

System 800xA Smart Client

Smart Client lets you spend your time analyzing data rather than searching for it

How many more people in your company would benefit from the production and process information found in System 800xA? Smart Client gives even those who do not have direct access to System 800xA the possibility to quickly and simply transfer information to their office computer. With Smart Client, you can, for example, gather real-time data from both System 800xA and its integrated systems, analyze it directly, and then create a wide variety of reports based on the findings. You spend your time analyzing data rather than searching for it. You see the results as increased productivity and more effective use of energy.

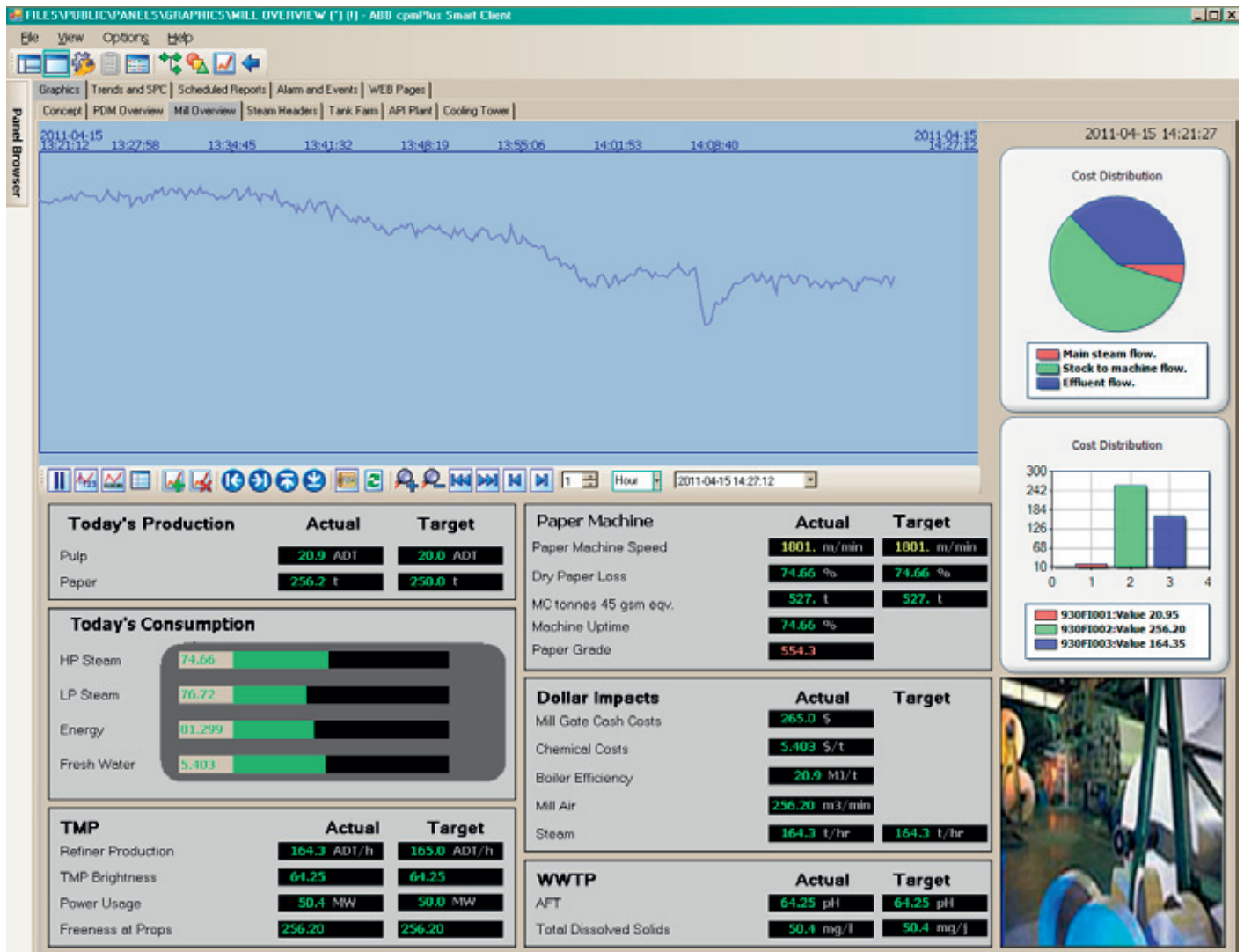
Production managers, purchasing officers, planners, economists, environmental officers... now everyone can gain access to up-to-date process information from System 800xA, as well as from systems that are integrated with it. Time and resources no longer need to be spent transforming and distributing information – now each and everyone can collect it for themselves.

As a production manager, for example, you can quickly and effectively create reports describing the current production status with the help of Excel and Smart Client. Simply drag the values you want to follow up and the report is automatically created in Excel. You can easily reuse the same report again and again. Smart Client itself automatically updates it with fresh figures the next time you create it.

If your job is in purchasing, you can just as easily check material consumption so that you can order more at just the right moment. You avoid having to manually contact someone else and have him or her read out the consumption, with all the risk for error that involves.

If your task is to optimize the use of energy, Smart Client gives you easy access to a wealth of data that you can use for high-quality analyses to improve energy efficiency.

Mill overview: KPIs calculated directly in Smart Client are available on your office PC, at home, or at the hotel when you're out travelling.



Smart Client makes it easy to draw up key figures and performance indicators, both of which encourage a greater involvement and understanding of common goals and improvements throughout the entire organization.

Using Smart Client is simple and secure

- You easily and effectively select the information you want to access using the screen set-up configuration. No programming is needed.
- You enjoy access to the information where and when you want. The only requirement is a computer connected to the network.
- Your screen set-ups can be shown wherever you can connect to the network via a web browser.
- Smart Client uses established technologies and software programs such as Microsoft Excel, Internet Explorer, etc. This makes for simple start-up so that you can quickly begin enjoying the benefits that Smart Client offers.
- Trend data is stored in System 800xA, which means that separate databases for the control system (DCS) and information system are no longer needed when you collect information via Smart Client.
- Attributes such as area and alarm limits are configured at one single location and all changes in System 800xA are updated automatically on the Smart Client server. This means that you always have access to correct information.
- System 800xA includes functions that ensure safe and reliable data handling. As Smart Client gathers all its data directly from System 800xA, it results in simpler handling and greater security compared with storing data in a separate system.
- System 800xA and Smart Client extend connection possibilities further to also include business systems like SAP.

Transform your computer into a product information portal

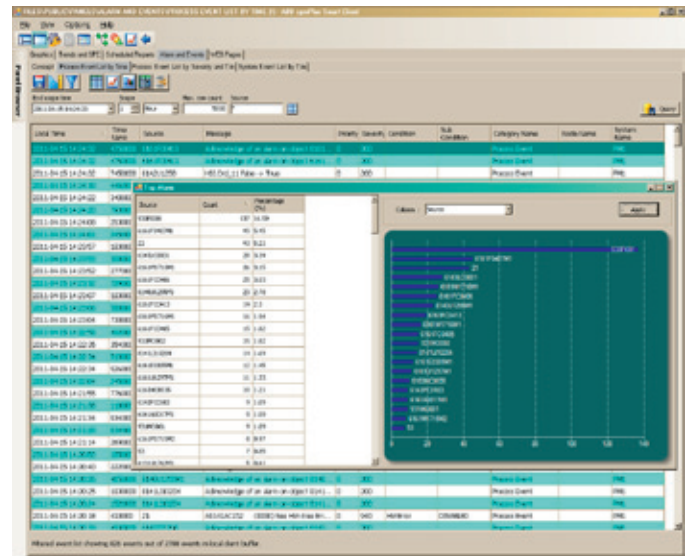
Smart Client makes information from System 800xA and its connected or integrated systems easily available in your computer. This information can then be adapted to show precisely the data you need in order to make correct decisions.

All information easily accessible

With Smart Client, it's easy to create, monitor and work with both production and processing information. Suitable authorization is all that's needed to access all the information you need whenever you need it – both real-time as well as historical data from one or several System 800xA networks.

Smart Client graphics

Building screen set-ups is simple and requires no programming. With System 800xA Property Browser and Smart Client Graphics Palette, you simply 'drag and drop' the information you want to collect and show. Property Browser features powerful tools for searching, filtering and quickly locating data points.



Process event list by time: In this event list, an overlapping window also shows the number of events per object (as a bar chart) and as a percentage of the total events. This information lets you analyze events directly in the list and identify which objects to prioritize in order to reduce the total number of process events.

Total information access

You enjoy full information access in real time or as historical data to, for example, key performance indicators, alarms and events. Creating new images and reports is easy and immediate. Trends (current and historical) are created by a simple right-click on the data point in question.

Real-time design

The design and modification of screen set-ups is done with real-time process data, which makes their verification faster since you always see the current values. Creating new screen set-ups to analyze specific problems is equally quick and straightforward.

Drag and drop design

When a data point has been selected, simply drag and drop it to add it to the screenshot. Screen set-up elements are chosen from the toolbox. In addition, Smart Client features a set of preconfigured elements. You can also create your own customized versions. Whichever you prefer, just drop them in their intended locations.

Once the element is in place on the screen, it's easy to alter its size, place it in position relative to other elements or add it to a group. This makes it easy to create images that give specific users access to exactly the information they require. Design mode gives you full control of screen set-up characteristics such as form, color and text.

System administration

Smart Client is a true thin client, which means that all design information is stored on the server. Depending on the user's login data and role, the latest versions of the appropriate screen set-ups will be shown in Smart Client. This simplifies system administration as well as maintenance functions such as distribution and making back-up copies.

Access to programs, screen set-ups and data depends on user authorization as specified in System 800xA. Since all authorizations are handled in the same location, the need for redundant back-up systems is eliminated.

SPC helps quickly locate error sources

Improving process quality involves more than just collecting data and checking the plant. It also requires flexible tools that help users to quickly identify and remedy abnormal situations. With an SPC (Statistical Process Control) diagram, users and technicians can quickly locate the fundamental reason for a problem and then apply corrective measures to overcome it.

Trend functions Trend functions

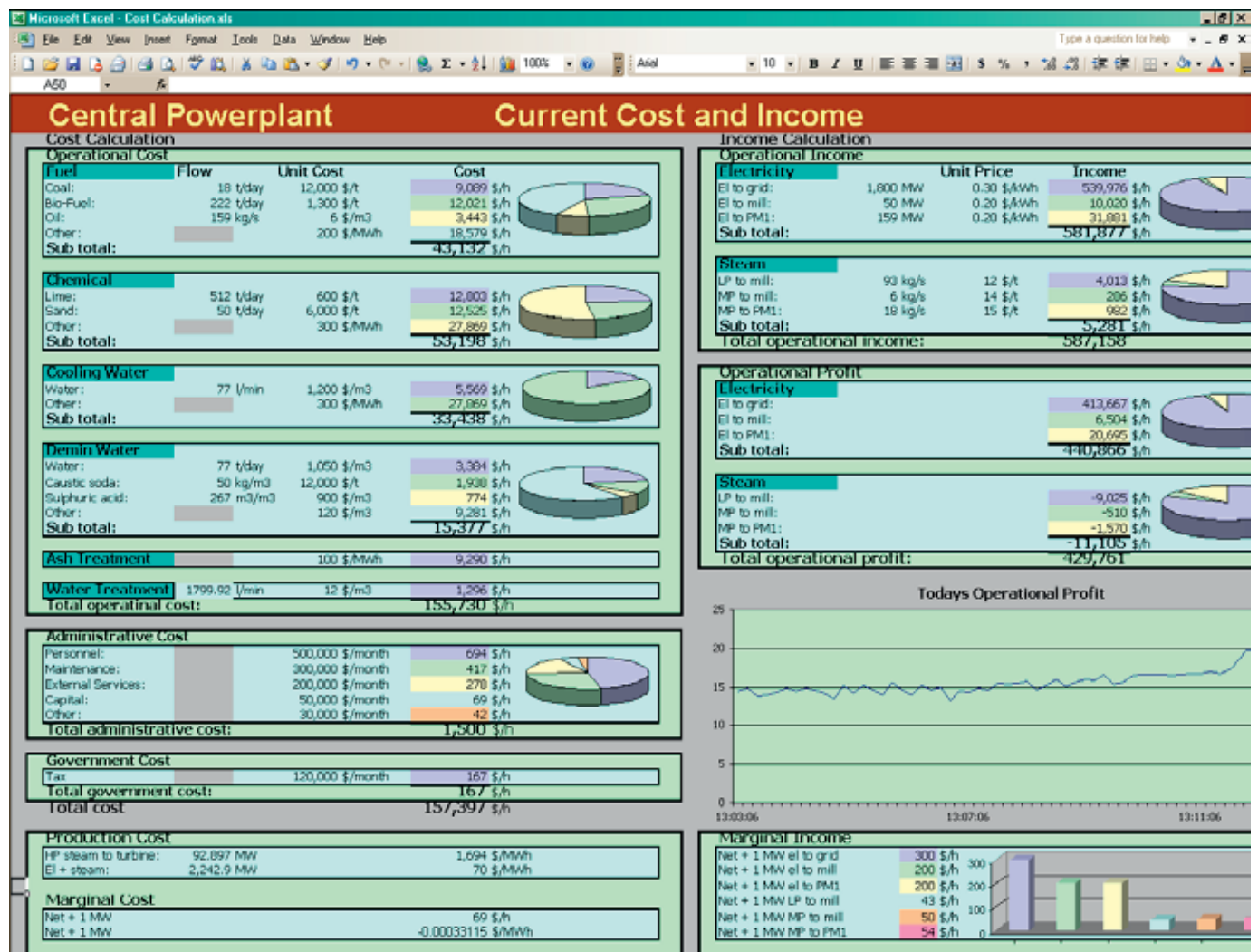
Trends, easily configured using 'drag and drop', can be created for all data points in System 800xA:

- Standard trend functions
- Advanced trend functions
- Drag and drop trend functions to Microsoft Excel
- Integrated SPC analysis

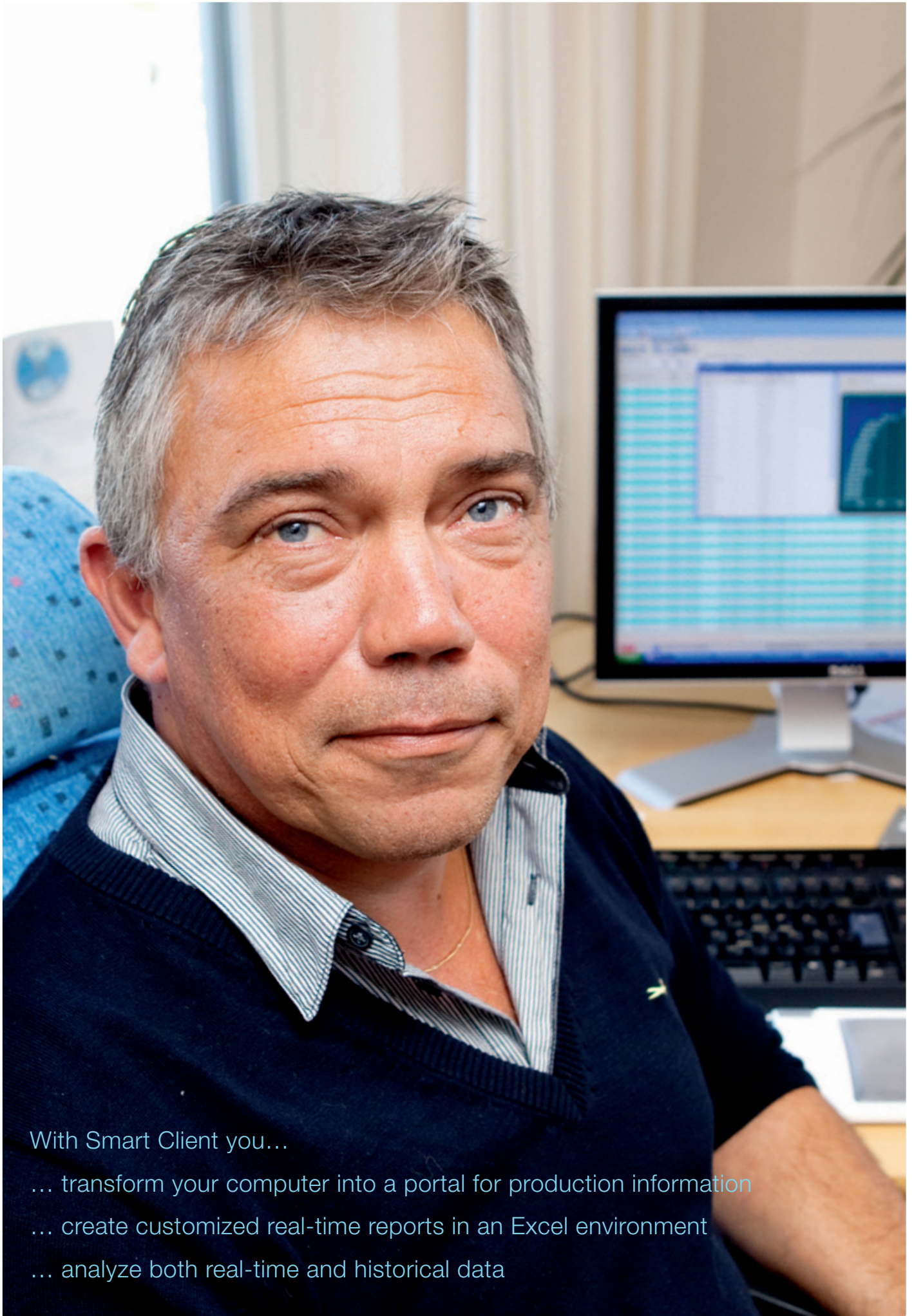
Create personal real-time reports in Excel environment

Smart Client Excel interface connects System 800xA to Microsoft's Office environment, which means that you can drag and drop data from System 800xA to Microsoft Excel.

This function lets you create personally customized reports with real-time data. Excel functions such as calculations and creating diagrams are available for processing or analyzing process data. Both real-time and historical data can be fixed or continuously updated.



Cost calculations: Real-time data from System 800xA, in this case flow rates, are entered into an Excel spreadsheet that then calculates ensuing costs. Using System 800xA data in this way makes it easy to create your own calculations in Excel.



With Smart Client you...

- ... transform your computer into a portal for production information
- ... create customized real-time reports in an Excel environment
- ... analyze both real-time and historical data

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