy to extend or modify features and functions of the system.

✓ OPC UA (OPC Foundation)
  - C++
  - Java
  - Python
  - More...

✓ .NET Object Model
  .NET library that allows you to programmatically access the Status Server with higher level classes. You can monitor properties on assets for value changes, create new objects on object model, monitor alarms, update property values and generate a data model.

✓ REST (HTTP Get/Set)
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.

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.
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.

“Whenever we had a question that needed to be answered, B-Scada went above and beyond to answer and make sure that we were on the right path.”

SangKee
Jeo & JongBo

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