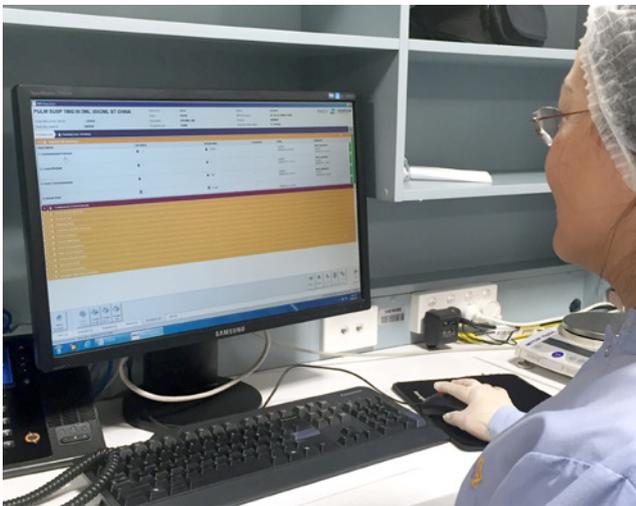


ASTRAZENECA DEPLOYS WERUM'S PAS-X MES TO REPLACE SAP PROCESS INSTRUCTION SHEETS

Roll-out in North Ryde, Australia, without disruption to running operations / GMBR approach reduces maintenance efforts for new and existing recipes



AT A GLANCE

Challenge

- Replacement of legacy SAP PI Sheets
- No disruption to running operations

Solution

- Implementation of Werum's PAS-X MES as leading system
- Leverage of PAS-X Generic Master Batch Records functionality

Benefits

- Huge efficiency gains and cost benefits
- 100 different products handled with only 13 generic recipes

Australian pharma major

AstraZeneca Australia has successfully put Werum's PAS-X MES into operation at their site in North Ryde, just north-west of Sydney. The company is one of the largest manufacturers for pharmaceuticals in Australia providing more than 80 different product variations of local anesthetics, diluents and respiratory products to the local market. Additionally, they export to 30 international markets including Europe, Japan, US and Asia.

Replacing legacy SAP PI Sheets

The AstraZeneca manufacturing plant previously had a suite of legacy IT solutions in place including a custom SAP PI Sheet for the entire production management and execution. They decided to replace the legacy ERP system as part of a global finance restructuring and IT standardization plan and due to the high costs and risks to maintain this software in such an important GMP environment.

Werum's PAS-X MES selected

Werum IT Solutions, the leading global supplier of manufacturing execution systems (MES) was selected to deploy its PAS-X MES at the site. The goal of the project was to replace the custom SAP PI Sheets which supported the end-to-end manufacturing, QA and QC operations and electronic batch recording, without any disruption to running operations and the supply of critical products. North Ryde is a key supplier of sterile products to the global market.

Phased implementation approach

The first step was to implement Werum's MES to be integrated into the legacy ERP, then to move all products in a phased approach over to the MES and then finally, to realize a new interface of the MES to connect with the new regional ERP solution. This approach was defined on a high level and in great detail culminating in individual products to be manufactured using the new systems during a particular week to ensure no downtime or impact on the operational production facility.



GMBR functionality simplifies MBR creation

The highly standardized PAS-X MES allowed the project through configuration to be implemented without the need for high and costly efforts in custom software development in order to meet the complex requirements of the North Ryde site. One key technical design element of the project was to leverage the Generic Master Batch Records (GMBR) functionality that comes with the latest PAS-X versions. The GMBR approach offered the perfect solution for AstraZeneca as it substantially reduced the maintenance efforts for new and existing product recipes. The result was that approx. 100 different products across a wide range of production methods (respules, polybags, vials and ampoules) and process variations (mother-daughter, campaign, media, batching productions) can be handled with only 13 generic recipes.

Standard interface to new AsiaSAP ERP system

PAS-X successfully and entirely replaced the legacy weighing and dispensing system and the custom SAP PI Sheets. All required data in the new ERP will be provided through an interface. Werum's MES solution also provides a standard interface to the new regional AsiaSAP ERP system reducing the efforts in the project.



"The huge efficiency and cost benefits that were delivered by our standard PAS-X MES were quite impressive to the customer. The GMBR functionality simplifies and significantly speeds up the process of recipe creation, saves validation and maintenance effort."

Penpak Tongsongsom, Project Manager,
Werum IT Solutions Ltd., Thailand

Trained and experienced project teams

The on-site AstraZeneca teams in Australia having been trained in PAS-X during the project are now extending further the recipe designs and additional functionality for

line clearance previously done on paper and for equipment state diagram modeling to enforce more controls and checks on the shop floor level. This can be done with additional configuration of the solution only and without customization.

The AstraZeneca North Ryde project shows that Werum's PAS-X MES is available across the globe at reasonable costs, is delivered by regional teams and meets the requirements of complex processes and of highest compliance standards.

CUSTOMER

AstraZeneca is a global, science-led biopharmaceutical company that focuses on the discovery, development and commercialization of prescription medicines, primarily for the treatment of respiratory & autoimmune diseases, cardiovascular & metabolic diseases, and oncological diseases.

INDUSTRY

Biotech

SITE

North Ryde, Australia

KEY WORDS

Manufacturing IT, Biotechnology, Australia, MES, ERP, ERP interface, PAS-X, GMBR, MBR creation, Compliance, Efficiency

Werum IT Solutions is the world's leading supplier of manufacturing execution systems (MES) and manufacturing IT solutions for the pharmaceutical and biopharmaceutical industries. Its PAS-X software product is run by the majority of the world's top 30 pharmaceutical and biotech companies and by many mid-sized manufacturers. Headquartered in Lüneburg, Germany, Werum has many locations in Europe, America, and Asia. Werum is part of Körber Medipak Systems.