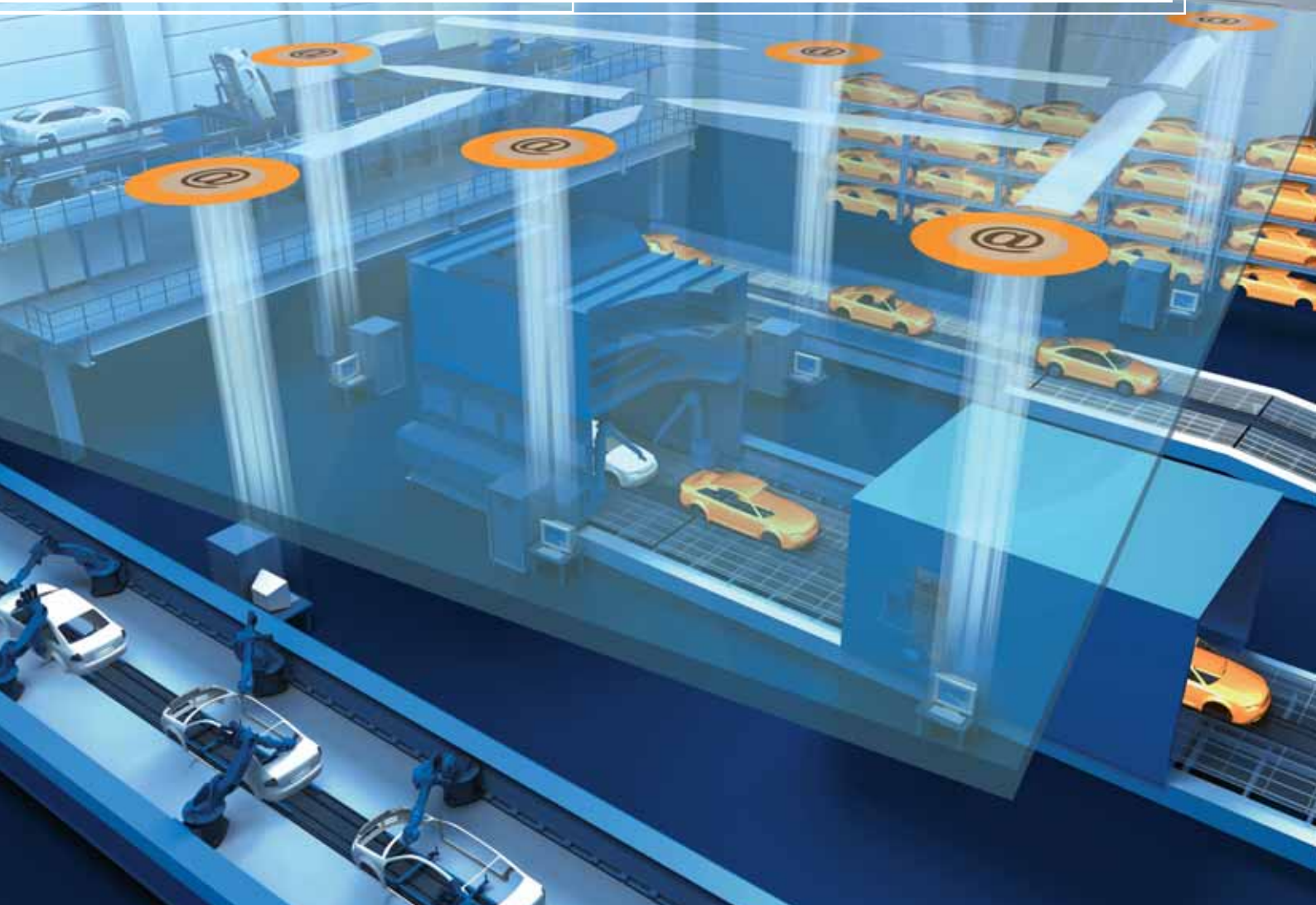


EcoEMOS - Production Software



Software based on production experience



Technologies · Systems · Solutions

EcoEMOS – IT Solutions from professionals for professionals



The Manufacturing Execution System **EcoEMOS** by Dürr links control levels from the shop-floor with your enterprise business processes and is based on Dürr's many years of experience in automotive production:

- Independent processing of all PLC brands in shop floor level
- Scalable from single stations right up to entire MES plant control
- Designed for production needs
- Simple to operate and user parametrizable

EcoEMOS is using standard web technologies as well as MS office applications thus resulting in very short training and implementation phases.

This all leads to improved efficiency, greater transparency and lower costs. ■■■■■

Four standard software modules are covering all production requirements offering the option of later expansion. ■■■■■

EcoEMOS Human Machine Interface & Equipment Monitoring

The HMI module incorporates the **EMOS.Web** software by Dürr, which is the foundation of the web based graphical visualization as well as the communication infrastructure to the controls level. Fast identification of alarms and process concerns help reduce down time. It also accommodates mobile monitoring (web cameras and PDA). ■■■■■

EcoEMOS Production Reporting & Shift Scheduling

The Production Reporting module generates any customer-specific key performance indexes and data analyses for plant operation, maintenance and management. With the module pointing out bottle necks, technical and organizational weak points, the production costs can be set to a minimum by preventative maintenance measures. Furthermore, media consumption is closely monitored to assist in ensuring cost effective operation. Online production boards display live production performance. Shift Scheduling is the basis for automatic switching and reporting. ■■■■■



EcoEMOS Order & Logistic Management

The Order Management module plans and administers the production orders received from ERP. Production sequences are generated on a rule basis. The tracking system identifies bodies and vehicles related to production sequence. Furthermore, control and optimization possibilities for high bay and flat storages are readily available. Using the tracking information work orders are assigned to work stations and required production data to the local equipment. ■■■■■

EcoEMOS Quality Management

The Quality Management module monitors and controls both process and product quality. Data for paper based or paperless quality audits and reports identifying all kinds of processes and vehicle relevant quality issues are recorded and evaluated. The quality of processes and products can be monitored while the plant is online, thus allowing focused interventions. The optimization of processes is based on trends and analyses of interdependencies between process and product. ■■■■■



EcoEMOS Hardware & Network

We supply you with hardware and specific tools required to complete our turnkey approach. Whether it is an internet enabled network, multimedia display or link-ups from mobile PDAs we will deliver the optimum solution. ■■■■■

EcoEMOS Services

The services we offer include:

- Remote and onsite support;
- Service packages for implementation and training;
- Individual software services

As a modular, web-based and open platform system, Dürr's **EcoEMOS** integrates seamlessly with all production control units and higher level ERP systems. **EcoEMOS** is applied in the automotive manufacturing chain, but also for other discrete production based industries. Based on parameterizable modules the intuitive handling system offers the ideal solution dedicated to increasing productivity. ■■■■■



EcoEMOS

Your competitive edge with Dürr

- Professional experience in production lines
- Improvement of production flow
- Independent from shop-floor PLC brands
- Scalable from visualization to plant control
- Modular extension from shop to shop
- Simple modification with own staff
- Global web-based access

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