Totalflow software systems
No matter the size of your operation, there is an ABB Totalflow software system designed to help you collect, configure, manage and distribute commodity and asset information more easily and more efficiently than you ever thought possible. ABB Totalflow software systems put you in total control.
Making sense of software

Why do some hardware providers require the purchase of a third-party software system to operate their equipment? Isn’t that like having to buy a car body from one dealer and the engine from another?

Everything about ABB Totalflow software systems is designed to make sense—logistical, functional and economical sense—for your operation. These remarkably easy-to-use software systems provide real-time measurement and control right out of the box, so you can quickly begin accessing and controlling your facilities from wherever you are.

They are open systems, compatible not only with all of our hardware and software systems but also with a wide range of non-ABB systems. And when we say compatible with all ABB hardware, we mean it—whether it’s the latest and greatest ABB product or the first model we ever made. The capabilities of ABB Totalflow software are continually updated, but never to the extent that they render classic Totalflow equipment obsolete. Our hardware is built to last a long, long time; our customers deserve software that keeps this hardware viable.

You also deserve accessible and effective support, which comes standard with every ABB Totalflow system. While our software systems are designed to be easy to set up and use, there are times when you might need help. The ABB Totalflow support staff—including project engineers with an average of 20 years’ experience each—is always on call to assist you with any software or hardware issues.

Take a look at ABB Totalflow software systems to see which ones make the most sense for your operation.
Totalflow software systems put you in total control

ABB Totalflow software systems

PCCU Local Configuration and Collection
This easy-to-use, Windows®-based software provides a local interface to all ABB field products—from NGCs to RTUs and everything in between. Ideal for collecting and managing data of relatively small well systems, PCCU Local Configuration and Collection software enables you to:
- Calibrate and configure all I/O
- Configure, collect and view historical data files
- Perform diagnostics and troubleshooting
- Print standard reports
- Program and monitor custom math and logic operations

WinCCU—EFM Host
This network-based software product provides connectivity among remote facilities in order to gather and manage all of your gas volume and energy data. WinCCU is legendary for providing accurate and reliable data; in fact, several Totalflow data-management and audit-trail ideas were used to establish the initial American Petroleum Institute standard for EFM custody transfer.
- Enables you to remotely collect data from and perform configuration of field assets
- Options to import non-Totalflow EFM data
- Options to provide graphical, SCADA-like screens for XSeriesG4 control applications
- Data validation functionality, that lets you use the computer to help identify problems
- EFM data editor, allowing you to correct anomalies while maintaining an audit trail
- Many standard reports with additional capability to construct custom configured reports
You may now remove “guess work” from your vocabulary

WebCCU internet
WebCCU Internet software enables the user to access the WinCCU long-term database via the Internet to monitor flow data, reports, alarms, trends and other critical, real-time information. This shrink-wrapped product can be installed and configured to provide browser-based presentations— including WinCCU reports and graphs—in an afternoon.

With WebCCU, you can designate authorized members of your organization to display WinCCU data on their Internet browser. So your marketing department can view current and previous days’ flow. Accountants can access billing data. Pumpers can track well conditions to prioritize their work. And engineers can load historical data into an Excel® spreadsheet, or export it to an analysis program to monitor decline curves or other reservoir characteristics.

Other advantages of WebCCU:
- Uses the IIS Windows® website application, so it’s easy to implement and maintain
- No ongoing maintenance beyond that which you perform with WinCCU
- Information can be tailored to your needs, e.g., tabular displays, trends, reports, and capability to export to Excel®

ABB SCADAvantage™
Designed to easily combine, replicate and distribute data to and from disparate sources, ABB SCADAvantage™ features scalability from a single, client-server system to multi-tiered, widely distributed, enterprise systems. Its sophisticated templating scheme makes it easy for your organization—as opposed to integrators—to add and delete facilities from the system at any time.

Other features of ABB SCADAvantage™ include:
- Rich suite of user-interface design elements that enables operators to navigate maps, trees and graphical objects
- Strong security model that provides full control of who can see and manipulate data, and who can send commands to field devices
- TCP/IP connectivity layers that allow remote monitoring and maintenance of the system
- Multi-protocol device interface that enables the system to communicate with all of your remote assets
- Alarming and notification by e-mail, pager, cell phone and SMS text
- Report generator for user-configurable reports
- Access to user-interface by Internet-enabled PDA or cell phone
- Powerful and flexible data-replication technology, allowing you to efficiently “push” the right information to the right user at the right time
Never have you felt so in control so far away

**TF.NET Internet / Intranet Database Navigation and Viewing**

TF .NET software provides browser presentation capability for virtually any database or OPC server. This enables you to operate a data service center providing targeted data for many types of users from multiple companies, all in a secure framework that ensures control of access to only the appropriate data.

With TF .NET ’s user-friendly Microsoft®.net technology, you can:

- Access standard WinCCU reports
- Post near-real-time data to an Internet site
- Review historically trended data
- Modify configuration data in remote devices
- Operate a secure data service center for multiple companies and/or users

**TDS32 OPC/DDE Driver**

TDS32 OPC/DDE Driver is a Totalflow protocol link to all OPC/DDE software systems. It is compatible with WinCCU software and can also serve as a stand-alone link to other systems. TDS32 OPC/DDE Driver software supports more than 50,000 tags.
**Totalflow protocol toolkit**

For companies that need to integrate Totalflow’s native protocol within their own driver package, this toolkit gives you a leg up on implementing our protocol with functions that are fully tested and fully compliant with all Totalflow devices. We utilize this same toolkit within our own ABB SCADA Advantage™ product.

Cygnet, AutoSol, Standard Automation, Case Services and Telvent are among the many industry leaders that have taken advantage of this technology.

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**Voice Alarm System (VAS)**

The Totalflow Voice Alarm System (VAS32) is a Microsoft® Windows®-based program designed to work in conjunction with the CCU Alarm Monitoring software and CCU Communication Server (WinCPC). It is capable of calling specified personnel in the event of an alarm condition detected by a Totalflow remote controller or flow computer.

The Voice Alarm System communicates via a Dialogic multi-line speech board using digitally recorded voice messages and prompts. The system also allows those with a valid access code to call into the Voice Alarm System and request current information from any Totalflow FCU or RTU assigned to their access code.

The Voice Alarm System can operate on up to 16 phone lines simultaneously; by using WinCPC, it can request data from up to 16 different RS 232 lines.
ABB Totalflow
Reassuringly right

There is not an engineer, sales representative, customer service professional or technician on the ABB Totalflow team who doesn’t believe in doing the job right every time. It’s more than a matter of pride—it’s a matter of responsibility. When we tell a customer that our products will deliver the most accurate information in the most efficient manner possible, a lot is at stake. The customer’s profitability, for one. And our reputation. Part of our reputation is making sure the customer is satisfied no matter what. So, if a standard product is not enough, our project engineers will create the right solution for your business. Discover how much easier life can be when you go with the ‘flow—ABB Totalflow.
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