



PXTrend

The „Big-Data“- System for process and production data Collect – Store - Analyse

Web-based trend archive system for recording, archiving and analysis of long-term data - process data - high-fidelity industrial big data.



FAST AVAILABILITY OF ALL DATA

XAPI PXTrend collects and archives the current process values from the different sources of production and makes them available to the user company-wide, uniformly, for years. Companies benefit from fast, complete recording and a uniform company-wide presentation of process and production data as well as from the intuitive and comprehensive analysis functions. The transparency of process data supports quality assurance and plant safety - so optimisation potential can be recognised and promptly implemented. **XAPI PXTrend** is cost-effective and tailored to the needs of production and management.

LONG-TERM AND SECURE ARCHIVING OF PROCESS DATA – HISTORIAN DATA

The automation systems in networked production plants form the basis in the acquisition of process data. Up to now, however, these data are often only available to the plant operators at the process control system. These process data are increasingly taking on a leading role as a production factor in effective manufacturing. Fast and long-term archiving and a uniform company-wide presentation of process and production data are becoming the benchmark against which a modern process and production data archive must be measured.

COLLABORATION IN REAL TIME

Any number of users anywhere in the world can simultaneously and independently of time view and evaluate information, production data and basic key figures and create corresponding forecasts, for example in the context of management reporting. **XAPI PXTrend** is a flexible and efficient process information system for the optimisation of internal and external communication. Information addressees are provided with relevant process information and can react to process disturbances at an early stage.

www.xapi.de

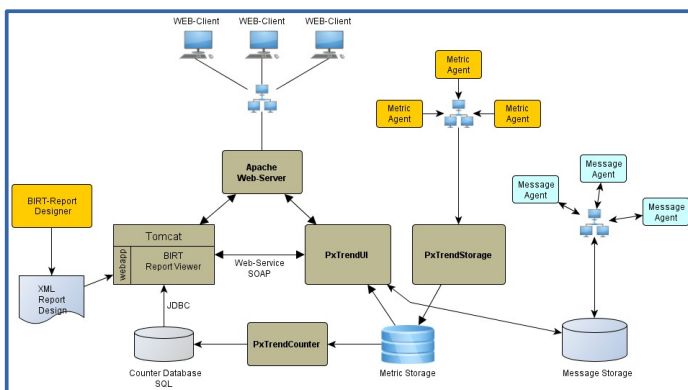
FUNCTIONS

XAPI PxTrend offers a large number of functions for production and process data archiving:

- **Web-based user interface** enables access to all process data and archive configurations from all stations.
- **Graphic editor:** combines process data and measured values in the curve window easily. Templates facilitate the creation of graphic pages as well as archives and ensure a uniform appearance.
- **Play back function:** Process images are integrated into the system and linked to the archived measured values (**Historical live data**). Process values are thus displayed in their temporal context in conformity with production and subsequently reproduced within the archiving period.
- Cross-plant **message archive:** records the occurring process and operating messages from the different plant sections with the option to configure the message lists on the screen and to edit them with the provided functions.
- **Management Cockpit:** bundles all information and functions in one **dash board**. Information from the company's own system, its own or external servers and information sources is displayed.
- **Report Designer:** for creating PDF, CSV, MS Excel and Access data reports. Query and calculation functions enable efficient archive retrieval to minimise overloads.
- Simple **user administration** (including **rights management**) enables customer-specific settings for access to the user interface, menu structure, visualisation and parameterisation.

PURPOSE / USE

- Company-wide, centralised solution for **process optimisation, quality assurance** and **plant safety**.
- **Simple and intuitive analysis tool** with user-friendly operation: with the 1-click operation, all data from the various production sources become visible (retrospectively) and facilitate **fast fault finding** and **fault diagnosis**.
- The operating mode of the production plant can be quickly analysed and optimised, bad operating modes can be detected early or in time and also determined retrospectively.
- The **safety** and **productivity** of the plant are increased in the **long term** by the direct information transfer of the plant status (**plant monitoring**).
- **Need-based** and **consistent information** allows fine tuning, enables evaluations for the improvement of the entire system and supports an active and sense-oriented **control of running business processes** and the preparation of **strategically important decisions**.
- Increasing the **efficiency** and **effectiveness** of process control systems.
- A simple and intuitive diagnostic tool and user-friendly operation save training and manuals and contribute to a high level of acceptance.
- A **multilingual option** for global engineering and international teams.



TECHNOLOGY

- The web-based application is hardware-independent and does not require any software installation at the workplace.
- Use of commercially available computers.
- Standardised interface to PLC systems, WinCC, PCS7 and OPC.
- Runs on Microsoft - Windows 64Bit (Windows 7, Windows 8, Windows Server 2003, 2008, 2012).
- Support when using an Internet PC data server.

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Get in touch with us, we will gladly inform and advise you!

