

SEE VITAL SIGNS.
TAKE VITAL ACTION.

ULTIMO

maintec

THE UK'S PREMIER MAINTENANCE ENGINEERING EVENT

NEC, BIRMINGHAM • 8-9 JUNE 2022

☰ Live-link your assets and facilities.



Will Batchellor

UK Account Manager



AGENDA

- About Ultimo
- EAM Trend Report Findings
- Autonomous Maintenance in Ultimo
- Future Developments
- Summary
- Questions

2,200

Customers globally

Gold
Microsoft
Partner


> 10,000,000

Assets managed with Ultimo

> 30

Years

Over 30 years of experience.
Experts in proces optimisation
since 1988.



> 40%

Customers
In the cloud

+56

Net Promotor Score
European

> 40

Countries

Users in over 40 countries
Offices in Great Britain,
Belgium, Germany &
The Netherlands

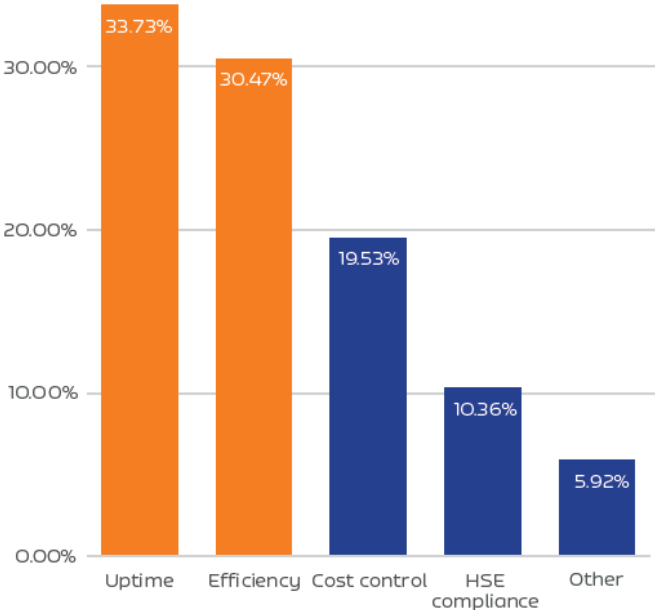
Recognised by analysts

Gartner®

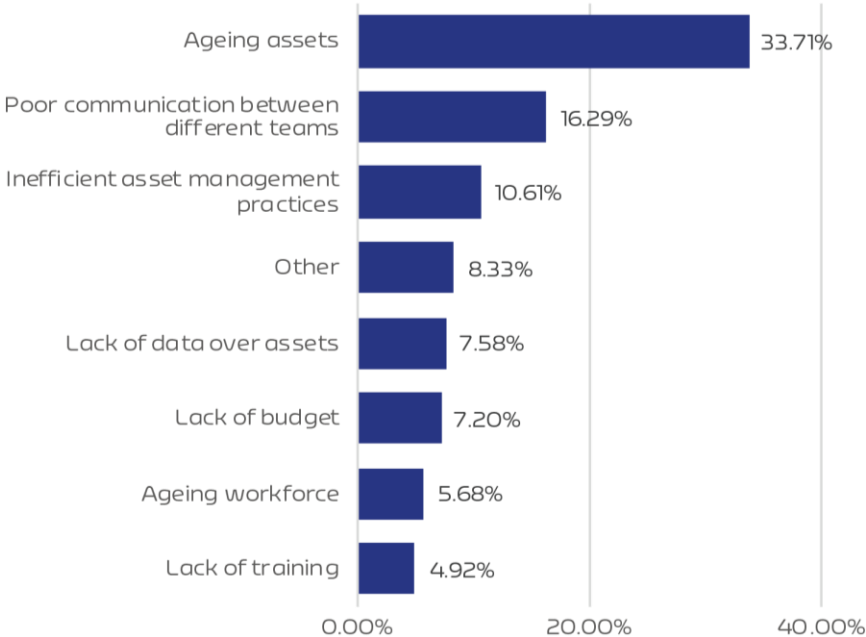
ARC
Advisory Group

ULTIMO EAM TREND REPORT 2021

Most important KPI's for asset managers



The biggest risk to uptime





Operations

OPERATIONS PERSPECTIVE



Production leader

“Too much downtime, production needs to be rescheduled regularly.”



Operator

“I can’t do my job, machine keeps failing.”



Who is to blame?

The maintenance department.



Maintenance

MAINTENANCE PERSPECTIVE



Who is to blame?

“The operators make a mess of it”



Technicians

Troubleshooting and routine work



Maintenance manager

“Not enough budget for high-level maintenance”

AGING WORKFORCE & RECRUITMENT CHALLENGES



What Maintenance Technician X

Tip: Enter your city or postcode in the "where" box to show results in y

Date posted ▾ Posted By ▾ Remote ▾ Salary estimate ▾

Company ▾

Page 1 of 2,259 jobs ⓘ

Maintenance Technician jobs

Sort by: **relevance** - date Page 1 of 2,259 jobs ⓘ

Maintenance Technician ⋮

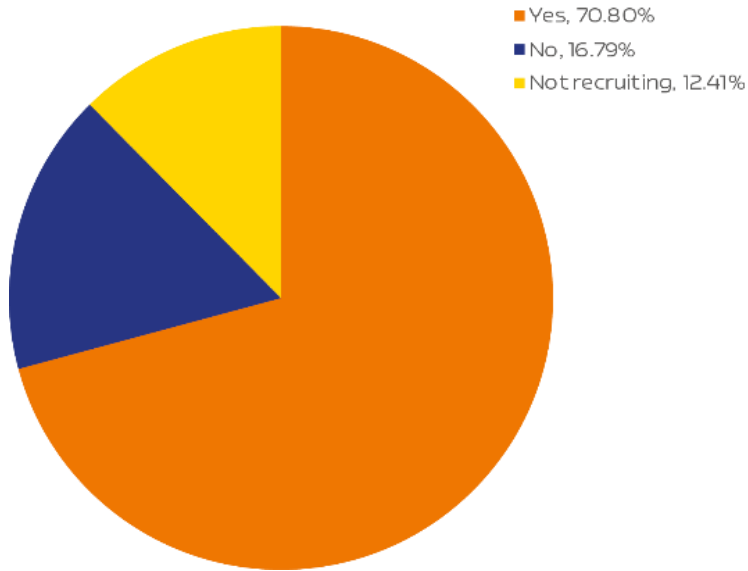
£1,445 - £2,675 a month

- Carrying out planned **maintenance** across the site in an accurate, timely and safe manner ensuring **maintenance** procedures are followed.

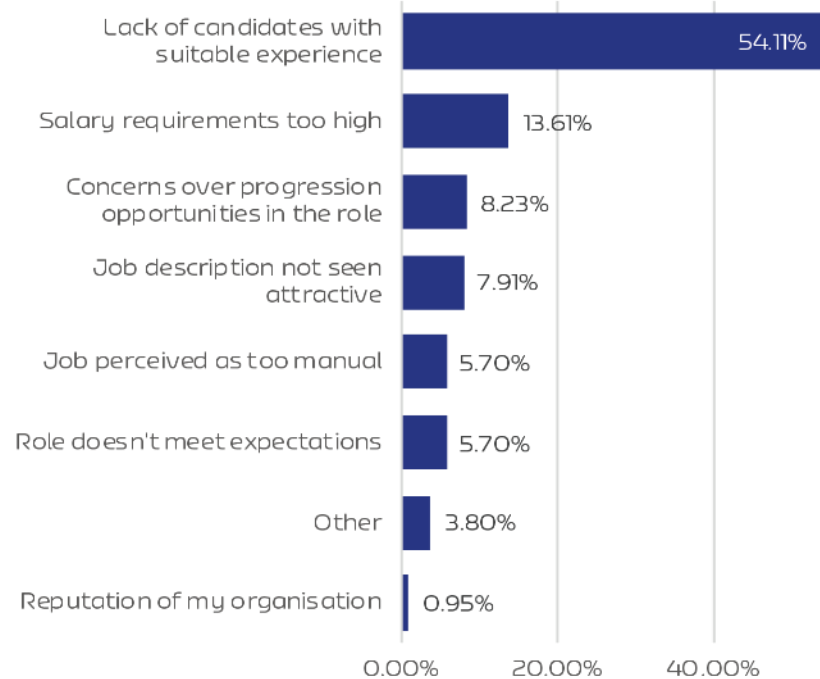
16 days ago

AGING WORKFORCE & RECRUITMENT CHALLENGES

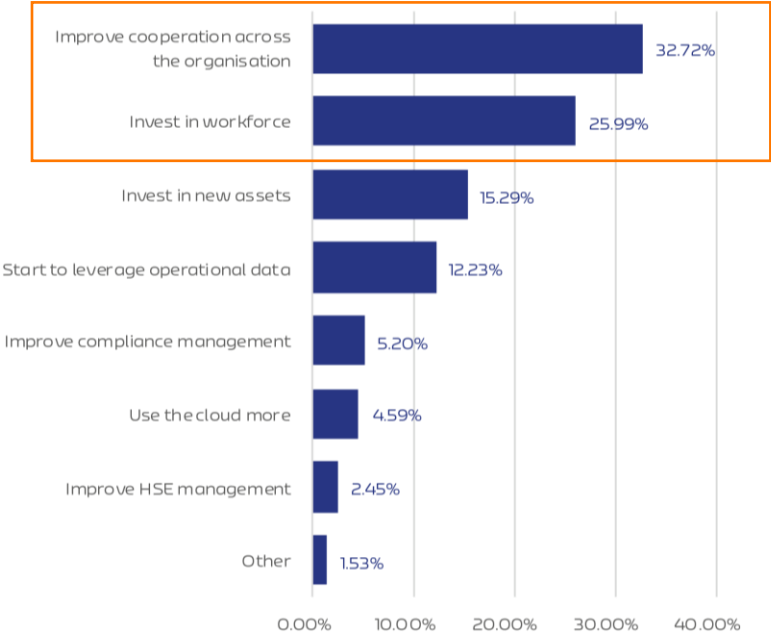
Have you had problems finding suitable candidates for open positions?

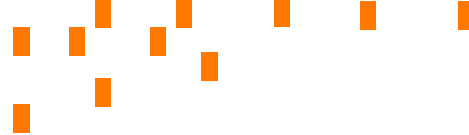


If yes, what are the reasons?

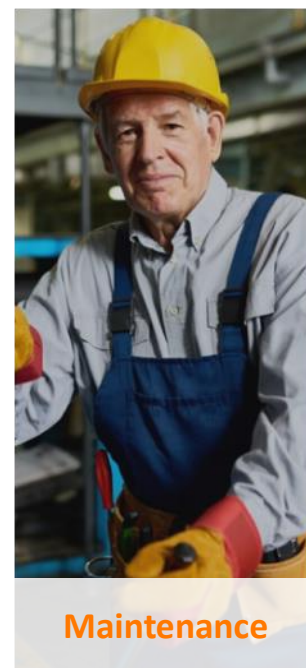
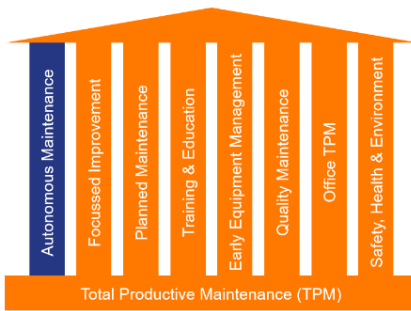
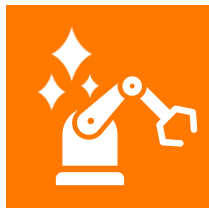


MOST IMPORTANT STEP TO FUTURE PROOF YOUR OPERATION...





AUTONOMOUS MAINTENANCE

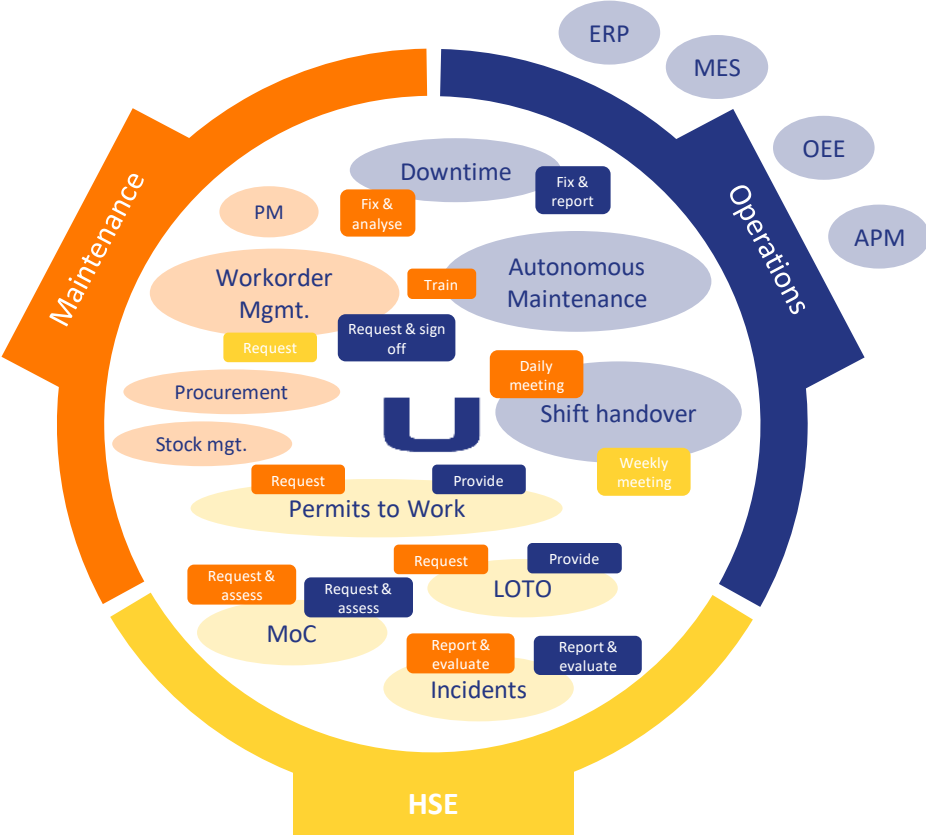


THE REALITY...

- Sub-administrations / Excel
- Or in maintenance workflow
- Outdated tasks
- No feedback loop



COLLABORATION IN ULTIMO



- MY ULTIMO
- OPERATIONS
 - Logbooks
 - Shift logs
 - Meeting lists
 - Meeting topics
 - Overview of log entries
 - Kanban boards
- TECHNICAL SERVICE
- PROPERTY
- PROJECTS
- PURCHASE
- WAREHOUSE
- HSE
- GENERAL
- MASTER DATA
- REPORT
- SETTINGS

Select filter

Code	Description	Process function	Department	Site	
<i>Filter</i>	<i>Filter</i>	<i>Filter</i>	<i>Filter</i>	<i>Filter</i>	
01	Cake line 2	Cake line 2		Factory	
02	Logbook - Purifying installation			Infra	
03	Bread line 1	Bread line 1		Factory	
NEXP1	Crate washer	Crate washer		Factory	

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Navigation icons: back, forward, refresh, search, home. OPEN >

Shift log 000008 Crate washer - 30-3-2022 - Morning shift

GENERAL GENERAL II MAINTENANCE TASKS

<p>DETAILS</p> <p>Crew <input type="text"/></p> <p>Employee <input type="text"/></p>	<p>ACTIONS</p> <p>Reopen Print shift log</p> <p>Close Back to logbook</p>
---	--

COMPLETED WORK

LOG ENTRIES

Green: added in this shift log Blue: changed in this shift log

				Description	Type	Downtime	Equipment code	Equipment	
View	Close	Meetings	Postpone	Conveyor belt does not seem to run optimally	<input type="text" value="Informative"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	Open

+ Add row

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Navigation icons: Home, Back, Forward, Refresh, Print, Share, Home

OPEN >

Shift log: 000008

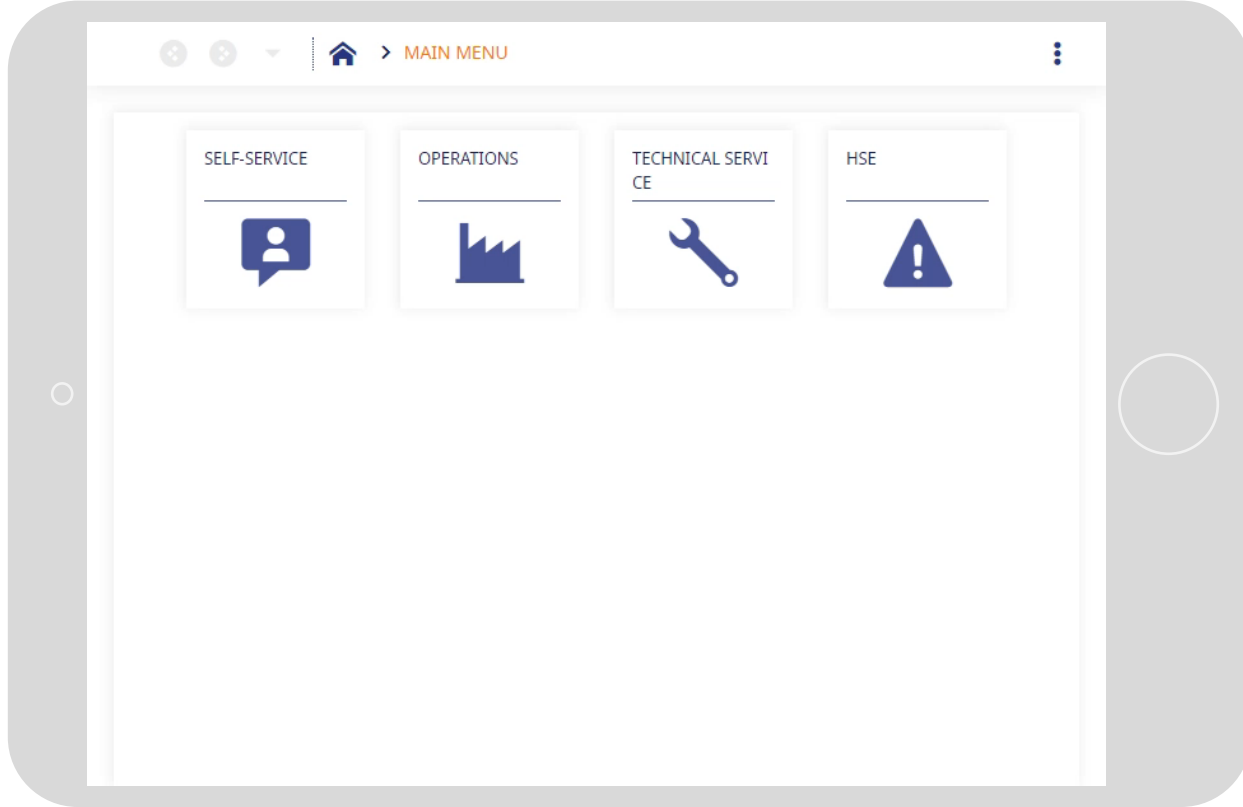
GENERAL GENERAL II MAINTENANCE TASKS

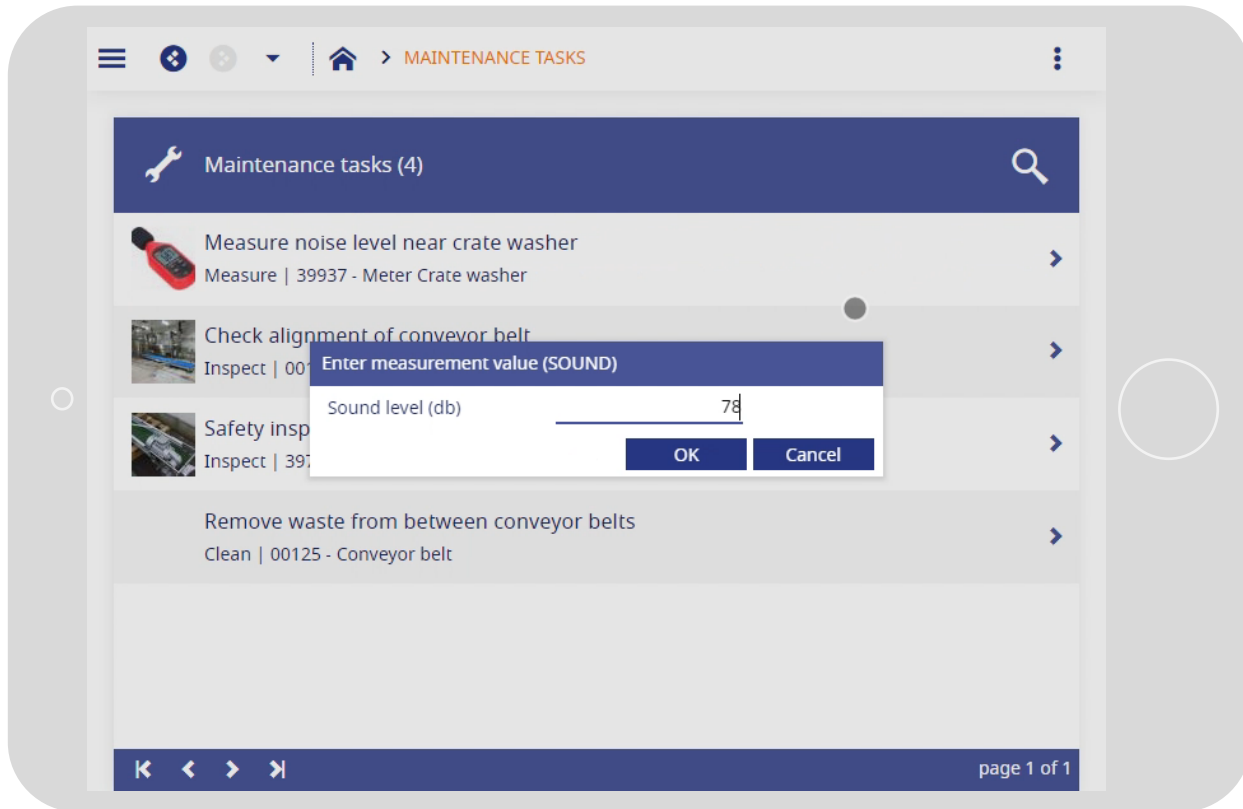
MAINTENANCE TASKS TO PROCESS

			Description	Type	Record status	Process function code	Process function	
View	Process	Skip	Lubricate worm wheels	Lubricate	Open	N.EXP.01	Crate washer	01
View	Process	Skip	Measure noise level near crate washer	Measure	Open			31
View	Process	Skip	Check alignment of conveyor belt	Inspect	Open	N.EXP.01	Crate washer	01
View	Process	Skip	Safety inspection of the conveyor motor	Inspect	Open			31

PROCESSED MAINTENANCE TASKS

	Description	Type	OK	Not OK	Measurement value	Record status	Process function code	Process function
View	Clean Pump 1	Clean	<input type="checkbox"/>	<input type="checkbox"/>	0,00	Finished	N.EXP.01	Crate washer





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K < > X

🔄 📄 🏠

OPEN >

Shift log 000009 🔍 Crate washer - 30-3-2022 - Evening shift

GENERAL

GENERAL II

MAINTENANCE TASKS

DETAILS

Crew

Employee

COMPLETED WORK

ACTIONS

Reopen

Print shift log

Close

Back to logbook

LOG ENTRIES

Green: added in this shift log

View	Close	Meetings	Postpo		Open
+ Add row					

Question

?

Shift log contains 1 inspection task finished as 'Not OK' and for which no job has been created.

Do you want to continue?

#3601

Yes

No



MY ULTIMO



OPERATIONS

Logbooks

Shift logs

Meeting lists

Meeting topics

Overview of log entries

Kanban boards



TECHNICAL SERVICE



PROPERTY



PROJECTS



PURCHASE



WAREHOUSE



HSE



GENERAL



MASTER DATA



REPORT



SETTINGS



Logbook NEXP1 Crate washer

GENERAL MAINTENANCE TASKS EMPLOYEES

ACTION

Create maintenance task

DRAFT MAINTENANCE TASKS

			Description	Type	Process function code	Process function	Equipment code

SCHEDULED MAINTENANCE TASKS

			Description	Type	Recurrence	End date of recurrence pattern	Execution window	Planned start
View	Delete	Change	Clean Pump 1	Clean	1 Daily	29-04-2022 07:00	1	31-03-2022 07:00
View	Delete	Change	Lubricate worm wheels	Lubricate	1 Daily	29-04-2022 07:00	1	31-03-2022 07:00
View	Delete	Change	Measure noise level near crate washer	Measure	1 Daily	29-04-2022 07:00	1	31-03-2022 07:00
View	Delete	Change	Check alignment of conveyor belt	Inspect	1 Daily	29-04-2022 07:00	1	31-03-2022 07:00
View	Delete	Change	Safety inspection of the conveyor motor	Inspect	1 Daily	29-04-2022 07:00	1	31-03-2022 07:00
View	Delete	Change	Remove waste from between conveyor belts	Clean	1 Weekly	27-04-2022 07:00	1	04-04-2022 07:00

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PLANNED >

Maintenance task: 0000000000030 Clean Pump 1

GENERAL IMAGES HISTORY

DETAILS

Logbook	NEXP1 - Crate washer	🔍
Maintenance task type	Clean	▼
Process function	N.EXP.01 - Crate washer	🔍
Equipment	00004 - Washing installation Pump 1	🔍

MEASUREMENT POINTS

Measurement point of pro...	▼	
Measurement point of equ...	▼	



WORK INSTRUCTION

Clean the pump thoroughly

SCHEDULE

Start	31-03-2022 07:00	📅 Morning shift	▼
End	31-03-2022 15:00	📅 Morning shift	▼

RECURRENCE

Pattern	1 Daily
End date	29-04-2022 07:00 📅
Execution window	1
Occurrences	31-3-2022 07:00 Morning shift - 31-3-2022 15:00 Morning shift;

ACTIONS

Change schedule Delete Back to logbook

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PLANNED >

Maintenance task 0000000000030 Clean Pump 1

GENERAL IMAGES HISTORY

DETAILS

Logbook NEXP1 - Crate washer

Maintenance task type Clean

Process function N.EXP.01 - Crate washer

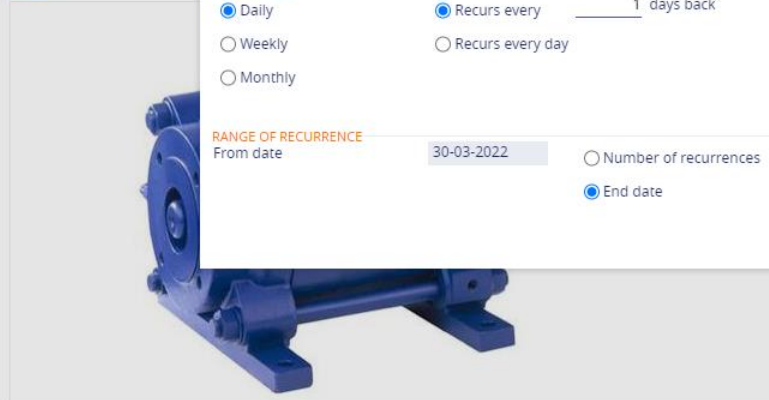
Equipment

MEASUREMENT POINTS

Measurement point of pro...

Measurement point of equ...

IMAGE



Set recurrence

RECURRENT

Daily Recurs every 1 days back

Weekly Recurs every day

Monthly

RANGE OF RECURRENCE

From date 30-03-2022 Number of recurrences 1

End date 30-04-2022

OK Cancel

SCHEDULE

Start 31-03-2022 07:00 Morning shift

End 31-03-2022 15:00 Morning shift

RECURRENCE

Pattern 1 Daily

End date 29-04-2022 07:00

Execution window 1

Occurrences 31-3-2022 07:00 Morning shift - 31-3-2022 15:00 Morning shift;

ACTIONS

Change schedule Delete Back to logbook

- MY ULTIMO
- OPERATIONS
- TECHNICAL SERVICE
 - Equipment
 - Equipment
 - Equipment explorer
 - Plot plan
 - Copy equipment
 - Meters
 - Issue management
 - Process functions
 - Copy process functions
 - Exchange parts
 - Exchange part explorer
 - Department equipment explorer
 - Organisation explorer
 - Overview of unplanned downtime
 - Activities
 - Schedule
 - Financial
 - Contracts
 - PROPERTY
 - PROJECTS
 - PURCHASE
 - WAREHOUSE
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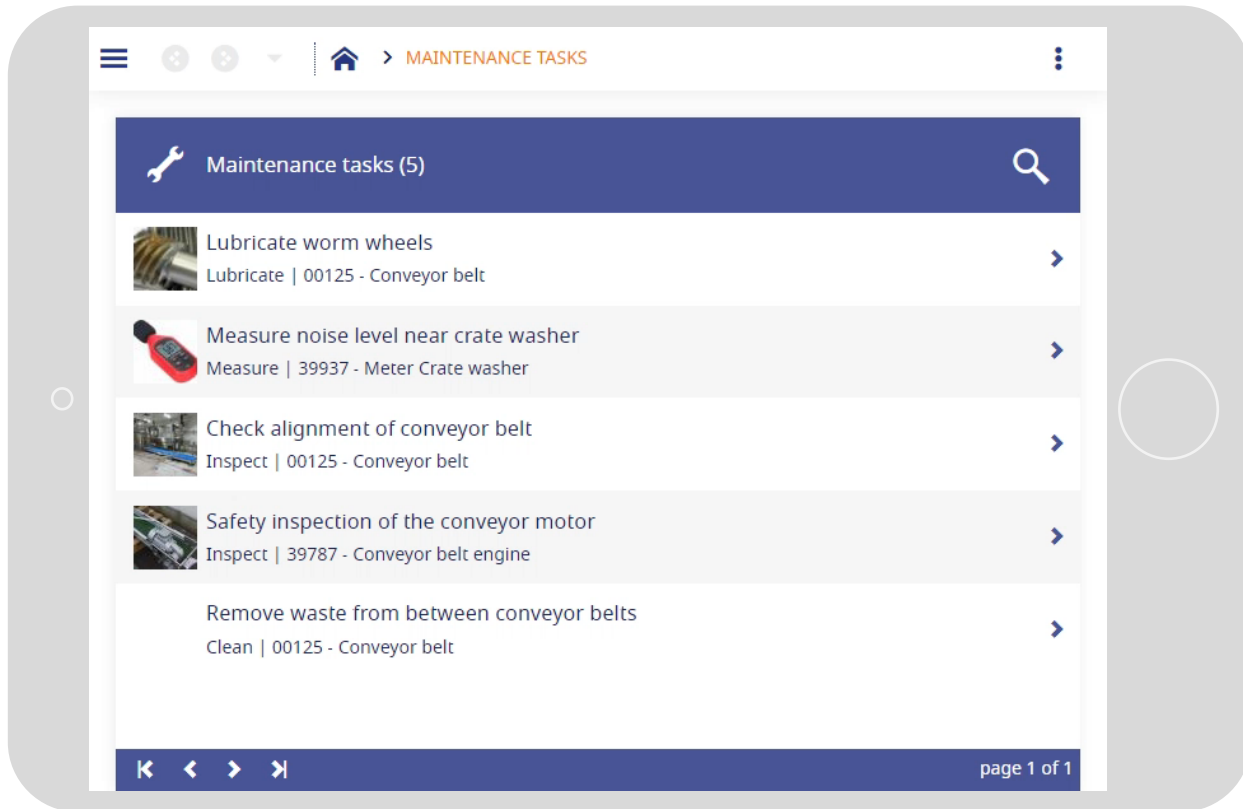
Process function: N.EXP.01 | Crate washer

DOCUMENTATION CAD COSTS INSTALLATION/REMOVAL HISTORY JOBS JOBS IN PROCESS STRUCTURE MEASUREMENTS METERS MAINTENANCE ROUTE MODIFICATIONS **MAINTENANCE TASKS** LOTO ENERGY METERS

	Description	Type	Recurrence	Execution window	Planned start date	Work period	P
View	Clean Pump 1	Clean	1 Daily		1 31-03-2022 07:00	Morning shift	31-
View	Lubricate worm wheels	Lubricate	1 Daily		1 31-03-2022 07:00	Morning shift	31-
View	Check alignment of conveyor belt	Inspect	1 Daily		1 31-03-2022 07:00	Morning shift	31-
View	Remove waste from between conveyor belts	Clean	1 Weekly		1 04-04-2022 07:00	Morning shift	04-



HOW DO WE KEEP IT
UP TO DATE
AND ALIVE?



OVERDUE MAINTENANCE TASKS

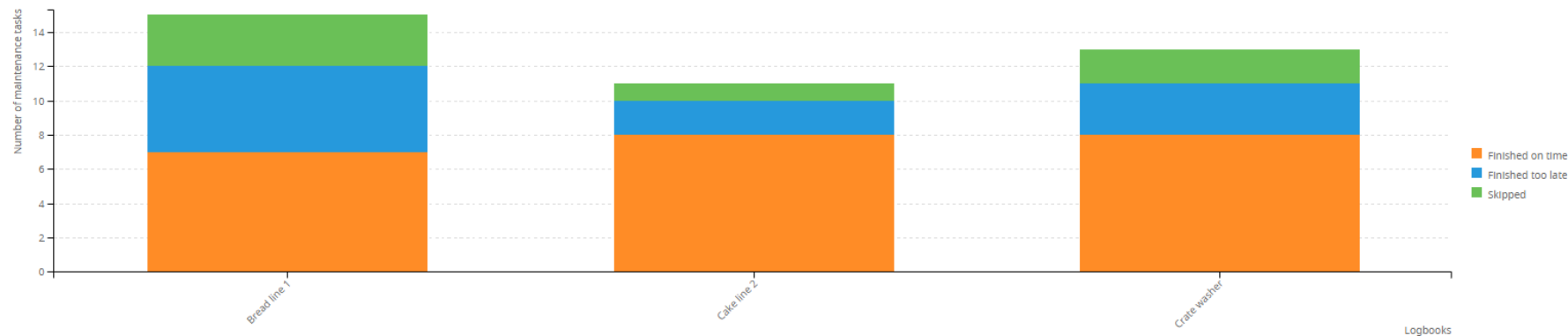
Unprocessed maintenance tasks with planned end date in the past

Logbook	Description	Planned finish date	Type	Process function code	Description	Equipment code	Description
Crate washer	Check alignment of conveyor belt	30-03-2022 07:00	Inspect	N.EXP.01	Crate washer	00125	Conveyor belt
Crate washer	Safety inspection of the conveyor motor	30-03-2022 07:00	Inspect			39787	Conveyor belt engine
Crate washer	Remove waste from between conveyor belts	30-03-2022 07:00	Clean	N.EXP.01	Crate washer	00125	Conveyor belt

number 3

MAINTENANCE TASKS PER LOGBOOK

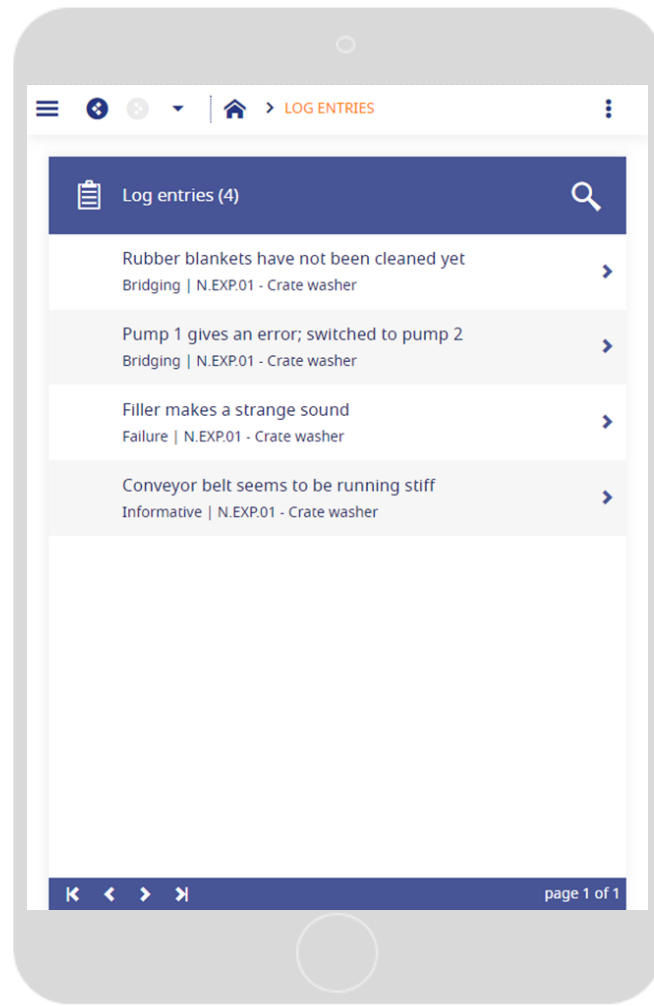
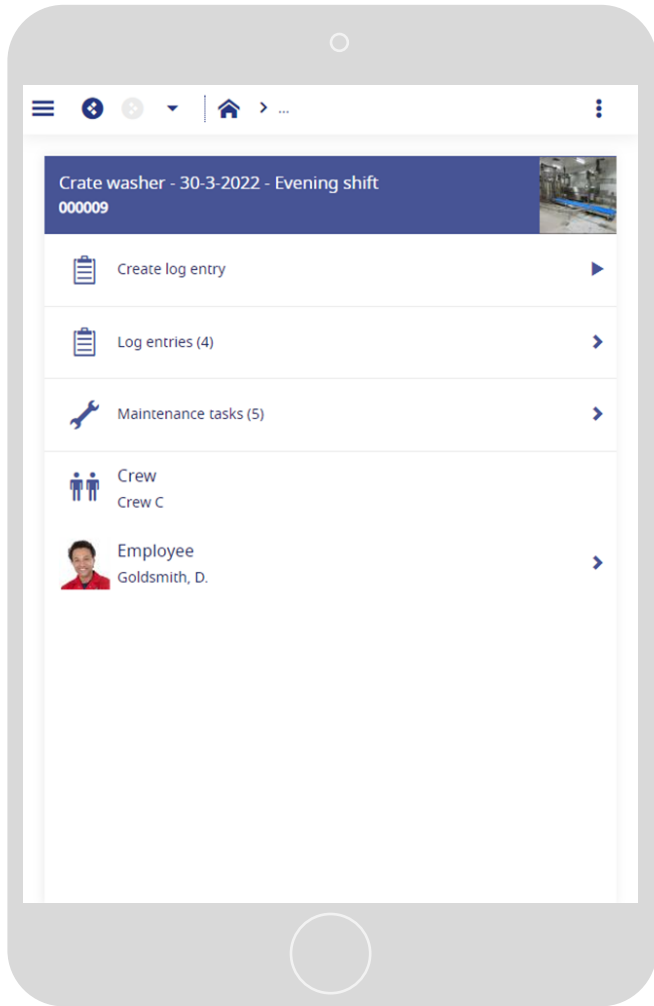
Maintenance tasks completed in the past 7 days



Logbooks

IN PROGRESS...

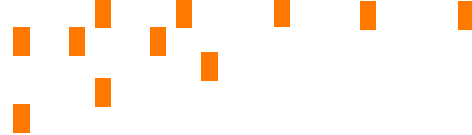




POWER BI DASHBOARD

- Do we manage to carry out autonomous maintenance tasks (on time)?
- Which tasks are most often skipped or completed late?
- Why are these tasks skipped?
- Startpage chart: # days since last unplanned downtime





SUMMARY

- Key Challenges to Uptime include recruitment and communication between teams.
- Autonomous Maintenance offers a transfer of maintenance tasks
- Time freed up for Technicians to work on high level jobs
- By product of reducing the urgency of recruitment.



Will Batchellor

UK Account Manager

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Thank you for listening