XAPI®

📊 XQuality

Archive system for batch process data and quality assurance

Process data archiving system for documentation and evaluation of batch records and supporting quality management.

XAPI X Quality is a web-based process data archiving system for the documentation and analysis of process information and process data stored batchwise. Companies benefit from fast, complete recording and uniform company-wide presentation of process and production data, as well as from the intuitive and comprehensive analysis functions.

XAPI X Quality supports quality management and quality assurance, contributes to increasing plant safety and uncovers optimisation potential. The system can be used for both new and already installed production plants.

COLLABORATION IN REAL TIME

Any number of users anywhere in the world can view and evaluate information, production data and basic key figures at the same time and independently of the time, and create corresponding forecasts, e.g. as part of management reporting.

TRANSPARENCY AND UP-TO-DATENESS

As a flexible and efficient process information system, **XAPI X**Quality provides the information addressee with the relevant process data from the various production sources quickly and without gaps, thus increasing performance and efficiency and reducing infrastructure costs.

XAPI X Quality offers a large number of **functions for process data archiving** and **quality assurance:**

- Complete and tamper-proof logging of process data with the option of additional data backup.
- Various analysis tools and display options for batch data recording, incl. live curve.
- Easy identification of process faults and error causes using auxiliary functions (curve overlay and reference curve).
- Output of process values in PDF-, CSV- and Microsoft **Excel format**.
- Recipe processing in direct communication with the PLC control.
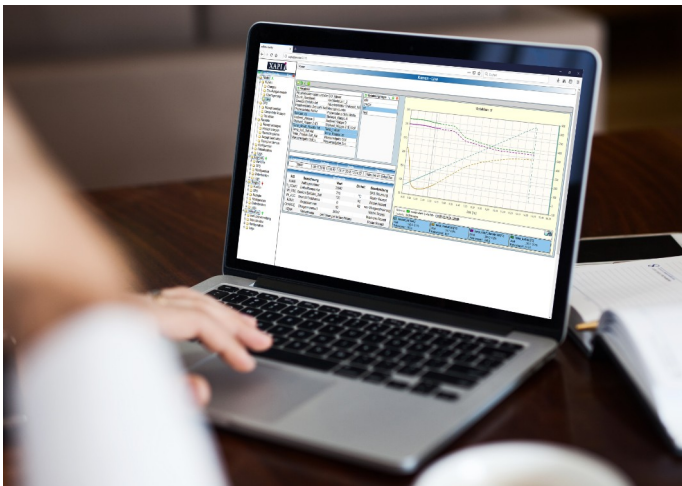
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FUNKTIONEN

- **Batch-related evaluation** including batch information and trend display adapted to the user-defined process variables as well as the possibility to add notes and file attachments.

- Graphical display and evaluation of the **individually compiled process variables** of batch intervals.

- **Batch overlay** and comparison of reference curve to selected actual values provides optimal documentation of the entire process.

- Recording of the production values of the current batch in a **live curve**.

- **Personalised evaluation options:**
Individually selected measurement data can be compiled as a set in a chart and ideal curve progressions can be defined as reference curves.

- Creation and management of recipes and simultaneous direct sending to the PLC sequence memory.

- Powerful **log and message archive** for recording any actions and occurring process and operating messages in the form of log files.

- **Simple user administration** enables a customer-specific setting for access to the user interface, visualisation, parameterisation and configuration.

- The m**ultilingual usage option** allows global engineering and the cooperation of international teams.

PURPOSE / BENEFIT

- Company-wide, **central solution** for **process optimisation** and **quality assurance**.

- **Simple** and **intuitive analysis tool** with user-friendly operation:
  - by adapting the colour of the application to th company's own layout.
  - with the 1-click operation, all data from the various sources of production become visible and facilitate quick fault finding and fault diagnosis.
  - the operation of the production plant can be quickly analysed and optimised, bad operation can be detected at an early stage.

- The **safety** and **productivity** of the plant are increased in the long term.

- **Support with customer audits for quality assurance (ISO 900x).**

- An **easy tool** for a clear presentation of the production and the condition of the plant.

- **Need-based** and **consistent information** allows fine-tuning, enables evaluations for the improvement of the entire system and supports active and sense-oriented control of **ongoing business processes** and the preparation of **strategically important decisions**.

- **Fine-grained rights management** enables collaboration across company boundaries and thus maximum transparency in complex organisational structures.

TECHNOLOGY

- The browser application (IE, Google, FireFox etc...) is hardware-independent and requires no software installation at the workplace.

- Memory and runtime-optimised long-term archiving of actual process values.

- Standardised interface to PLC systems.

- Central SQL database and central application server.

- Interface to ERP systems (e.g. SAP, Navision)

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Contact us, we will be happy to inform and advise you!

XAPI