

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

2 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

4 ENRICHED VIRTUAL TRAINING

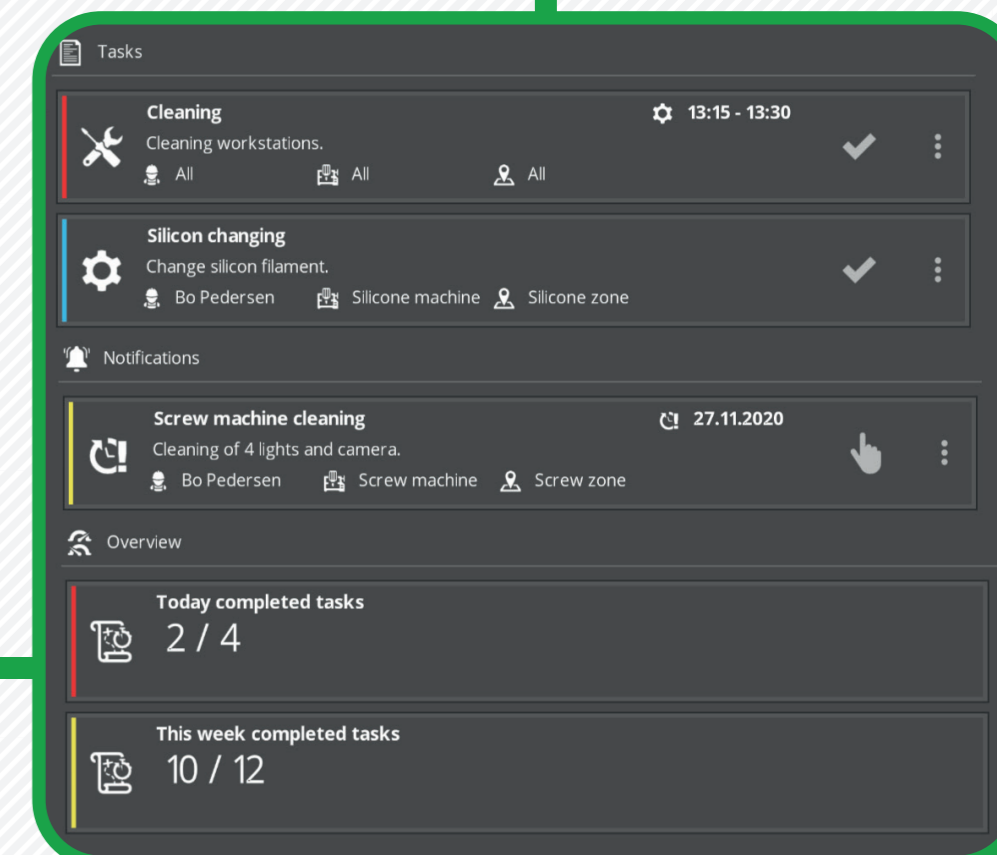
The virtual-reality training with POV (Point Of View) camera mode is enriched with RTLS data showing the trainee **the actual traffic situation** rather than an outdated model.



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

3 NAVIGATION OF WORKERS

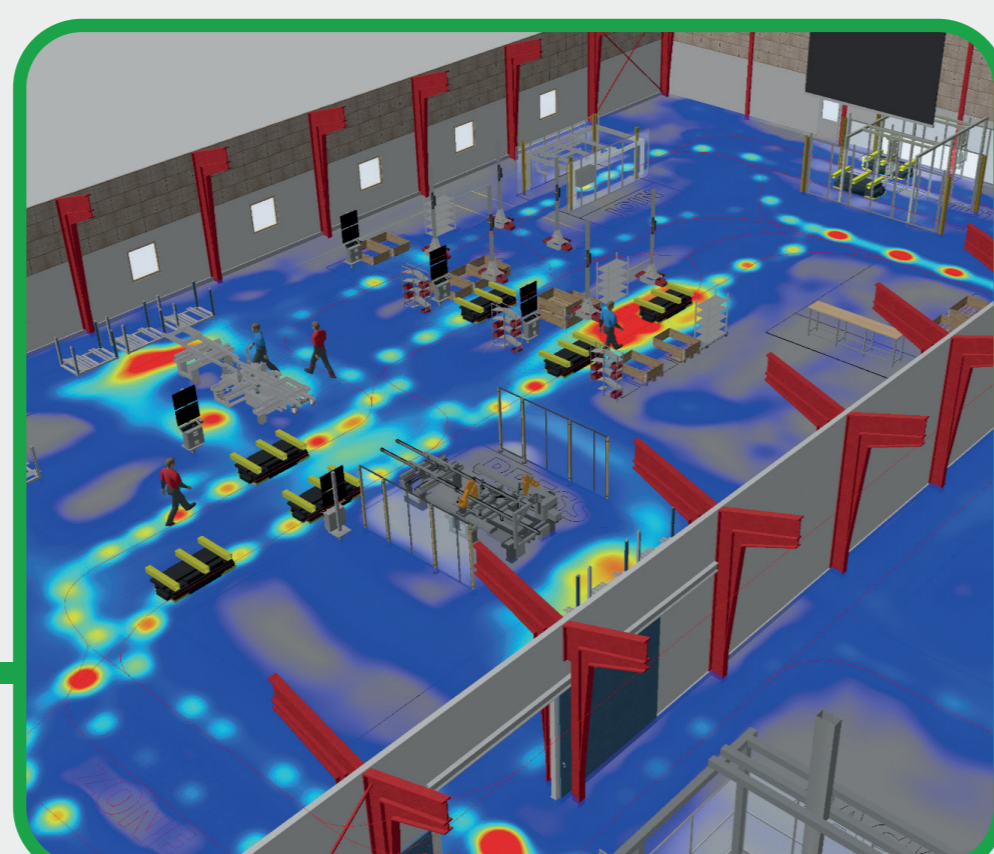
Total Productive Maintenance (TPM) tasks are listed with information of what, when, how and who needs to perform it on a machine, including **navigation to it**.



Result: A 50% performance boost in TPM activities

5 ADVANCED ANALYTICS

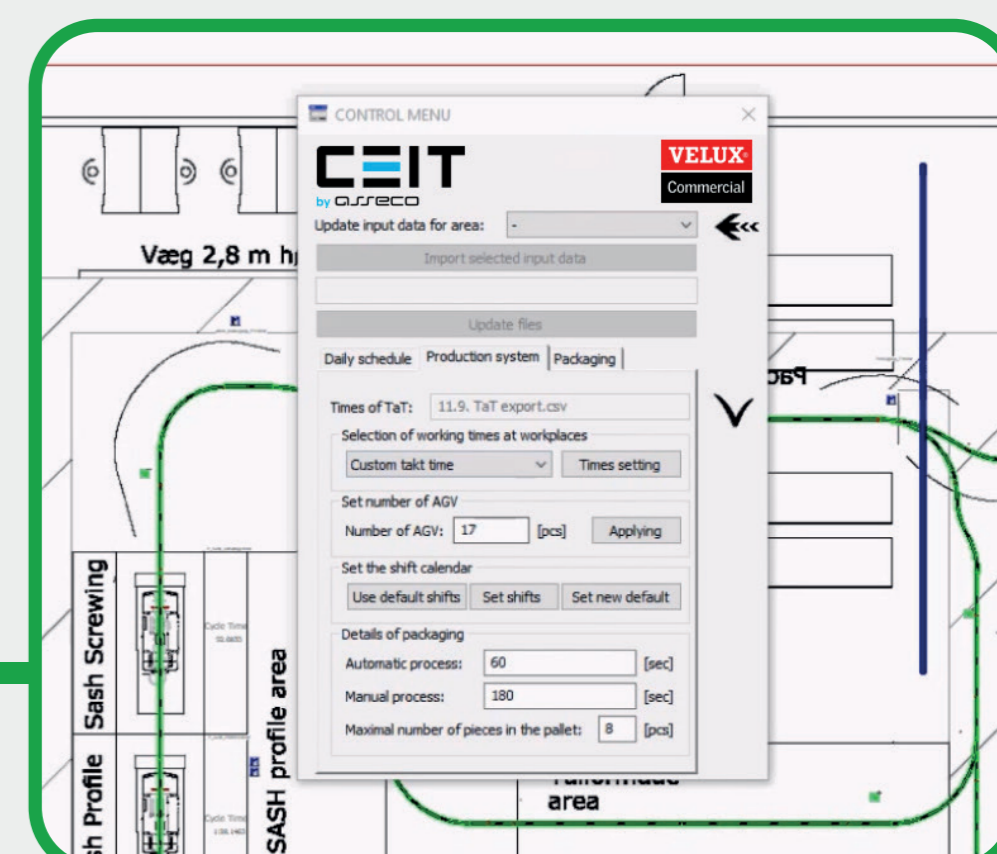
Spaghetti diagrams and heatmaps enable process teams to identify redundancies in the workflow and opportunities to expedite process flow-all to **increase efficiency**.



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

6 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

“Ella platform, empowered with Sewio RTLS, has opened a whole range of use cases that we are continuously delivering, with each step reaching a higher digital maturity level, boosted efficiency and what's most important, getting the competitive advantage.”

Rastislav Ruckay, Supply Contributor at VELUX Commercial



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

Customer



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