

DBDOC – The Essential Companion for your ABB® Harmony INFI 90® System

What is DBDOC? DBDOC builds a **safe, read-only snapshot** of your Harmony INFI 90® DCS system, presenting an **integrated view** of the configuration, graphics and databases, as well as other resources such as P&IDs, OSISoft PI®, AutoCAD®, and MicroStation® drawings. 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 with the DBDOC browser you can navigate 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 can help you eliminate common misconfigurations and improve your system.

How DBDOC is used. DBDOC meets a variety of needs for users of Harmony INFI 90® systems:

- Troubleshooting and analysis
- Safe training environment
- Read-only live data
- System documentation
- Safety & function audits
- Recording system changes
- Offsite live data & analysis
- System conversions
- Portable system

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

- Using a secure network connection to our program;
- Using relay programs to cross multiple firewalls; or
- Using a serial connection to a program in the protected zone.

Supported INFI 90 software. DBDOC is compatible with the whole family of ABB® Harmony INFI 90® family software, including:

- DOS CADEWS
- Conductor VMS
- OIS / MCS
- WinTools®
- Conductor NT
- 800xA Process Portal®
- Composer®
- PCView
- Process Portal B®

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 Harmony INFI 90® family HMI to another system.

Graphics support. DBDOC has always provided integrated support for your console graphics. Support for **Process Portal® graphics**, the latest HMI for ABB® Harmony INFI 90® system, has now been added to DBDOC, and support for **PGP® graphics** is in the early stages of development.

DBDOC clients. DBDOC is used at **over 400 sites** around the world. For over ten years, your colleagues have chosen DBDOC to give their 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.

Licensing. Most clients take advantage of our **economical unrestricted license**, which makes 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.

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DBDOC allows instant, effective access to a snapshot of your entire system, coupled with a safe, read-only view of live system data. Our clients find that giving this information to engineers, operators and technicians, and managers invariably results in significant productivity gains for all.

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.
- **Save and export live data to other applications.** With a few clicks of the mouse, live data can be exported in a convenient csv file format for use in other applications.

NERC compliant, networked live data. Low bandwidth. Remote access.

- **NERC compliant, networked live data.** DBDOC lets you give anybody you allow read-only access to how your system works from anywhere.
- **Low bandwidth live data.** Standalone DBDOC avoids unnecessary data fetches of hidden data, maximizing data throughput
- **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 expensive CIU attached to your EWS right now. Additional real-time data becomes available with each CIU you share using RoviSys Turbo®. Our price sheet lists available RoviSys Turbo® servers.

System cleanup and consistency. Conversion support.

- **Essential reports and summaries are automatically built into the system snapshot.** Lists and displays of unused tags, unconfigured graphics, blocks with no source in the configuration, unused alarm tags, exported blocks and much more are easily accessible.
- **DBDOC identifies configuration errors.** DBDOC checks for hundreds of different errors and misconfigurations, ranging from the cosmetic to the critical, in your configuration drawings, graphics and databases. This error information can also be built right into the system snapshot.
- **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

G. Michaels Consulting Ltd – Since 1974, GMCL has specialized in software support of process control systems. Developed over the last ten years out of our experience with these software-based process control systems, DBDOC has become our flagship product. Installed worldwide, DBDOC is currently used in over 400 sites on every continent. We are a registered member of NERC. G. Michaels Consulting Ltd is based in Edmonton, Alberta, Canada.