TF.Net

System software products

—
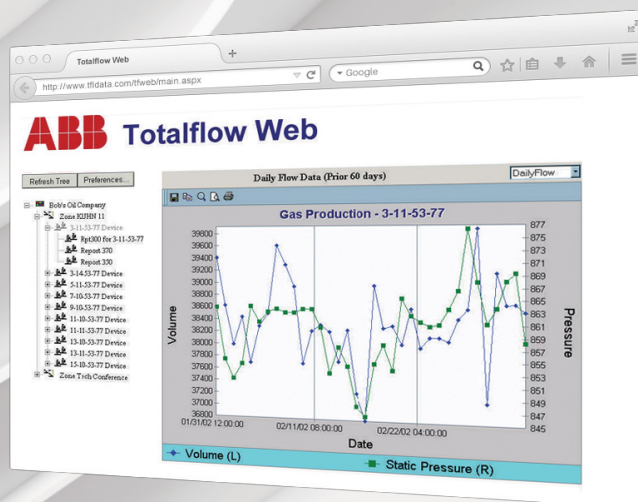
Description

Displays data acquired from field devices in a web browser to authorized persons with access to the Corporate Network or the Internet, depending on configuration.

Data can be acquired with standard SQL statements from any standard (ODBC) database on the local PC or over a Local or Wide Area Network, or over the Internet, or from multiple servers across multiple net- works, as configured by the Network Administrator.

Data can also be acquired from any OPC server or from multiple OPC servers. This allows easy display of real-time data in an overview format, and for some servers, a demand poll and download of set points and other parameters.

Navigation displays are organized into a familiar tree view format. Standard displays include tabular, trend, and Report formats. Report outputs include Excel, Pdf, HTML, and printer formats.

TF.Net is tightly integrated with ABB SCADAvantage and WinCCU applications, where applicable.

Overview display

Report – Spreadsheet format

—

Features

- Quickly allows linking of disparate data sources into hierarchical views for navigation, and display of that data in tabular and graphical views for presentation.
- Devices can be polled and data can be refreshed by simply clicking a button on the screen.
- Authorized users can download set points to a device.
- Completely database driven. Will not require more management of data and data access security in your existing data stores.
- Web deployed. No need for client installations.
- Simple XML configuration of TF.Net allows developers to quickly give users the views of data they require, whether graphical or tabular.
- Designed from the ground up to support multiple top level sites on one or more web servers. Each customer/division can have a different site, (complete with different style settings, different available data sources, different navigation schemes) with no extra effort required to partition the site.
- Integrated WinCCU reporting module. Allows for centralized viewing of WinCCU data in the familiar WinCCU reports, in multiple formats. (PDF, XLS, HTML, TXT)
- Expandable reporting module allows for quick development and deployment of new reports to any data source.
- Web Administration. Design/test/fix elements of your site from anywhere with appropriate log on permissions.
- Lightweight web site. Minimal graphics and no heavy applets to download time and time again. Fast and responsive even over 56k dial-up connections.
- Top-level sites can become templates for other top-level sites, allowing you to quickly set up new sites based off of existing work.
- Simple, easy to grasp tree based navigation.
- Customizable menus at each level of navigation.
- Group based security model for access. Multiple level security access into both navigation elements and menus based on group membership.
- Appropriate for small local applications to enterprise wide applications

Administrative tools – List view definition

Administrative tools – Tree node definition

—

Benefits

Faster, more effective response to existing opportunities

Makes field data available for different users in the organization, e.g., Accounting, Marketing, Engineering, others.

Security

Data available over the corporate network for authorized users only.
Data available over the Internet for authorized users only.

Tighter control of important data

Permissions can be different for each user.

Reduce IT requirements

Browser based displays reduce costs since the browser is already on the user's system.

Reduce system administration time

Administrative costs are low due to simple, flexible design.

More responsive to opportunities, more income, less costs

Increases organizational efficiencies by providing appropriate data to those needing it.

Improve operating efficiencies

Reduces "wait" costs by getting data to appropriate persons quickly and in a useful format.

—
Options

License

ABB sells a license to use the software and the user will establish a web site of their choosing. Under this arrangement, the user is responsible to establish a web site as needed for internal and / or external use. This license allows the software to be used strictly within the company, or it may be used to provide services to persons outside the company either for free or for a charge. ABB is available to provide installation and engineering support required for this activity either on a fixed price or a time and materials basis. ABB can help:
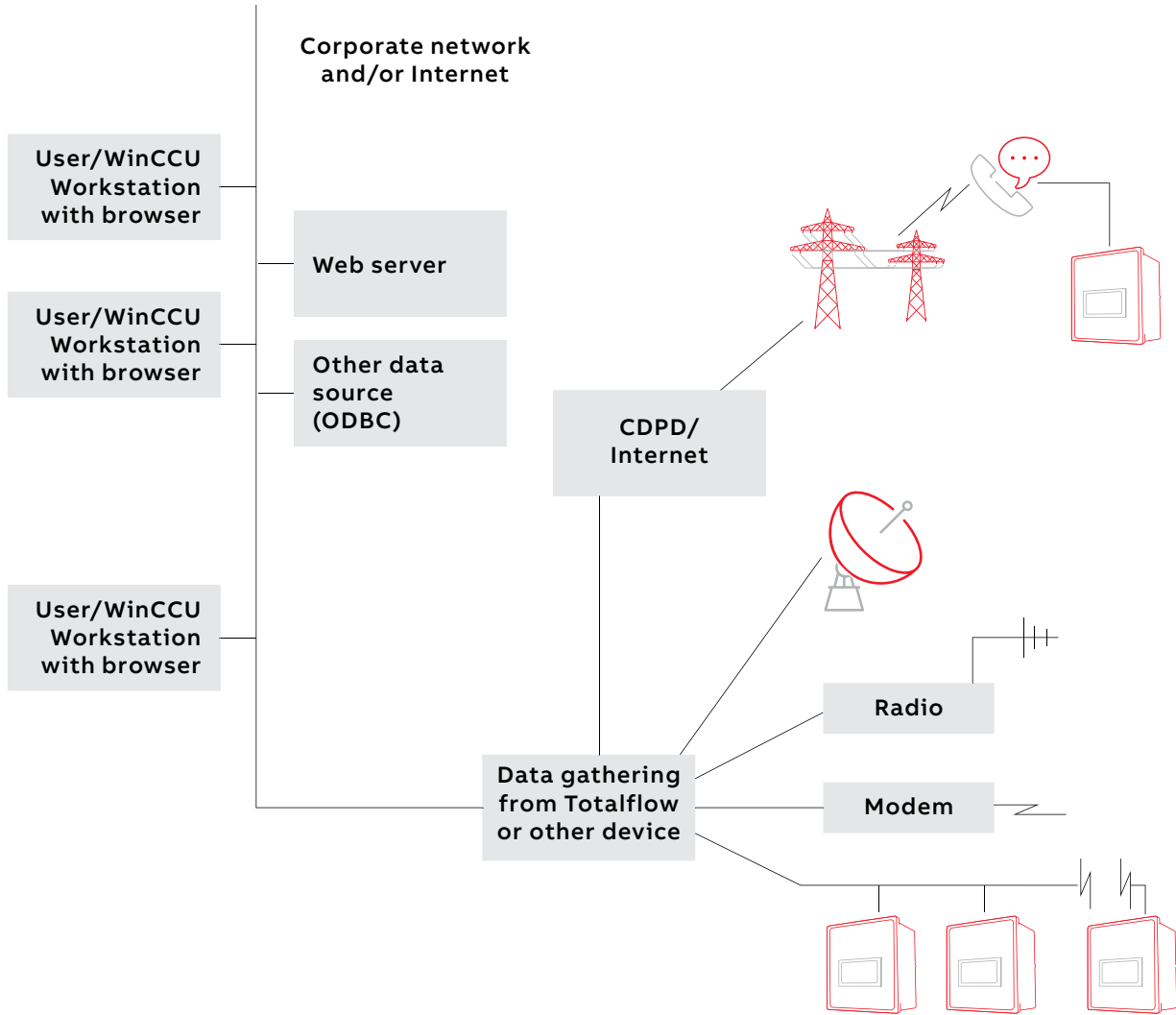- Select equipment,
- Arrange for Internet access,
- Establish necessary URLs,
- Install and set up the software,
- Provide the original and / or continuing setup and administration of the application,
- Provide training for your staff to perform these activities

Number of companies

Base charge for up to 25 users OR fixed license fee with no arbitrary limit. Limited only by performance.

Number of users

Incremental charge for up to 250 companies OR fixed license fee with no arbitrary limit. Limited only by performance.

Corporate network
and/or Internet

**User/WinCCU
Workstation
with browser**

Web server

**User/WinCCU
Workstation
with browser**

**Other data
source
(ODBC)**

**CDPD/
Internet**

**User/WinCCU
Workstation
with browser**

Radio

**Data gathering
from Totalflow
or other device**

Modem

Sales

Service

Software

—
Notes

ABB