



Trinity Consultants is a leading global environmental consulting firm that brings 50 years of experience providing services and solutions in the EHS Regulatory Compliance, Built Environment, Life Sciences, and Water & Ecology markets. Trinity has the technical expertise and acute industry knowledge to provide optimal solutions to highly complex pharmaceutical development, process, safety, and facility design challenges.

Created by Trinity's data automation engineers, our productivity tools answer the specific needs of Life Sciences facilities to expedite processes and ensure data integrity.

Werum PAS-X is a leading MES solution used by top pharmaceutical companies today because of its extensive EBR design configurability, real-time monitoring of manufacturing processes, ability to streamline data flow and approval processes, etc. After the engineering design and testing of EBRs within the PAS-X system, however, users face new sets of challenges related to the EBR validation, documentation and maintenance.

Our **Werum PAS-X Productivity Tools** help expedite the EBR review and validation process to reduce the turnaround time of EBR release from design to the production floor.

PAS-X Productivity Tools are designed to reduce or completely eliminate routine development and testing activities, as well as eliminate human error, by automatically documenting design, configuration and review of EBRs for the Körber Pharma PAS-X MES software platform.

Additionally, the tools do not introduce any new security vulnerabilities. Data is exported directly from MES and so the tools inherit the robust user authentication and access control policies already in place within the customer's system.

PAS-X Productivity Tools feature

Configuration Documentation

This tool is highly configurable based on user needs and complexity of EBR design, including:

- Searchable Bill of Materials
- Bill of Equipment
- Critical Process Parameters
- Critical Quality Attributes
- Formulas for EBR review and testing



- Calculations
- Paths for specific functions (e.g. EQM allocation/deallocation, SOP references, signature definitions, labels, date of manufacture, PCS and PI integration)
- Ability to create documents instantly for individual EBRs, groups of EBRs (product or operation based), individual PMBR (GMBR + PVL), etc.
- Much more

Process Visualization

MS Visio Flowcharts depicting EBR design for design documentation, review, training, and process standardization. This tool is also useful for comparing multiple EBRs, a feature not readily available in PAS-X.

Using PAS-X configuration documentation and process visualization tools will help your facility:

- Save valuable engineering resource time
- Standardize Master Batch Record (MBR) document formatting
- Expedite the validation process
- Maintain current documents easily

Data Update Tool

Comparison reports of EBRs produced by different versions of PAS-X software. Automation of master data updates including changes to materials, equipment, process and operational parameters eliminates the need for manual updates to master data and the chance of human error.

Trinity Consultants' Life Sciences team has deep expertise in the commercialization of pharmaceutical/biopharmaceutical processes. At the heart of Aztec Technologies is a passion for solving complex challenges through tailored automation solutions. With a global footprint and a commitment to understanding the unique needs of each client, we bring a personalized approach to each project. Our engineers have been designing, developing, and implementing enterprise-wide data management and analytics systems since 1992 and include experienced ex-industry engineers from the major platform designers. The team includes highly qualified engineers and other technical specialists who work onsite at client facilities, performing engineering and design work to meet clients' development and manufacturing goals.

CONTACT OUR TEAM!

To book a demo of the PAS-X Productivity Tools and learn what they can do for your facilities, please contact us.

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