Z factory
Work made easy

POWER TO
THE OPERATOR

Digitised checklists, autonomous maintenance
tasks, audits and work instructions
to optimize operational effectiveness
& efficiency of factory floor operations.

EZ FACTORY:

"Developing software is simple, but it is very difficult to develop simple software"

Robert Bouwman & Randy Appiah proud founders of EZ Factory

Our story

Randy Appiah and Robert Bouwman developed the first version of the EZ-GO app in 2017. „We want to help operators in factories by making their daily work easier, more fun and efficiently", explains Robert. „Use of paper forms, checklists and etc. is still enormous, but this can be done differently", Randy adds. „"That's why we went to Gemba with operators from different factories, to discuss what the mobile and visual app should look like. Now they have everything at their finger tips in one device. They can check the app to see what they have to do today, where, when and how to do it." The job gets done right the first time, every time.

Top 50 most influential Dutch startups

Winner of Gerard & Anton Philips Award

Top 5 ASML Young Makers Award

Our passion: **Power to the Operator!**

We want to make factory floor operations easier by using digital solutions. The founders of EZ Factory have worked side by side with operators for years and learned from this experience. In every factory they saw the same challenges:

Our way of working

We know the industry by heart and are eager to help you to make your daily work easier. Thanks to our user-friendly, mobile and visual apps every operator knows what he or she needs to do, when to do it and how to do it. We visualize the work and make it easy with only a few clicks on the screen needed.

EZ FACTORY CUSTOMERS
GLOBAL MANUFACTURING COMPANIES

Together with our partners we enable speed and scalability to create value for our customers

TRUSTED BY

CONO KAASMAKERS SINDS 1901 · Berry · Brand 1340 BIERBROUWERIJ · CONFISERIE NAPOLEON SINCE 1912

Refresco · PM PHILIP MORRIS INTERNATIONAL · BMW · Aviko Rixona

Driscoll's Only the Finest Berries · Heineken · Upfield · Verosol

Verkade · sappi · elho give Room to Nature · DANONE ONE PLANET. ONE HEALTH

FN STEEL · FrieslandCampina · TKF · JDE JACOBS DOUWE EGBERTS

Givaudan · AnQore · UZIMET · Vreugdenhil Dairy Foods

The EZ-GO platform enables management and other employees within factories to adhere to critical standards and processes with process confirmation.

VALUE
Our partners have knowledge of the industry and digital technology which makes them able to create VALUE for your factory.

SPEED
Together with our partners we SPEED up deployment, using our plug and play solution, proven technology and certified implementation capacity.
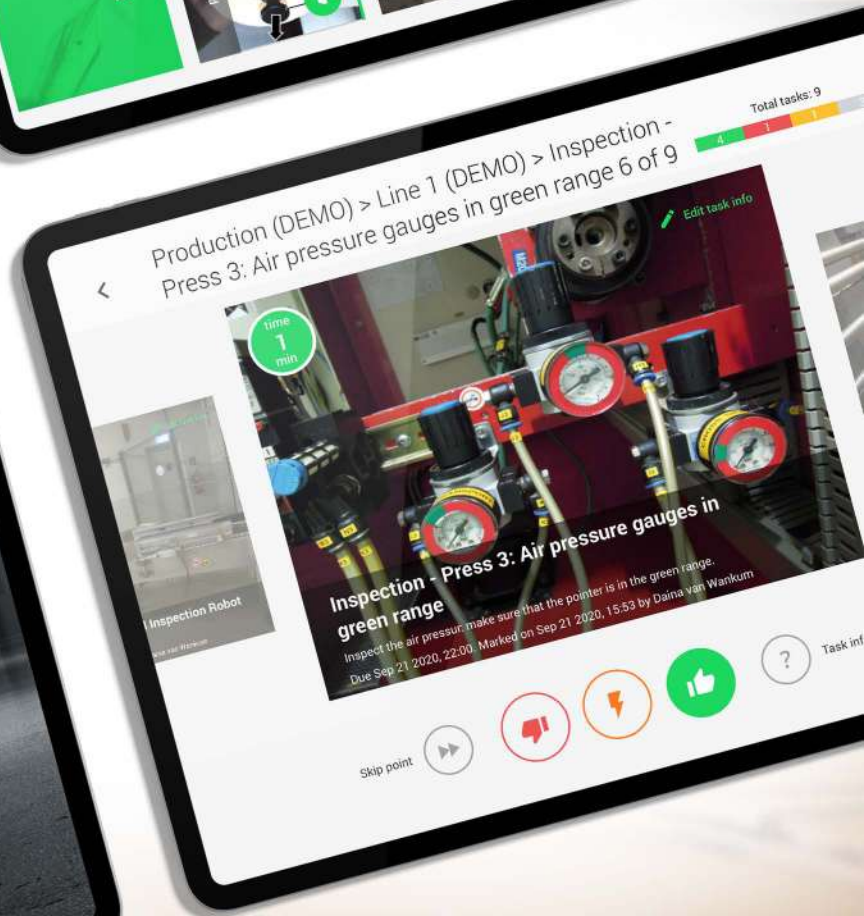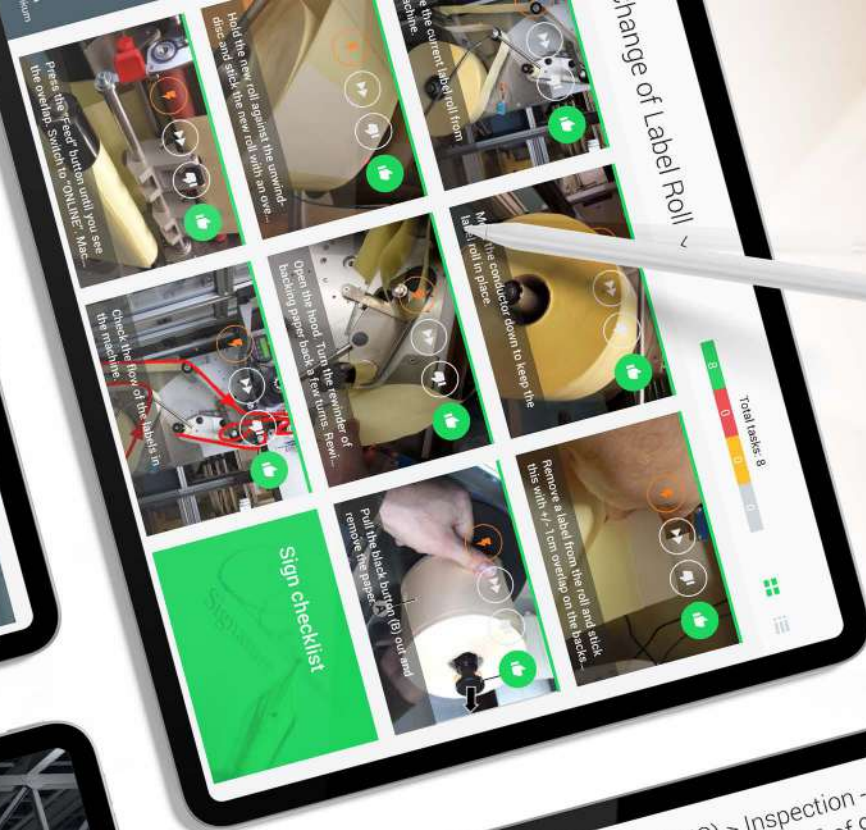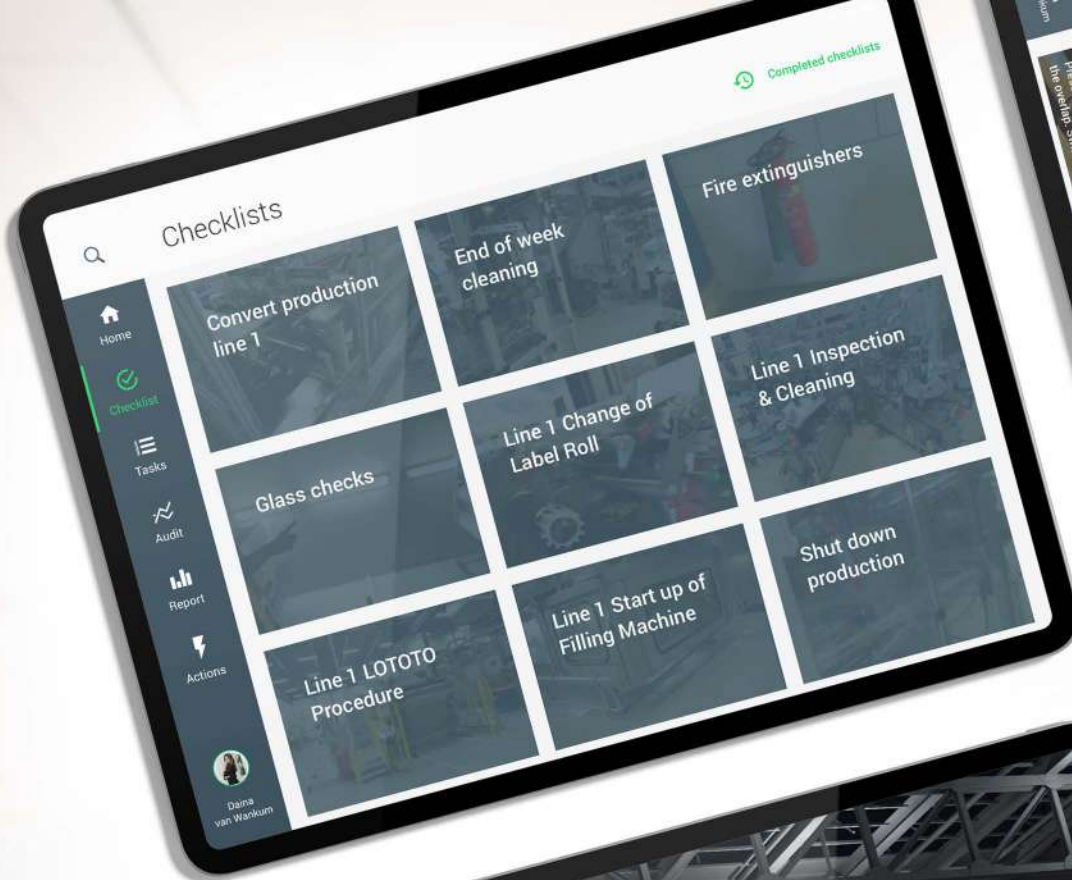
SCALABLE
With our partners, we serve the world with a highly adaptive and SCALABLE solution that can be implemented worldwide.

OUR TRUSTED PARTNERS

KAIZEN INSTITUTE · ULTIMO

Roland Berger TENZING · Pontifexx

Checklists

- Convert production line 1
- End of week cleaning
- Fire extinguishers
- Line 1 Inspection & Cleaning
- Line 1 Change of Label Roll
- Glass checks
- Shut down production
- Line 1 Start up of Filling Machine
- Line 1 LOTOTO Procedure

Completed checklists

Home
Checklist
Tasks
Audit
Report
Actions

Daina van Wankum

Change of Label Roll

Hold the new roll against the unwinding-disc and stick the new roll with an over-lap. Switch to "ONLINE". Mac...

Press the 'Feed' button until you see the overlap.

Open the hood. Turn the rewinder of backing paper back a few turns. Rewi...

Me the current label roll from label roll in place

Check the flow of the labels in the machine

Remove a label from the roll and stick this with +/- 1 cm overlap on the backsi...

M the conductor down to keep the

Pull the black button (B) out and remove the paper

Sign checklist

Total tasks: 8

Welcome Daina!

Audit

Tasks

Daina van Wankum

ZGO

Username

Password

Login

Total tasks: 9

Production (DEMO) > Line 1 (DEMO) > Inspection - Press 3: Air pressure gauges in green range 6 of 9

Edit task info

Inspection Robot

time 1 min

Inspection - Press 3: Air pressure gauges in green range

Inspect the air pressure make sure that the pointer is in the green range. Marked on Sep 21 2020, 15:53 by Daina van Wankum
Due Sep 21 2020, 22:00. Marked on Sep 21 2020, 15:53 by Daina van Wankum

Skip point

? Task info

CHECKLISTS & FORMS

BUILD CHECKLISTS AND FORMS TO STANDARDIZE IN FACTORIES

Standardize critical processes and procedures to do the job right the first time, every time

Features of Checklists and Forms

The EZ-GO platform supports factories to improve the safety, quality, training and efficiency on the production floor. With the Checklists module you can easily build change over, start-up, shut-down, shift transfer, process confirmation, Lock Out - Tag Out and any other checklist.

Why checklists and forms?

Reduce unplanned downtime and increase productivity in your factory, by standardizing processes and procedures.

That is why you need to secure knowledge and skills in your factory with clear, visual checklists and forms. Make sure your employees can work safely and processes and procedures are always executed the same way.

Up-to-date
Every operator has the up-to-date standards at his fingertips

Accessibility
Available in no-time at every location in your factory

Deviations
Deviation from the standard? Report it immediately

Visual
Add image's, video's or work instructions

Build templates
Easily design new forms or checklists

Digital sign-off
Forms and checklists can be signed by operators and team leaders
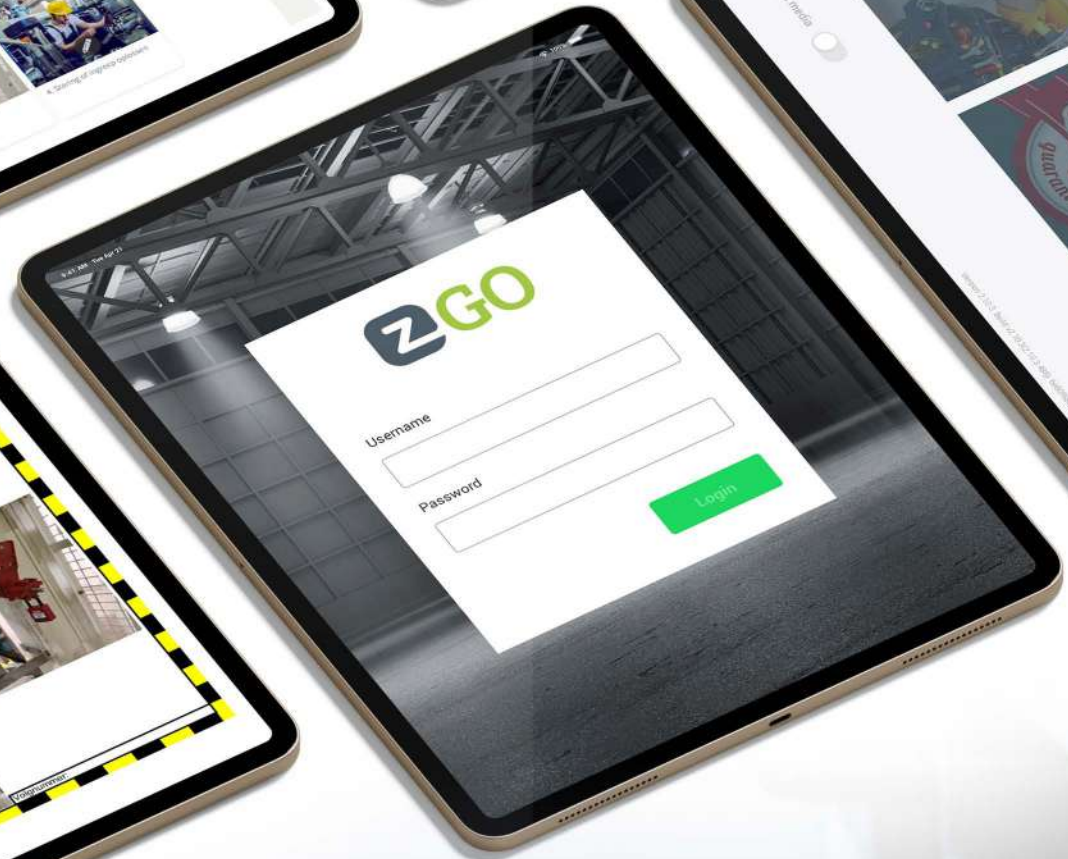
Availability
Execute forms and checklists across shifts and teams

Sharing
Use the right standards at multiple production lines and locations

WORK INSTRUCTIONS

TRANSFER, MAINTAIN AND UPDATE SKILLS WITH WORK INSTRUCTIONS

Involved and well-trained factory workers who show ownership, enable growth to a world-class level in safety, quality and efficiency

Why work instructions?

The aging population and the high turnover of employees have an enormous impact on the safety of people and the performance of the factory.

Therefore, safeguard the knowledge and skills in your factory with clear visual work instructions. Ensure that everyone works safely with up-to-date and step-by-step work instructions.

Features of Work Instructions

The EZ-GO platform enables operators to always have the most recent work instructions available, stimulates continuous improvement and ensures better performance in the workplace.

One platform that provides overview of
WHAT to do, WHERE to do it, WHY to do it, WHEN to do it and HOW to do it

Directly accessible
Capture, transfer and real-time accessibility of specific knowledge from experienced operators

Visualize
Use videos to express even better how important procedures should be executed

Increase involvement
Adjust work instructions immediately based on feedback from the production floor

Continuous Improvement
Motivate operators to continuously improve standards and work instructions

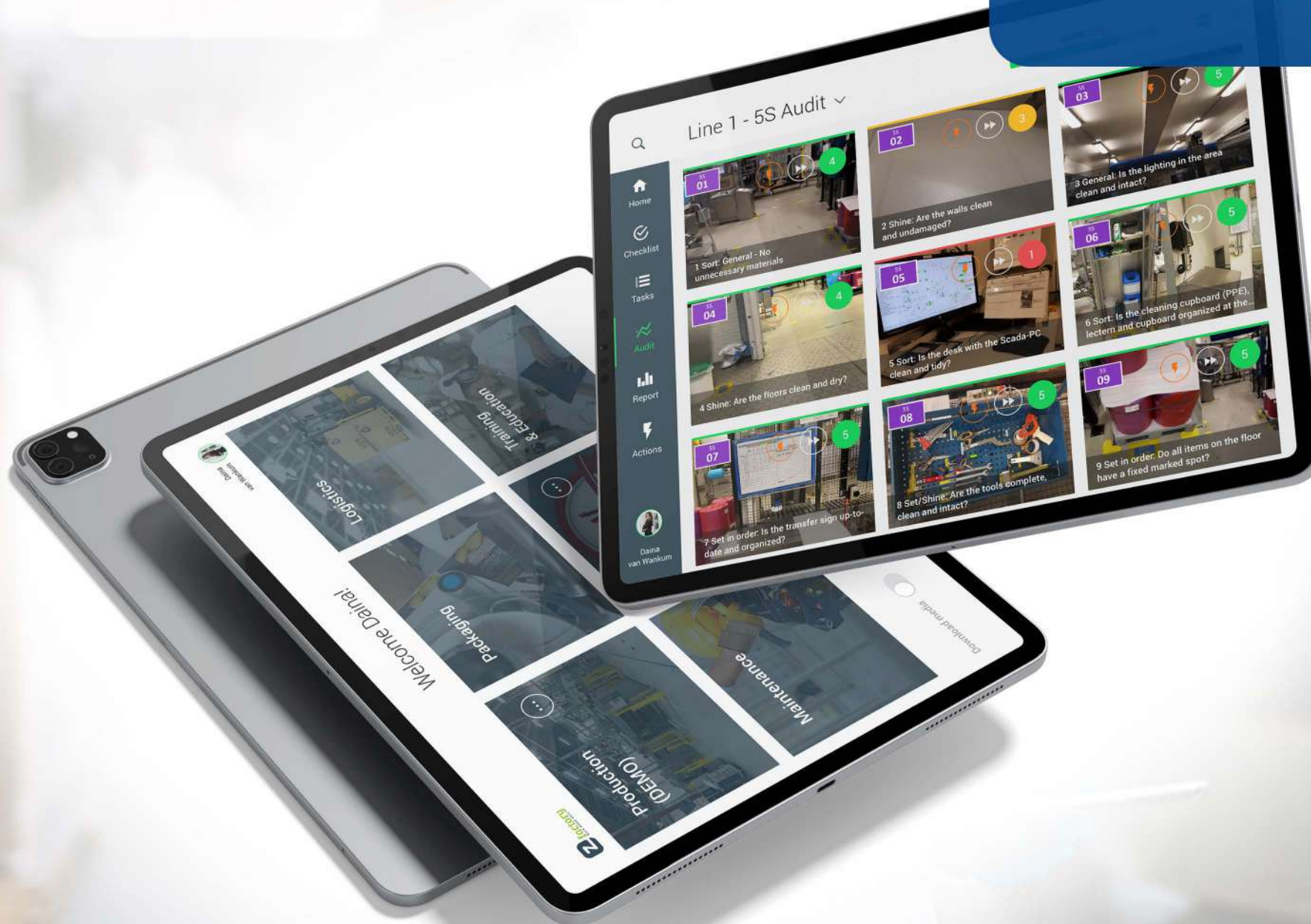### Build a skill matrix
Get insight in the skills of employees

Mobile access
Operators use mobile apps to access the latest work instructions

Workplace training
Easily build visual and standardized work methods & procedures in a workplace training area

AUDITS TO MAINTAIN SAFETY AND QUALITY

Maintain the high standards and processes within your factory by auditing regularly

Features of Audits

The EZ-GO platform enables different disciplines within factories to regularly monitor and audit procedures and processes to maintain standards.

Why audits?

Auditing for compliancy and continuous improvement

Assurance and compliance can be organized in a simple and digital way. This ensures that everything is available in a visual and standardized way for every discipline to comply with all rules and guidelines. Furthermore, the current standard can be improved continuously.

Multidisciplinary use
Audits are being used for example by Production, QESH, HR, and Maintenance

Safety and Hygiene rounds
Ensure the safety and hygiene within your production environment by executing frequent checks

Pending actions
Simple overview of the pending corrective actions and improvements

Involvement
Evolve to 100% execution of standards. Become king in Continuous Improvement

Action management
Add text, images and video's to audit items to propose improvements

Instant chat module
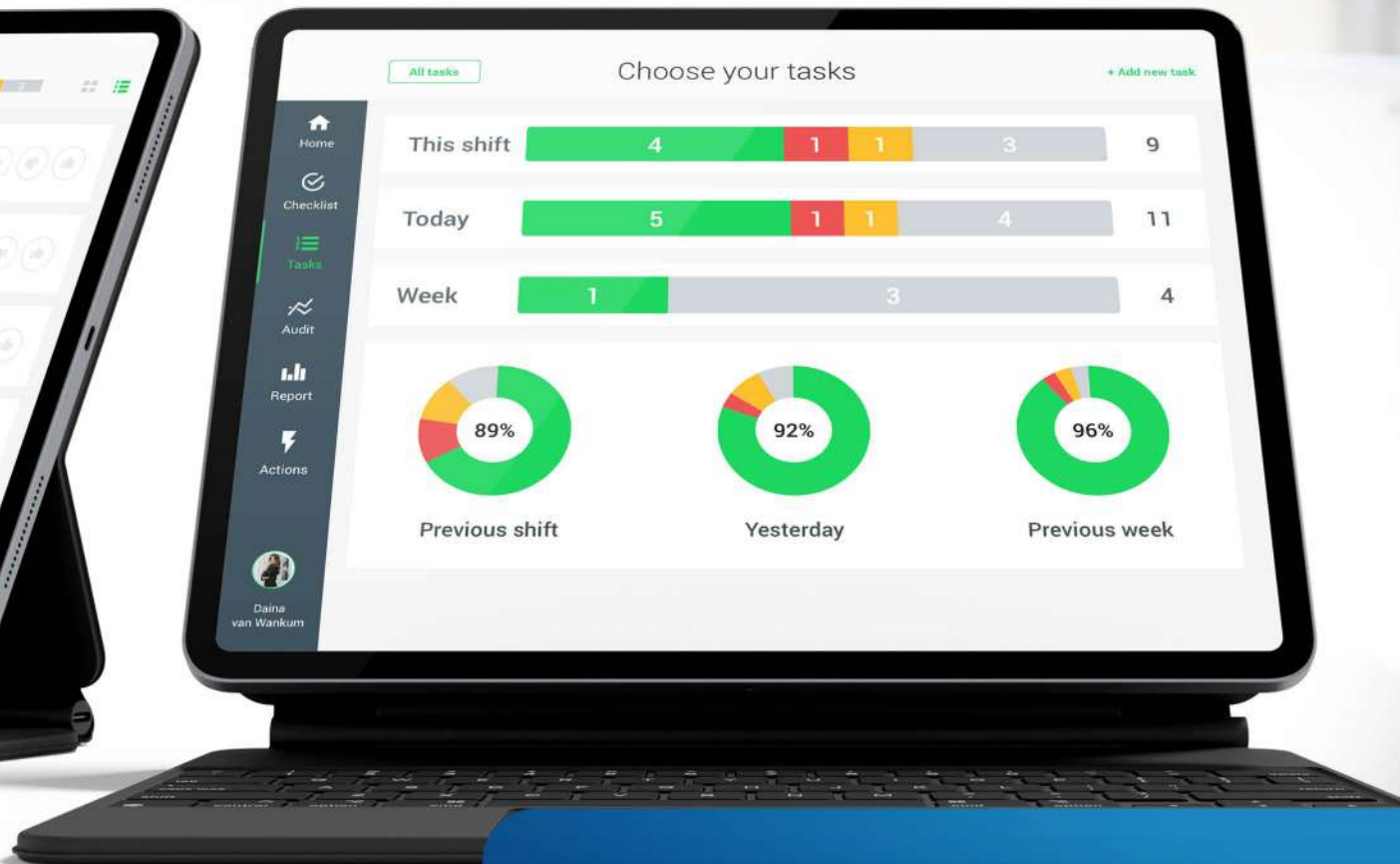Chat with colleagues concerning improvements or issues

View history
Look back in time with reports and find out if any improvements can be made

Score method
Audits can be configured in many ways by setting the scoring method

Left tablet screen:

This shift ⌄

Total tasks: 9

Inspection - Line 1: Suction cups

Inspection - Line 1: Pressure gauge

Inspection - Line 1: Inspect the chains

Cleaning - Conveyer belts: Clean supply belts

Cleaning- Robot area: Cleaning and Inspection Robot

Inspection - Press 3: Air pressure gauges in green range

Home
Checklist
Tasks
Audit
Report
Actions

Daina
van Wankum

Right tablet screen:

All tasks

Choose your tasks

+ Add new task

This shift	4	1	1	3	9
Today	5	1	1	4	11
Week	1		3		4

89%
Previous shift

92%
Yesterday

96%
Previous week

Home
Checklist
Tasks
Audit
Report
Actions

Daina
van Wankum

TASK
MANAGEMENT

TASK MANAGEMENT TO SECURE THE OPTIMAL CONDITION OF THE FACTORY

Plan recurring Autonomous Maintenance tasks and support operators, team leaders & managers to guarantee the optimal condition of the factory

Features of Task Management

The EZ-GO platform provides factory workers overview of the recurring Autonomous Maintenance tasks for cleaning, inspection, lubrication, tightening etc. On time execution of these tasks keeps the production line in good condition, reduces safety incidents, planned downtime, waste and improves productivity.

Why task management?

The daily activities of a factory worker have an enormous impact on the end consumer.

Maintain and control the optimal condition of your factory with task management and make sure that end consumers can safely enjoy the quality products you manufacture.

Autonomous Maintenance planning

Plan recurring cleaning, inspection, lubrication and tightening tasks.

Real-time overview

Every operator has real-time overview of all relevant Autonomous Maintenance tasks

"On the Spot" work instructions

Visualize work instructions for any task that needs to be done

Clearly visual

Tasks are clarified with images, video's and work instructions

Area structure

EZ-GO is structured in production lines, work areas and machines

Duplicate best practices

Simply duplicate AM tasks and apply to similar production lines

Management & escalation

Work towards 100% execution of AM tasks and report deviations

Plan-Do-Check-Act Reports

Always know the status of planned work and the biggest deviations on the shop floor

PROCESS CONFIRMATION

PROCESS CONFIRMATION TO ADHERE TO STANDARDS AND PROCESSES

Check if critical processes and procedures in your factory are executed as they are designed

Features of Process confirmation

The EZ-GO platform enables management and other employees in factories to check adherence to critical standards and processes with process confirmation.

Why process confirmation?

Process confirmation stimulates performance by engaged leadership on the production floor.

Process confirmation is key to check if critical processes and procedures are properly executed in your factory. With the frequent presence of leadership on the factory floor to evaluate the correct execution and results of standards and procedures, you will improve safety, quality and efficiency.

Multidisciplinary use

Process Confirmation is being used by Production, SHE, HR, and Maintenance

Gemba walks on safety & hygiene

Ensure safety and hygiene on the shop floor by performing Gemba walks frequently

Action management

Simply add text, images and video's to deviations. Connect and involve the right colleagues.
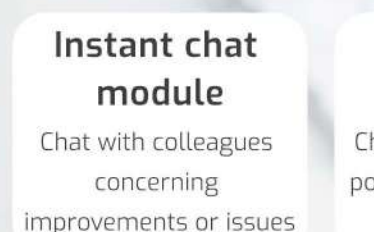
Picture proof

Confirm if quality control points comply with requirements with a picture

Digital signing

Process confirmation lists can be signed by management, operators and team leaders

Instant chat module

Chat with colleagues concerning improvements or issues

Insights in history

Check reports and find possible improvements to your processes

Score method

Process confirmations can be configured in many ways by setting the scoring method

SKILLS

DIGITAL SKILLS MATRIX PROVIDES A QUICK OVERVIEW OF SKILLS

Schedule employees according to their capabilities and continuously develop your team.
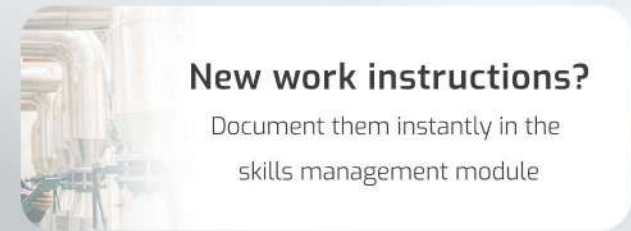
Features of Skills Matrix

The digital skills matrix on the EZ-GO platform makes it easy to schedule employees, gain insight into their skills and plan trainings.

Why a digital skills matrix?

The skills matrix outlines operators' skills and what development is needed. Having a digital record means the information is always up to date, making scheduling and training an easy task. The skills matrix displays each employee's skills, core qualities and certifications.

Assess the skills of your employees and every new task they have learned. The digital skills matrix provides an instant and up-to-date overview.

New work instructions?
Document them instantly in the skills management module

Clear overview
Details on skills, core qualities and certifications for each employee.

Clear visuals
Use images and videos to illustrate how important procedures should be carried out

Replacement
Is someone off sick? The skills matrix shows which other operators have the necessary skills

Assess skills
Skills assessments help you assess and train your employees in a focused way.

Develop skills
The overview shows which skills can be developed at both individual and team level

Achieve goals
Operators have insight in what is required for certain roles and can develop accordingly

Manage capacity
You can see who possesses which skills at a glance. This enables fast and easy personnel planning.

EZ-GO MARKETPLACE

Get more value from your EZ-GO Platform

EZ FEED

Share information and communicate instantly in a fast and easy way

The EZ Feed functionality is designed to connect factory workers and teams across shifts, departments and plants, leading to better communication, engagement and higher performance.

SENSE OF URGENCY
Highlight your safety and quality challenges and share important updates

SHARE INFORMATION
Easily share your continuous improvement team successes across all departments

CELEBRATE SUCCESS
Give feedback to all posts in your EZ feed timeline by using the like button or leave a comment

One platform, all EZ-GO related solutions

The EZ-GO Marketplace is the place to get more value out of the EZ-GO Platform. Integrations with technology partners, add-ons, industry solutions, and other products are showcased in the marketplace. Enrich your EZ-GO with additional integrations. Get inspired and search for specific add-ons in your industry.

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★ Heineken®