
System 800xA

800xA Smart Client



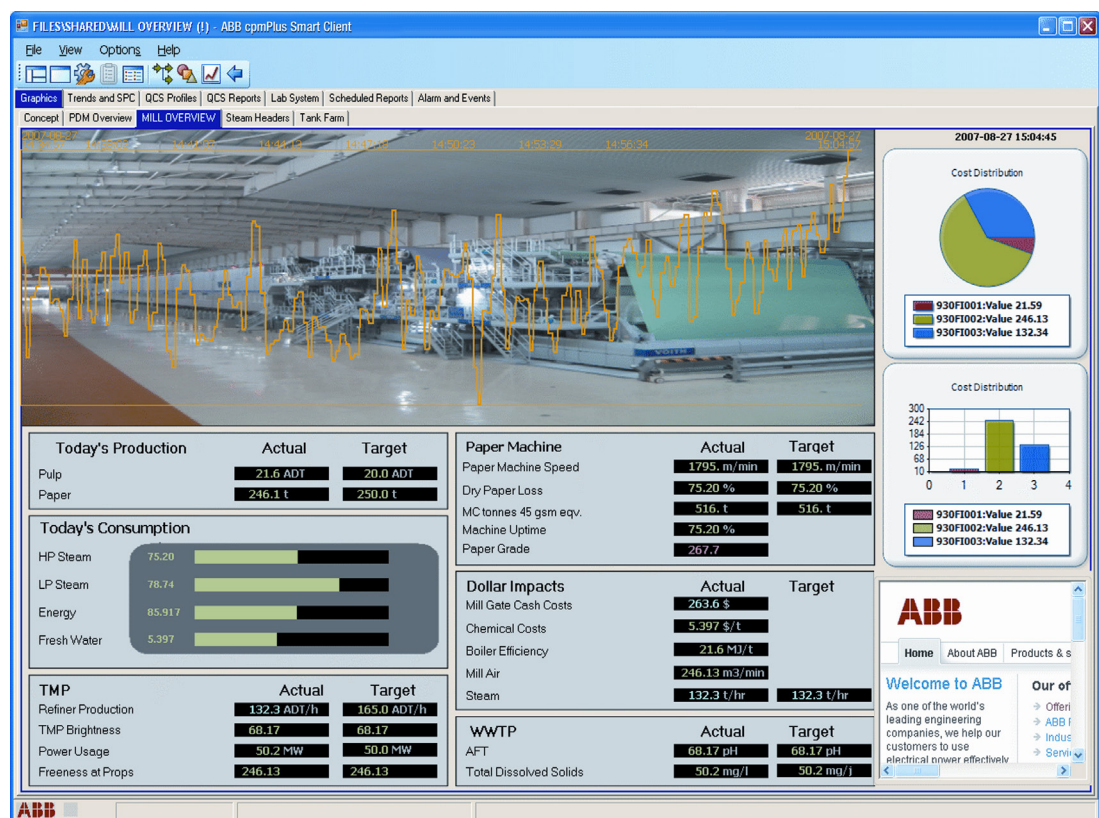
With 800xA Smart Client, you can focus more on analyzing data – instead of spending time collecting it

With 800xA Smart Client, even employees who do not have direct access to System 800xA can easily and quickly retrieve more critical information via their office computer. Smart Client effortlessly harvests real-time data from both System 800xA and integrated systems, and then creates the analyses and reports directly in the platform to suit your needs. You therefore can spend more time analyzing and understanding the key data, instead of collecting it. And then turn that data into improvements – resulting in even higher productivity and energy efficiency.

Production managers, buyers, planners, finance people, environmental managers . . . anyone with authorization can access current information about the process residing in System 800xA, as well as any systems that are integrated with system 800xA. Time and resources no longer need to be spent on formatting and distributing key information, since any authorized person can download what they need themselves.

If you are a production manager, you can for example easily and efficiently use 800xA Smart Client to create reports that are focused on the production data you want. Just enter the parameters you wish to track, and the report will be automatically created in Excel. You can reuse it at any time, as 800xA Smart Client makes sure it is updated with current figures when you create the report the next time.

800xA Smart Client provides easy gathering of important production data in an office environment, to allow efficient follow-ups of the process and tracking of key figures.



Purchasing managers can, for example, easily and efficiently control and track material consumption – to be able to place the right order at the right time. This avoids the problem of asking someone in the plant to manually measure consumption or inventory levels.

And for work on energy optimization, 800xA Smart Client gives easy access to targeted data that you can use for high-quality analysis to get improved energy efficiency and reduced carbon emissions.

With 800xA Smart Client, it is much easier for employees to visualize the key figures and KPIs. This helps to stimulate increased commitment to and understanding of common goals – leading to improvements throughout the whole organization.

Using Smart Client is easy and safe

- Easily and efficiently select the information you want access to, using the intuitive configuration menu. No programming required.
- Access the information anytime, anywhere, with the only requirement that the computer has access to the network.
- Your screens can be displayed, via a web browser, from anywhere you can connect to the network.
- Smart Client uses standard software such as Microsoft Excel, Internet Explorer, etc. This makes it easy to learn and quickly benefit from 800xA Smart Client.
- Trend data is stored in System 800xA, which means that separate databases for control systems (DCS) and information systems are no

longer needed when retrieving information via Smart Client.

- Settings such as areas and alarm boundaries are configured in one place and all changes to System 800xA are automatically updated on the Smart Client server. This means that you always have access to correct information.
- System 800xA ensures safe and reliable data management, since all the data is retrieved directly from System 800xA to Smart Client. This gives easier handling and better system security, compared to storing data in a separate system.
- System 800xA and Smart Client also enable seamless forwarding to business systems such as SAP. (System Analysis Program)
- Smart Client supports virtualization
- Smart Client 2.3 RU2 is compatible with System 800xA 6.1.1 and 6.1.1.1
- Supports Windows Server 2016, 2019 and 2022

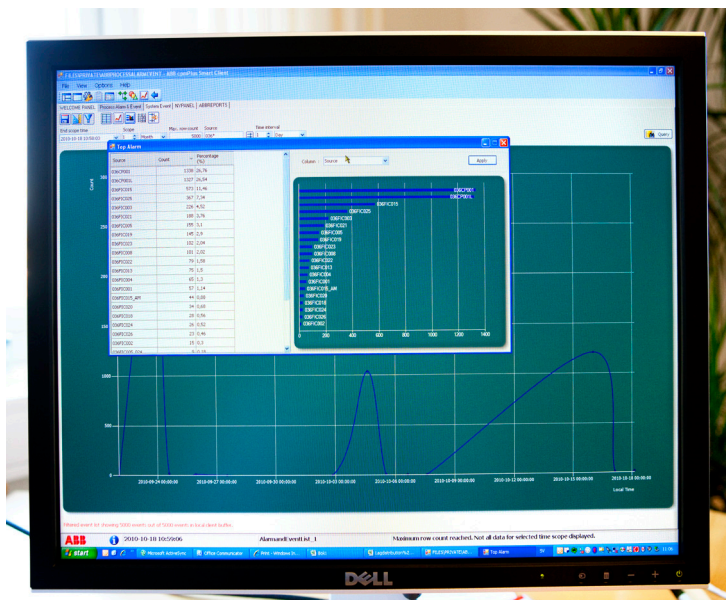
Transform your computer into a portal for valuable production information

With Smart Client, information from System 800xA and systems that are connected or integrated in System 800xA are easily accessible on your computer. The information can then be customized to show exactly the data you need to be able to make the right decisions in real-time.

All vital information, and deeper insight, at your fingertips

With Smart Client, you can create, monitor, and work with both production and process information. Appropriate authorization is all that is needed to access the desired information at any time, both in real time and as historical data, from one or more System 800xA networks.

With Smart Client you can easily access all process information in System 800xA and any systems that are interconnected to it.



Smart Client graphics, to visualize the process

The exact screens you want can be easily built up, without any need for programming. With System 800xA Property Browser and Smart Client Graphics Palette, you can easily decide which information to retrieve and display, using "drag and drop" functions.

Property Browser also has powerful tools for searching, filtering and efficiently locating data points.

Total information access

You can easily access all process information, in real time or as historical data, for important indicators like performance, alarms and event information. It is simple to create new images and reports directly in Smart Client.

Trends, with both current and historical values, are quickly created with just a right click on the desired data point.

Real-time design

Design and modification of screenshots is done with real-time data from the process, which makes it faster to design and verify screenshots because you always see the real values.

You can also readily create new screenshots, when needed, to analyze a particular problem or situation.

Drag and drop design

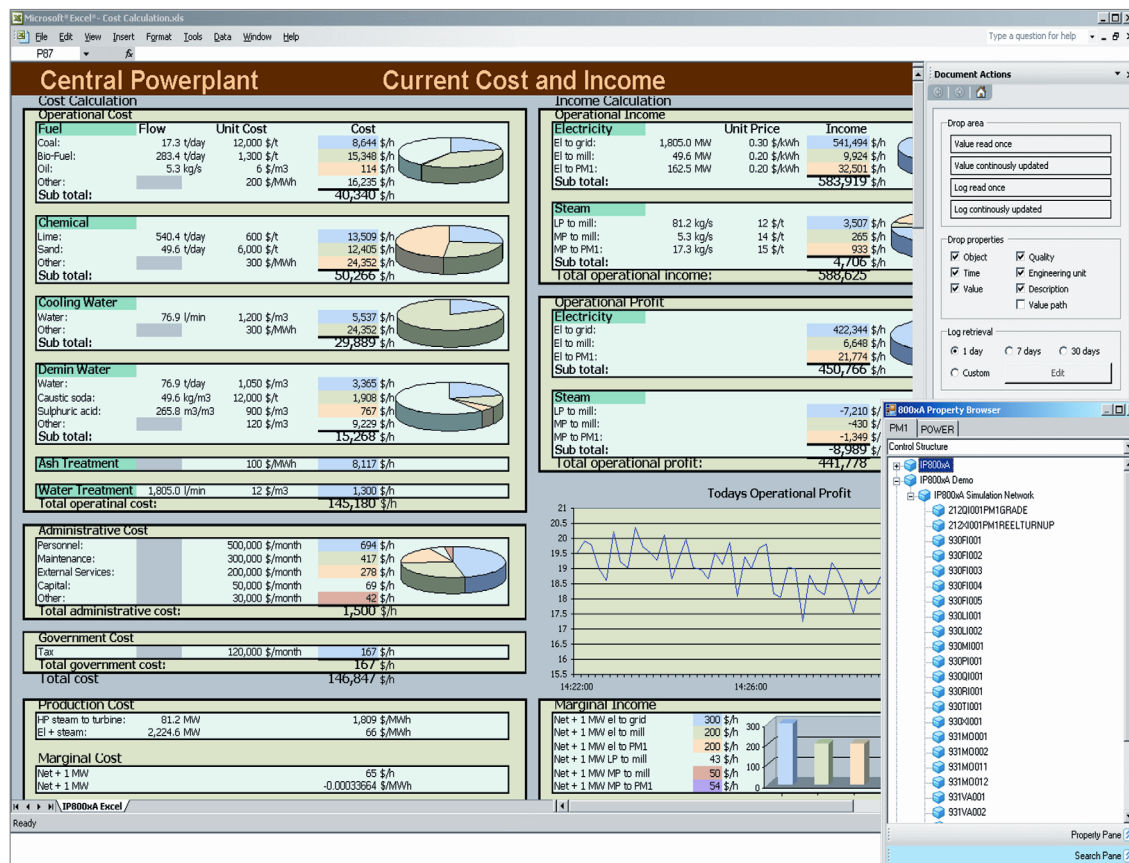
Once a data point has been selected, it is easy to drag and drop it to add it to the screen. Screenshot elements are selected from the toolbox and Smart Client offers a set of preconfigured screen elements. In addition, you can create your own, customized elements.

All screen elements can be easily dragged and dropped to the desired location.

When a screen element is released on the screen, you can resize it, place it in the desired position relative to other elements, and group it. This makes it easy to create images that give specific users access to exactly the information they need.

In design mode, you have full control over display properties such as shape, color and text.

You can quickly and easily create the reports you are interested in.



Smart Client lets you:

- Transform your computer into production information and tracking portal
- Create personal, meaningful, real-time reports in Excel environment
- Analyze both real-time and historical data, with just a few clicks



System administration and security

Smart Client is a thin client, which means that all design information is stored on the server. Depending on the user's login data and their role, the latest version of applicable screenshots is displayed in Smart Client. This facilitates system administration and maintenance functions like distribution and backup.

Access to programs, screens and data depends of course on the user's permissions, which are specified in System 800xA. Since all permissions are handled in one place, no redundant security systems are needed.

SPC, Statistical Process Control, helps you quickly find sources of error

Improving the quality of a process is not just about collecting data and controlling the plant. It is also about having flexible tools that allow you to quickly identify and correct abnormal situations.

Using SPC (Statistical Process Control) diagrams within Smart Client, operators and technicians can quickly find the root cause of problems and then correct the process with effective and targeted measures.

Trend and visualization tools and features

Trends are easily configured with "drag and drop" functions and can be created for all data points in System 800xA:

- Standard trend functions
- Advanced trend features
- Drag and drop trend export functions to Microsoft Excel
- Integrated SPC, Statistical Process Control analysis

Create personal real-time reports in Excel

The Smart Client Excel interface connects System 800xA to the Microsoft Office environment. This means that you can drag and drop data from System 800xA to Microsoft Excel.

With this function you can create personal and customized reports based on real-time data. Excel functions, like calculations and diagram drawing, can be used to process or analyze process data. Both real-time data and historical data can either be fixed or continuously updated.



For more information about how 800xA Smart Client can help you to get much more out of your data, processes, and production assets, don't hesitate to contact ABB at:

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solutions.abb/800xA

