

aXapplicationstories

Cutting-edge chemo-technical production at Hagleitner Hygiene International

The firm Hagleitner Hygiene International GmbH is a full-line provider of professional hygiene products. The core-competencies of the group of companies are the production and direct sales of cleaning agents for hygiene in washing rooms, sanitation, kitchen, laundry, floor and general purposes. The direct delivery distribution warehouses all across Austria and in the neighbouring countries, as well as sales partners in over 55 countries provide cleaning articles from hand soaps to detergents, in particular for hotels, office buildings and public facilities.

The chemo-technical production is performed by seven mixing lines, the central management system and the EMCR technology by AutomationX. The scope of delivery provided by AutomationX covers a wide range from electrical engineering to one of the most modern production planning systems with integrated batch system. The technical control requirements include e.g. the EEx (explosion protection) and SIL 2 (Safety Integrity Level 2) designs for EMCR. Particular attention is paid to the seamless links between the enterprise resource planning system (Navision Axapta) and the production system. The production planning system used was aXproduction by AutomationX, which takes over the roughly planned production orders from the enterprise resource planning system and passes them on to the fine planning tool. This tool posts the orders to the plant parts and automatically passes them on to aXbatch. Of course, individual orders are reported back after packaging to signal availability for delivery to the ERP. Not only production orders are subject to this system, but also the receipt and issue of goods are carried out via aXproduction. This way the AutomationX technology package allows managing all processes in one system!



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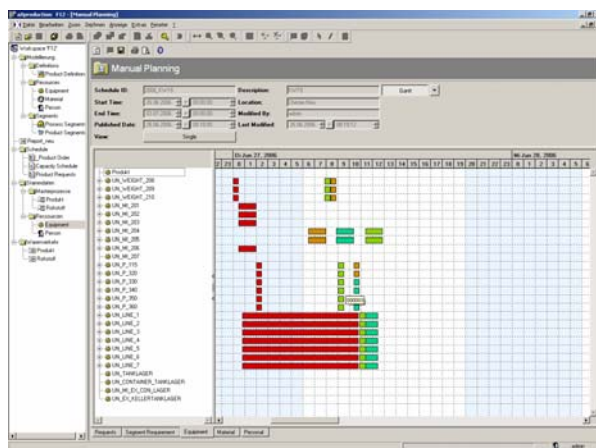
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The AutomationX technology package at a glance:

- ▶ Control technique: redundant AutomationX system
- ▶ Batch and recipe management: aXbatch (approx. 400 control functions)
- ▶ Fine production planning and production process control with aXproduction
- ▶ Resource management for raw materials, staff and plants
- ▶ Batch backtracking including all manual interventions
- ▶ Fault report management
- ▶ Integration of external plants into the production process (filling machines)
- ▶ Interface enterprise resource planning system (Navision Axapta)
- ▶ 630A main power supply
- ▶ 42 x free-standing and wall cupboards made of stainless steel
- ▶ 12 x sub-splitter for lighting and infrastructure
- ▶ 65 motors
- ▶ 441 valves via profibus
- ▶ 180 EEx signals
- ▶ 260 signals in SIL 2
- ▶ 1450 data points in total
- ▶ 7 x aXpremium panel, touchpanel in stainless steel casings
- ▶ 8 x operating stations aX Client, production planning and monitoring



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