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DBDOC

for your ABB® Symphony Plus® and AC 800M® Systems

DBDOC – Essential for your ABB® Symphony Plus® and AC 800M® Systems

What is DBDOC? DBDOC builds a **safe, read-only snapshot** of your ABB® Symphony Plus® and AC 800M® DCS systems, presenting an **integrated view** of the configuration, graphics and databases, as well as other resources such as P&IDs, OSISoft PI®, AutoCAD®, MicroStation® drawings, and PDF documentation. This snapshot is like a custom website representing your system, an **amazing interface for troubleshooting and analysis**. Every document and resource is cross-linked, and navigable using the intuitive point and click interface. Powerful search capabilities give instant access to any part of your system. Built-in tools and analysis reports help you eliminate misconfiguration and improve your system. DBDOC also supports older versions of these ABB and other tools

How DBDOC is used. DBDOC meets a variety of needs for users of ABB DCS systems:

- Troubleshooting and analysis
- System documentation
- Off-site live data & analysis
- Safe training environment
- Safety & function audits
- System conversions
- Read-only live data (SPlus)
- Recording changes (SPlus)
- Portable system

Safe live data. Using a **completely read-only** interface, DBDOC for SPlus can fetch live data for any block in your system (even non-tagged blocks), and display it on the relevant graphic or configuration drawing. **Lightweight trending** capability is built into DBDOC to make it easy to collect, log, and analyze data. Data can be **fetched safely** in these ways:

- Using a secure network connection to our program.
- Using relay programs to cross multiple firewalls.
- Using CIUMon in "collector" mode to avoid initiating contact from outside the DCS to inside.
- Using a serial connection to a program in the protected zone.

Supported INFI 90 and AC 800M® software. DBDOC is compatible with the whole family of ABB® Symphony Harmony / INFI 90® and AC 800M® family software, including:

- Symphony Plus Engineering®
- Composer®
- Conductor VMS & NT
- Control Builder®
- Symphony Plus Operations®
- Process Portal B®
- PCView
- Function Designer®
- 800xA PG2® and VB
- WinTools®
- OIS / MCS
- Unified Sequence Logic

Supported third party applications. Resources like **OsiSoft PI®, AutoCAD® and MicroStation®** drawings can be cross-linked automatically. DBDOC also increases the effectiveness of a graphics conversion project from any ABB® Symphony Harmony / INFI 90® family HMI to another system.

DBDOC clients. DBDOC is used at **over 300 sites** around the world. For over twenty-five years, your colleagues have chosen DBDOC to give their ABB® Symphony Harmony / INFI 90® systems the very best support available.

Help and support. DBDOC comes with **in-depth documentation**, training manuals, interactive tutorials and more. Training sessions and workshops are held regularly at sites around the world, and can be arranged at your location. In addition, we provide **outstanding phone and email support** and always address client issues quickly and effectively.

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DBDOC Essential for your ABB® Symphony Plus® and AC 800M® Systems

Safe system snapshot. DBDOC for Symphony Plus allows instant, effective access to a snapshot of your entire system, coupled with a safe, read-only view of live system data. Giving this information to engineers, operators, technicians, and managers invariably results in significant productivity gains.

Licensing. We now offer licensing by annual subscription to complement our traditional **economical unrestricted license.** Both make DBDOC available for an unlimited number of users at your site. Single user licenses and more restricted conversion licenses are also available. Contact us to discuss your needs.

Only DBDOC provides these essential features in one package:

Troubleshooting and analysis. Signal Tracing. Live data display & trending.

- **Double-click signal tracing**. Double-click on a graphic to get to the tag. Double-click on its input to get to its source. **Anybody can easily navigate to the slave or logic**.
- **Read-only live data displayed on graphics and configuration**. DBDOC shows live data on the outputs of the function blocks and on their inputs.
- **Lightweight data trending**. DBDOC provides full interactive plotting capabilities for live data from any block in your system, even those that are not exception-reported.

Used in NERC compliant sites, networked live data. Low bandwidth. Remote access.

- **NERC compliant, networked live data.** DBDOC allows authorized users read-only access to how your system works from anywhere.
- **Increase live data bandwidth 2-10x with RoviSys Turbo®.** Using add-on server RoviSys Turbo® to interface with the CIU can greatly increase data rates while simultaneously decreasing load on the nodes. The increased bandwidth is also available to Composer software.
- **Increase live data access by multiplexing with existing CIU connections**. RoviSys Turbo® can also be used to multiplex EWS and DBDOC connections to the CIU from your DCS or business LANs. You can get more value out of the CIU attached to your EWS right now. Additional real-time data becomes available with each CIU you share using RoviSys Turbo®.

System cleanup and consistency. Conversion support.

- **Essential reports and error summaries are automatically built into the system snapshot**. Lists and displays of unused tags, unconfigured graphics, blocks with no source in the configuration, and much more are easily accessible.
- **DBDOC identifies configuration errors and displays them in a dedicated error browser**. DBDOC checks for hundreds of different errors and misconfigurations, ranging from the cosmetic to the critical, in your configuration drawings, graphics and databases. All the errors can be viewed in the integrated error browser, and interactively reviewed, hidden, or flagged for attention. This error review process can be shared among multiple users.
- **Conversion support**. DBDOC error checks and reports can tighten the system for conversion, and our display of the fields used in the graphics helps convert them correctly.

About G. Michaels Consulting Ltd

Since 1974, G. Michaels Consulting Ltd has specialized in software support of process control systems. Developed over the last twenty-five years from our experience with software-based process control systems, DBDOC is our flagship product. Installed worldwide, DBDOC is currently used in about 300 sites on nearly every continent. G. Michaels Consulting Ltd is based in Edmonton, Alberta, Canada.

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