

7 Use Cases Using One RTLS Deployment

HOW VELUX COMMERCIAL MAXIMIZES ROI



1

AUTO HEIGHT ADJUSTMENT

Window frames are processed on AGVs that serve as a workbench. Anytime an AGV arrives at the workstation, its height is **adjusted to fit the height of the person** physically closest to it.

Result: Increased ergonomics and shortened operational time

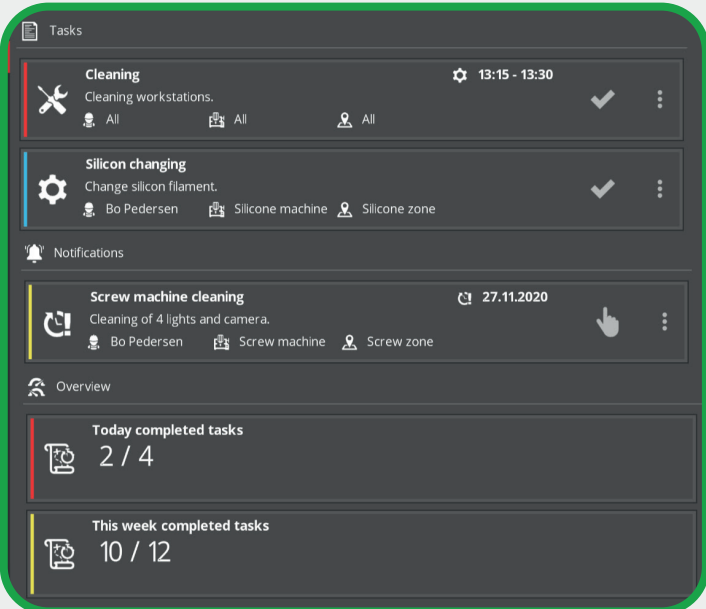
WORKSTATION MANAGEMENT

Every workstation is checked for an appropriate number of operators and their right skillset level. If an AGV arrives at a workstation missing a worker in close proximity, it **automatically sends an alert**.

Result: A 10% increase in productivity through better shop-floor management



2



3

NAVIGATION OF WORKERS

Total Productive Maintenance (TPM) tasks are listed with information of what, when, how and who needs to perform it on a machine, including **navigation to it**.

Result: A 50% performance boost in TPM activities

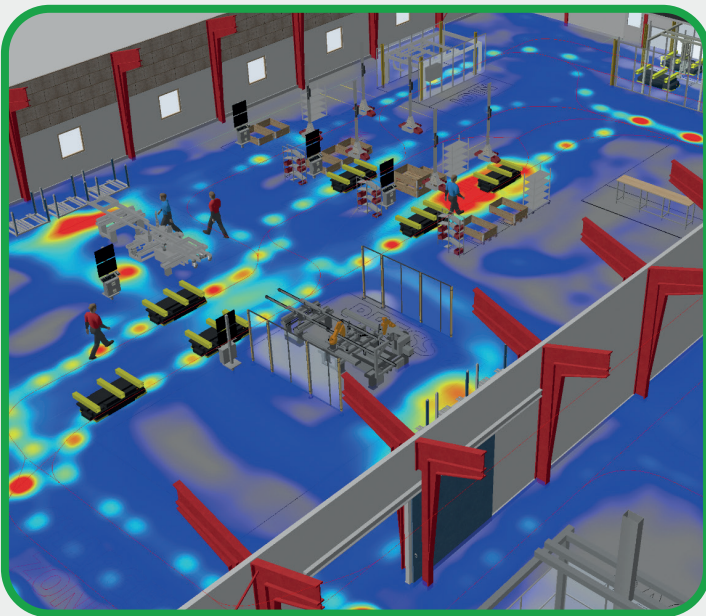
ENRICHED VIRTUAL TRAINING

The virtual-reality training with POV (Point Of View) camera mode is enriched with RTLS data showing the trainee **the actual traffic situation** rather than an outdated model.

Result: A 25% shorter adaptation process for new operators by virtual training



4



5

ADVANCED ANALYTICS

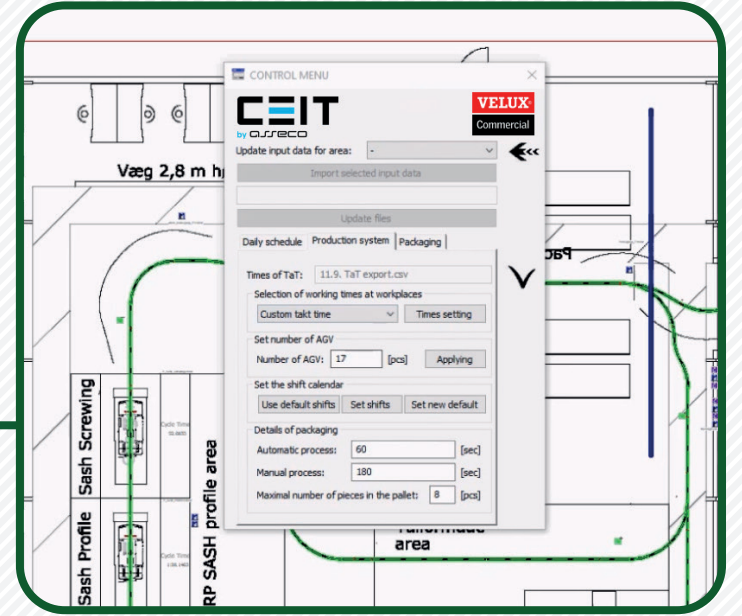
Spaghetti diagrams and heatmaps enable process teams to identify redundancies in the workflow and opportunities to expedite process flow—all to **increase efficiency**.

Result: A 10% decrease in WIP thanks to improved communication channels

PARAMETRIC SIMULATION

Any process update that is planned can be firstly evaluated through the parametric simulation model enriched with RTLS data, helping production managers to **find the best efficiency variant**.

Result: Improved decision-making process using parametric simulation



6



7

REAL-TIME DASHBOARDS

Everyone can rely on a **single source of truth** of data for planning, monitoring and optimizing the production process. Offering both current and historical production data.

Result: Real-life and real-time data for informed decision

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