

ALCAN PACKAGING



Production data and machine data,
batch tracing, time and attendance,
access control and quality management
with HYDRA as SAP subsystem

■ The company

Alcan disposes of more than 510 locations in 55 countries and regions with altogether approx. 70,000 employees. Each location belongs to one of the four segments: Bauxite and Alumina, Primary Metal, Engineered Products and Packaging. The company's success is based on an innovative product range and the unique combination of the widely ramified network of production plants.

ALCAN PACKAGING

Due to the merger of ALCAN Inc. and Algroup, VAW Flexible Packaging and Pechiney, the packaging division became more and more important. Today, ALCAN Packaging is the world-wide leading company in the areas



flexible packages for food, pharmaceuticals and cosmetic products and is furthermore one of the leading manufacturers of tobacco packages. In more than 140 plants 32,000 employees gain a turnover of more than 6 billion US\$. Companies such as Bayer, Glaxo Smith Klein, Johnson & Johnson, Nestlé, Danone, Unilever, L'Oréal, BDF Beiersdorf, Philip Morris or Rothmans rank among the key accounts in these segments.



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■ Task and solution

When Lawson Mardon Packaging decided to implement SAP R/3 company-wide in 1997, it became clear that the specific problems of the coil-based manufacturing could not be solved within the SAP applications. Besides the common production and machine data collection, solutions for the coil tracing, scrap handling, quality data collection and maintenance, were also required and were supposed to be integrated within a subordinate, area-wide subsystem. When further plants were added to the company, additional issues such as time & attendance and access control had also to be considered.

In a first step, HYDRA was implemented in the plants Singen and Kreuzlingen (CH) with the aim to replace the complex collection of order and machine data via records by the paperless data entry at touch screen terminals incl. the upload to R/3 PP. In the aftermath, many other HYDRA functions had been implemented. When further plants were engaged in the introduction of HYDRA after the merger with ALCAN, a business template was defined, which was supposed to serve as basis for future, local roll-outs.



Beyond this, the specific characteristics of each single location had certainly to be taken into account.

MPDV-Locations:

Mosbach, Hamburg, Hamm, Heidelberg, Stuttgart, Munich, Amboise/F, Winterthur/CH, Fort Mill/USA



In 2003, ALCAN Packaging and MPDV signed a master agreement, which turns HYDRA into the strategic product for the use as Manufacturing Execution System within the world-wide operating ALCAN group.

Today, HYDRA is used in the plants of ALCAN Packaging in Singen (D), Kreuzlingen (CH), Rorschach (CH), Mauá (Brazil) and Guadalajara (Mexico) (status 2005).

■ The project in brief

- ALCAN template with the HYDRA modules production and machine data collection (ADE, MDE), material and production logistics for coil-based manufacturers (MPL-RF), quality data collection (CAQ), time and attendance (PZE) and access control (ZKS)
- Several ORACLE database servers on the basis of MS-Windows
- More than 200 touch screen PDC terminals and PCs for the data collection
- 25 terminals for time & attendance and access control
- Interfaces to SAP PP, HR, QM and PM

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