



Innovation and an intense focus on saving lives have been the hallmarks of Autoliv from its inception half a century ago. Now its products save 30,000 lives every year and prevent ten times as many severe injuries.

CHALLENGES

Autoliv sought to better manage quality and material flows, achieve greater traceability and drive consistent, lean continuous improvement across all of its manufacturing plants.

SOLUTIONS

The company is deploying Dassault Systèmes' DELMIA® Apriso with an ERP rollout – a solution internally known as “ACE” to improve and harmonize operational and commercial business processes into one integrated system.

RESULTS

Better visibility into materials, workflows and processes has been achieved, helping the company to improve productivity, enhance global traceability and standardise global process improvement.

Delivering quality products is important in all industries, but it is especially critical where consumer health and safety are affected. Automotive is one of those industries.

That's why Autoliv, a Fortune 500 Tier 1 supplier of airbags and safety systems to all of the global automotive OEM's, wanted to better manage quality and material flows, achieve greater traceability, and drive continuous improvement across its manufacturing plants.

To achieve this goal, Autoliv made a decision to deploy their Enterprise Resource Planning (ERP) and Manufacturing Execution System (MES) together in a system the company calls ACE.

LEAN MATERIAL MANAGEMENT

The ACE system provides lean materials handling across Autoliv's manufacturing operations, thanks to DELMIA Apriso's wide footprint that extends beyond the four walls of production, including inbound material receiving and put-away, quality control, maintenance, shipping, and outbound to their supply chain.

PAPERLESS PROCESSES STREAMLINE OPERATIONS

The ACE system automates and standardises financial and control processes. Self-billing is now integrated into the system, resulting in a paperless billing process that has streamlined processes, improved accuracy and increased efficiency in their Finance department. The graphically-driven DELMIA Apriso Dispatching Board provides real-time visibility and control of plant floor activities. Supervisors and plant managers use it to monitor production progress status, planned maintenance activities and unplanned events at a single glance. This allows Autoliv to quickly address issues as they arise, such as rearranging production orders to meet customer demands and plant efficiency targets.

GLOBAL TRACEABILITY

DELMIA Apriso supports batch and end-to-end flow of product and process traceability, and can help quickly identify, isolate and contain suspect materials or errant processes should a potential issue be detected. When problems are traced to process or material issues, corrective actions can be readily implemented and rapidly deployed to all plants.

The quality advantage (with ACE) is we have better access to traceability data and batch tracing at the line. A big advantage of this ACE project for the plant is we have integrated, real-time information flow. Reaction time has been cut short very much. Data transference is much better than we had before.

Bernhard Herrmann
Plant Manager ASG, Autoliv