LEONI

COMMUNICATION SOFTWARE AND TOUCH SCREENS IN THE PRODUCTION PLANT

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CASE STUDY

Working more efficiently with information
leads to improved production quality and workflows

1 REQUIREMENTS

- To simplify and streamline information handling in the production plant
- Deliver information to specific employees
- Communicate a wide range of information: production statistics, production errors, specific tasks, workflows, alarm management...
- Having a modern solution that enhances the image of the company

2 SOLUTION

- Creating a prototype software to display and input information for the needs of a specific manufacturing plant
- Integration of the system with touch screens
- Employee authentication via smart cards

3 BENEFITS ACHIEVED

- More efficient work with information in the production plant
- Employees' task performance controlling
- Increased quality of production and work processes
- "Wow effect" in front of customers and representatives of other branches

STARTING POINT

In the production plant there was a requirement to fundamentally improve and simplify the way in which information of various kinds are handled. Wide range of information had to be displayed, such as statistics of current production, specific tasks for employees on a given shift, work instructions and procedures, management alarms, up to lunch menus and bus departures.

It was desirable to both enter and display the right information to the right employees quickly and efficiently during production.

CHIP CARD AUTHENTICATION

SOLUTION

We prototyped an integrated hardware-software solution using touch screens, smart card authentication and custom software developed for the client.

On the production floor, employees can see important production information, instantly enter production errors and details, and easily write down data that needs to be checked regularly.

When starting and leaving a shift, employees are guided through a guide of specific tasks that need to be performed depending on the shift. The system clearly displays work procedures, instruction manuals, 5S, OHS, etc. on the screens.
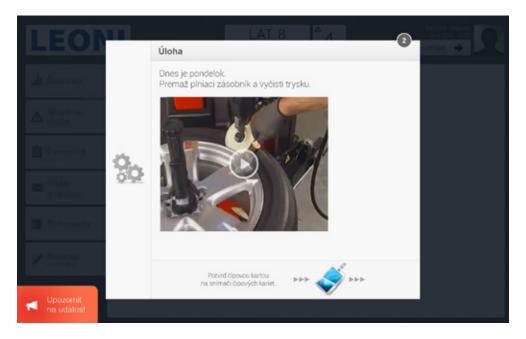
All communication is linked to specific persons who authenticate to the system with smart cards. The system also supports multi-level authentication for tasks where this is desirable.
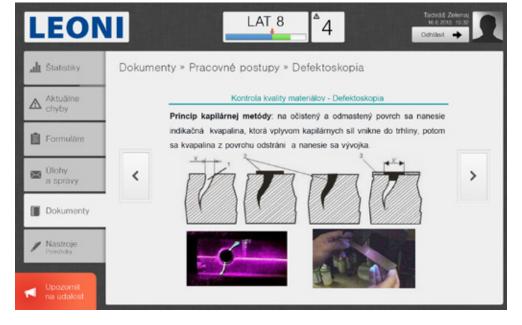
The modern solution increases the efficiency of communication in the production operation. At the same time, it enhances the image of the company in the eyes of customers, business partners and employees.

ELIA, s. r. o.

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TASK GUIDE

PROCEDURES

JURAJ KOCKA
Head of creative division

+421 914 323 952

juraj.kocka@elia.sk

ELIA, s.r.o.
Hviezdoslavovo námestie 7
811 02 Bratislava
Slovakia

elia