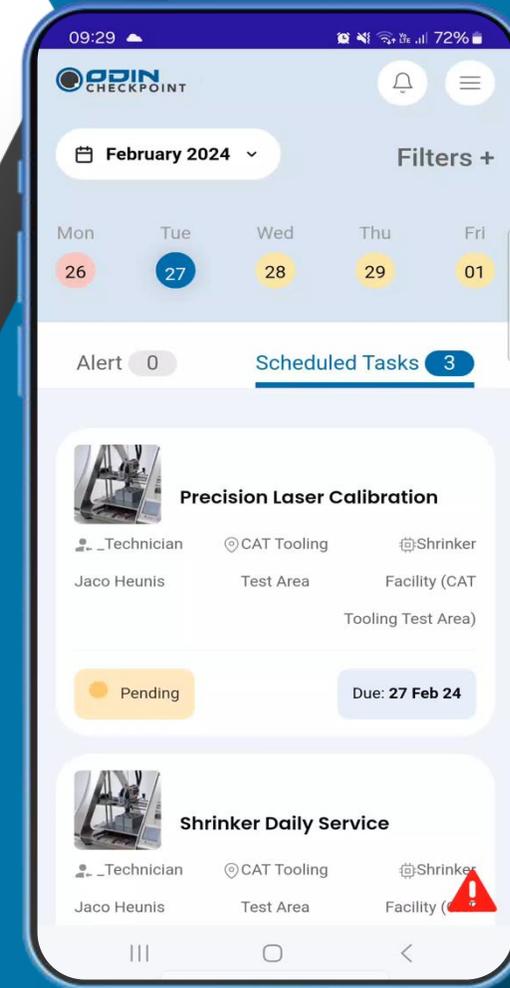


SMALL TASKS, BIG IMPACT — MANAGED DIGITALLY.

Many operations **struggle to plan and execute** critical tasks, such as:

Preventative maintenance,
Safety audits,
Quality inspections and
Unplanned events, e.g. Breakdowns and Safety incidents

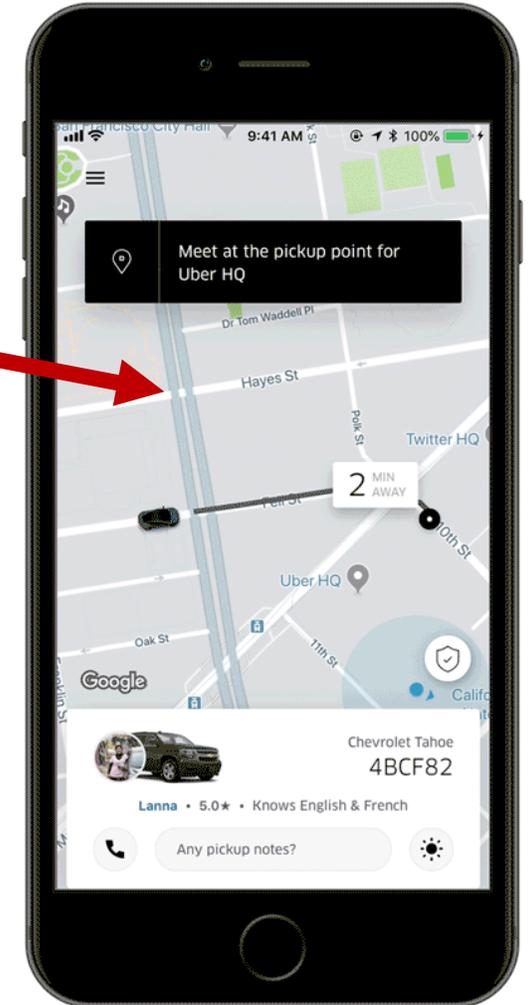
ODIN Checkpoint ensures teams plan, communicate, and execute these and other critical tasks efficiently, keeping operations safe, timely, and profitable





LIVE Visibility
Reduces
UNCERTAINLY
makes us happier

Ref: Rory Sutherland



“Beware of little expenses; a small leak will sink a great ship.”

— Benjamin Franklin



Failed to perform regular verification and calibration of a critical tightening tool. 13,000 bolts under-torqued

→ **Massive recall**



Safety Inspector closed Hospital due to kitchen failing to perform fire extinguisher inspection timeously.

→ **Hospital closure**



Missed daily cleaning resulting in excessive wear of a machine shaft

→ **\$1.26M downtime**



Regardless of what industry you're in...



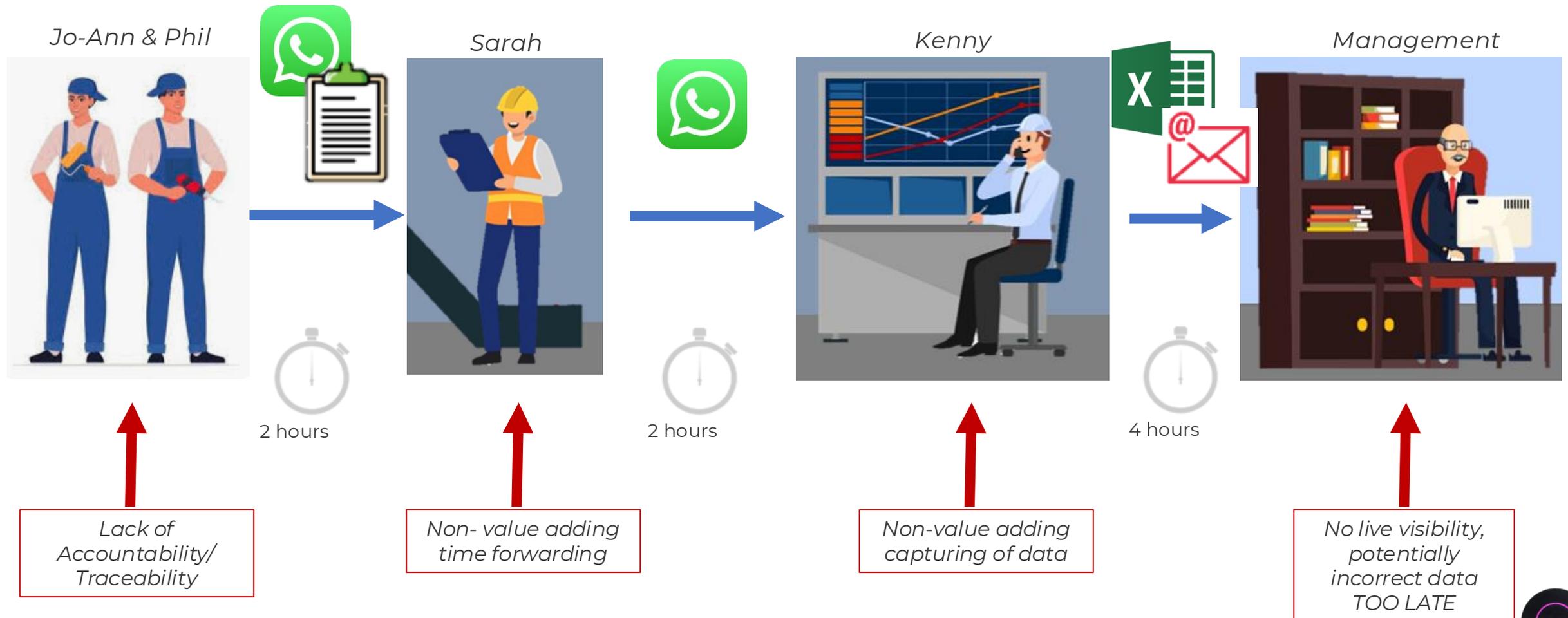
EVERYONE has:

Tasks that need to be ***carried out*** and **audited.**



What's the problem?

“Last Mile” tasks are manual and paper-driven





Digital does not always mean Efficient

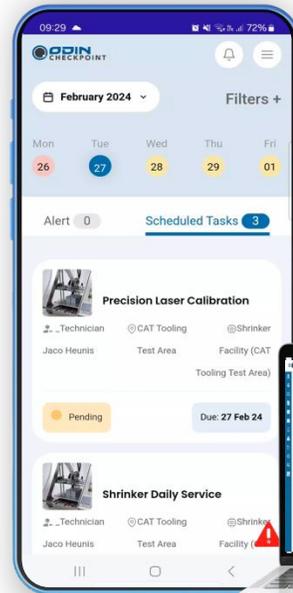
Just because a digital message
was sent doesn't mean the job
will get done!



PAPERLESS PRODUCTIVITY



Task App



Planning and Reporting
Web App

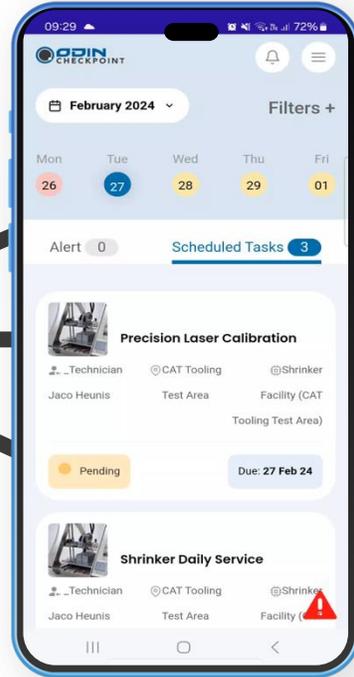


Vibration, Current & Temperature
Condition Monitoring





Jo-Ann & Phil



Sarah



Kenny



Management

Everyone has access to the same information, and accountability is clear – **so the job gets done!**



HOW TO START YOUR ~~DIGITAL~~ ^{Human} TRANSFORM JOURNEY?

Organisations understand the need for digital transformation to stay competitive but often struggle with **where and how to begin**.

Before launching a shop-floor digital transformation, it is crucial to recognise the **effort needed** to get the **people** in your organisation to **adopt the new approach**. This **effort** is frequently **underestimated** and is a common reason digital transformation projects **fail**.

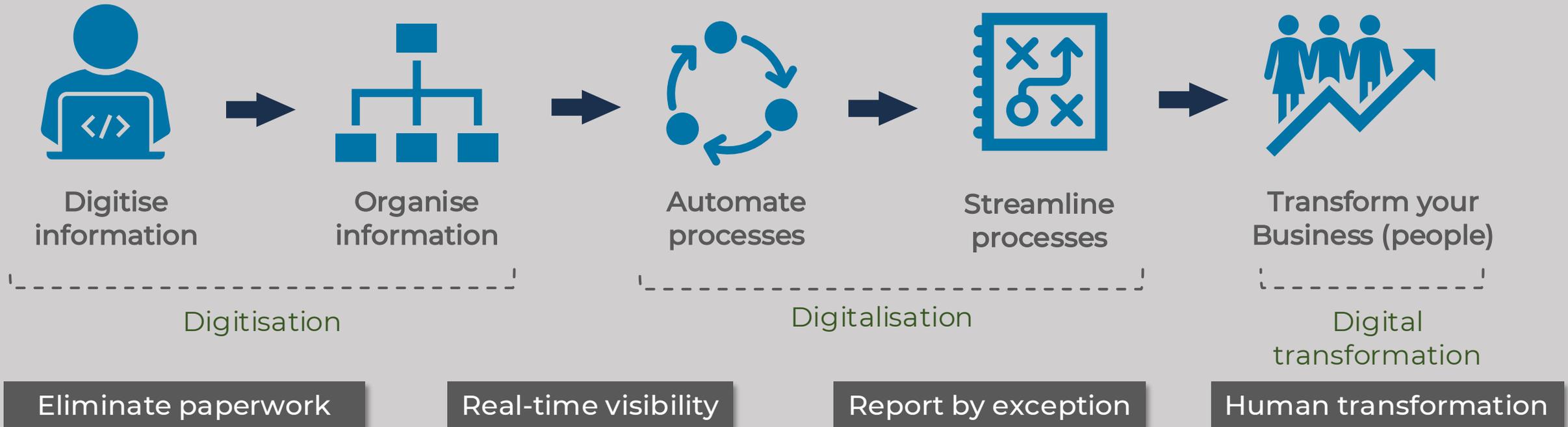
Understanding this can prevent wasted time and resources if your organisation isn't ready for large-scale change.

START SMALL → **ADOPTION** → **PROVE VALUE** → **SCALE**

ODIN Checkpoint provides a simple cost-effective way to start your **HUMAN** transformation journey



HOW TO START YOUR ~~DIGITAL~~ ^{Human} TRANSFORM JOURNEY?



Start with a **SIMPLE** use case and go all the way to **Human Transformation**



MODERN & SCALABLE ARCHITECTURE

Start with a **single asset** and scale as you need



Task App

WhatsApp

ODIN CHECKPOINT Cloud

ODIN RAVEN

Planning and Reporting
Web App

Vibration, Current & Temperature
Condition Monitoring

ODIN Checkpoint provides a simple, cost-effective way to start your **DIGITAL & PEOPLE** transformation journey



YOUR ALL-IN-ONE GET IT DONE PLATFORM

Task Management App

Documentation

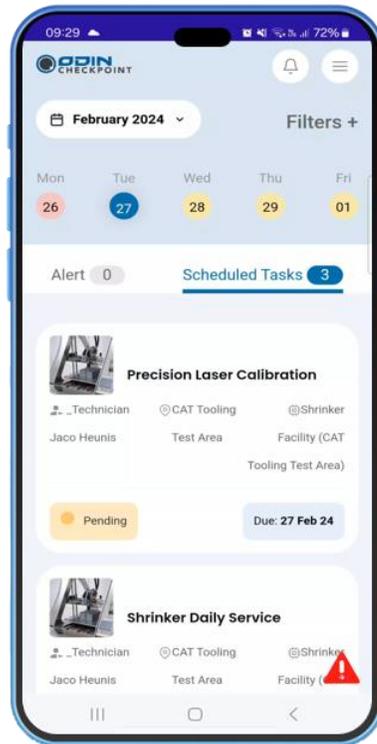
Faster Access to critical documentation via QR code scan

Dashboards and Notifications

Effective dashboarding, reporting, notifications and WhatsApp integration

Rapid records

Faster recording of ad hoc production measurements for more effective root cause analysis



Scheduled Task

Paperless task management, including video SOPs for on-the-job training

Schedule tasks based on asset run time

Unplanned Events

Efficient execution and communication and of unplanned tasks e.g breakdowns, safety, quality

Automatically Alert based on Anomalies and asset health

Production Tracking

Digitise manual recording of production output

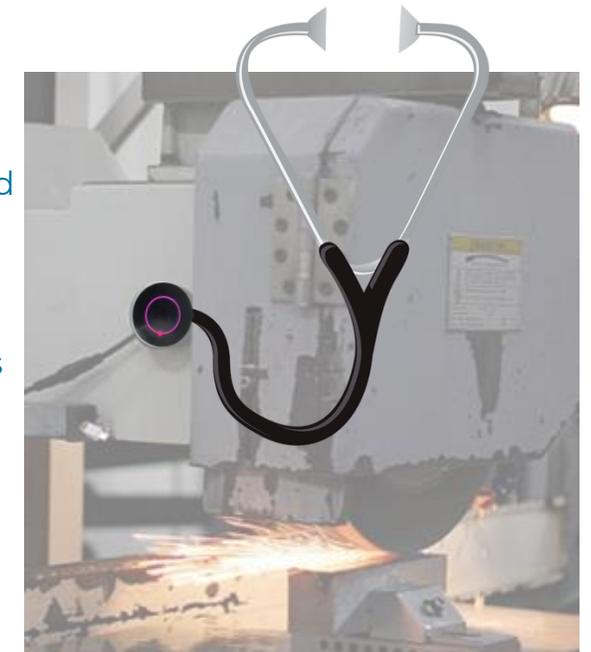
Machine Cycle counts.



2min overview



Vibration Condition Monitoring





7 COMMON CHALLENGES IN MAINTENANCE, QUALITY AND SAFETY MANAGEMENT

ARE THESE CHALLENGES AFFECTING YOUR OPERATIONS?

- 1. Inconsistent execution of tasks
- 2. Lack of accountability
- 3. Difficulty in tracking and verifying the status of critical tasks.
- 4. Overreliance on manual paper-based processes
- 5. Ineffective management of unplanned incidents – breakdowns, quality or safety
- 6. Lack of skills and/or documentation to adequately perform tasks
- 7. No visibility across the organisation on the live status task compliance

Task Management

Assigning work to technicians



Work Order

Company Name:		Work Order #:	
Street Address:		Work Order Date:	
City, State, Zip:		Priority Level:	
Phone:		Requested By:	
Website:		Customer ID:	
Work Assigned To:		Department:	

Work Expected To Start:	Work Expected To Finish:	Work Completed By:

JOB	BILL TO	SHIP TO (IF DIFFERENT)
[Describe Work]	[Name]	[Name]
	[Company]	[Company]
	[Street Address]	[Street Address]
	[City, State, Zip]	[City, State, Zip]
	[Phone]	[Phone]

LABOR	Hours	Rate	Line Total
Description of Work			
Frame	10	\$10/hour	\$100
Electrical	5	\$20/Hour	\$100



Scheduling chaos and double bookings

Lost communication over WhatsApp/phone

Lack of accountability/transparency



Task Management Feedback from technicians



No visibility of staff in the field

Inconsistent quality & disputes

Admin Overload: Double/ Triple capturing of the same data

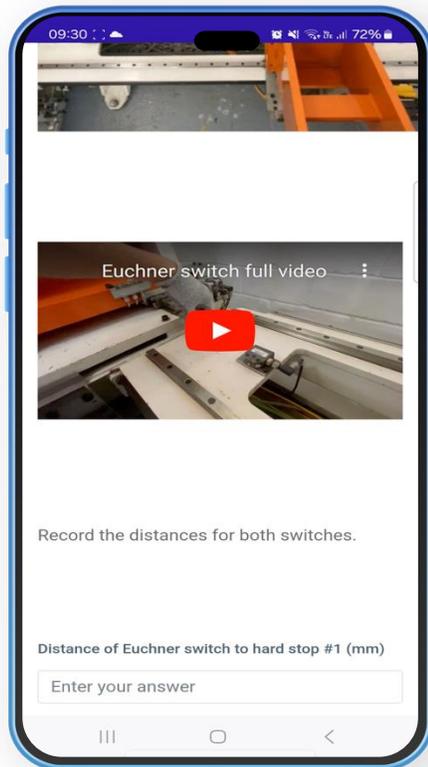


Scheduled Tasks

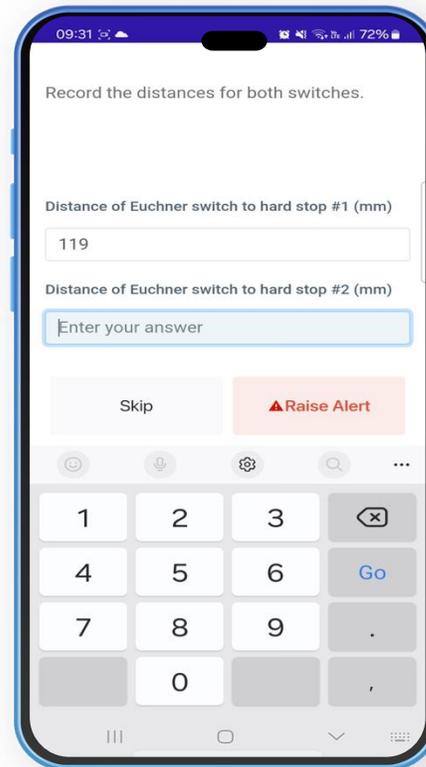
A more effective way to digitise **all** your scheduled tasks, including maintenance, safety, equipment verifications and many others.

The scheduled task feature in ODIN Checkpoint ensures clear assignment of responsibilities and provides rich training content, like videos and images, for on-the-job guidance. Additionally, it records critical measures and validates them within the app, alerting the necessary personnel if values are out of range.

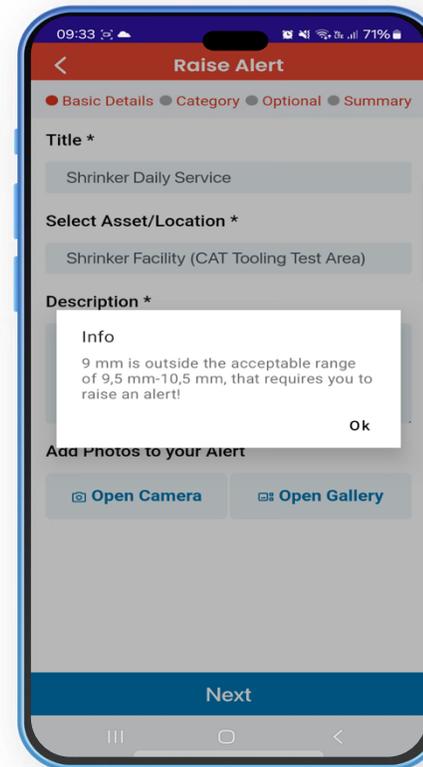
Initiative guidance Images, videos



Recording critical measurements



Managing unplanned incidents



Each task is **assigned and communicated** to the relevant person. This ensures accountability, transparency and compliance.

Offline functionality for uninterrupted operation.



Scheduled Tasks

A MORE EFFECTIVE WAY TO DIGITISE ALL YOUR SCHEDULED TASKS

The scheduled task feature in ODIN Checkpoint ensures clear assignment of responsibilities and provides rich training content, like videos and images, for on-the-job guidance. Additionally, it records critical measures and validates them within the app, alerting the necessary personnel if values are out of range.

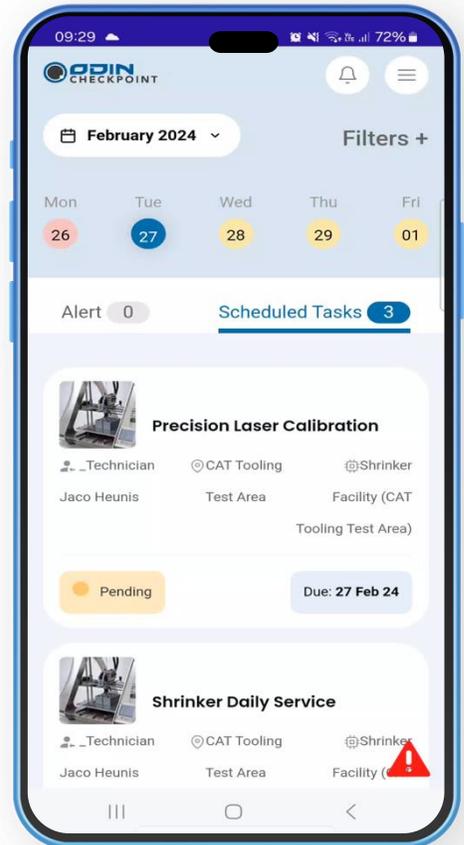
*No more
Clipboard
and Paper*

PREVENTIVE MAINTENANCE CHECKLIST

Customer Name: _____
Unit #: _____ PM: _____ Last PM: _____
Mechanic: _____ Date: _____
Next PM Due On: _____

Instructions: Write Initial in Appropriate Boxes Below

TASKS TO BE PERFORMED	Inspected Clay	Repaired & Adjusted	Greased & Lubed	Comments & Parts List
A. Engine				
1. Change oil and filter				
2. Change fuel lines and tank cap				
3. Check fuel filter (25,000 mi)				
4. Check air filter if needed				
5. Check spark plugs				
6. Check distributor cap & rotor				
7. Pressure test cooling system				
8. Check all hoses under pressure				
9. Check all belts & lens tensioners				
10. Check water pump and fan bearing				
11. Check complete exhaust system				
12. Check for engine oil leaks				
B. Under The Hood Fluid Levels				
1. Radiator: note strength				



Initiative guidance for Technicians/Operators with video-based and image-rich SOPs.

Each task is **assigned and communicated** to the relevant person. This ensures accountability, transparency and compliance.

Recording and validation of critical measures within the app, with alerts for out-of-range values.

Offline functionality for uninterrupted operation.



Scheduled Tasks

A more effective way to digitise **all** your scheduled tasks, including maintenance, safety, equipment verifications and many others.

Hurco 1 Daily Checks Shift 1 (Precision Machine Shop : Hurco CNC Mill 1) | Christo van den Berg

Service Steps

SERVICE PROGRESS - 100%

✓ Check & Maintain ALL Lubricant Levels 1 of 1 steps complete	<p>Content Viewer</p> <p>Completion Summary</p> <table><thead><tr><th>Title</th><th>Duration (hh:mm:ss)</th></tr></thead><tbody><tr><td>Check & Maintain ALL Lubricant Levels</td><td>21sec</td></tr><tr><td>Check chiller coolant level</td><td>13sec</td></tr><tr><td>Check & Maintain Coolant Level</td><td>9sec</td></tr></tbody></table> <p>Labour Time : 43sec</p>	Title	Duration (hh:mm:ss)	Check & Maintain ALL Lubricant Levels	21sec	Check chiller coolant level	13sec	Check & Maintain Coolant Level	9sec
Title		Duration (hh:mm:ss)							
Check & Maintain ALL Lubricant Levels		21sec							
Check chiller coolant level		13sec							
Check & Maintain Coolant Level		9sec							
✓ Check & Maintain ALL Lubricant Levels									
✓ Check chiller coolant level 1 of 1 steps complete									
✓ Check chiller coolant level									
✓ Check & Maintain Coolant Level 1 of 1 steps complete									
✓ Check & Maintain Coolant Level									

CLOSE

Faster service & real-time updates

Reduced experience/skills required

Fewer disputes & more trust

Automated reminders

Reduced admin workload



Unplanned Events – ALERT SYSTEM

EFFICIENT MANAGEMENT OF Unplanned events WITH KANBAN

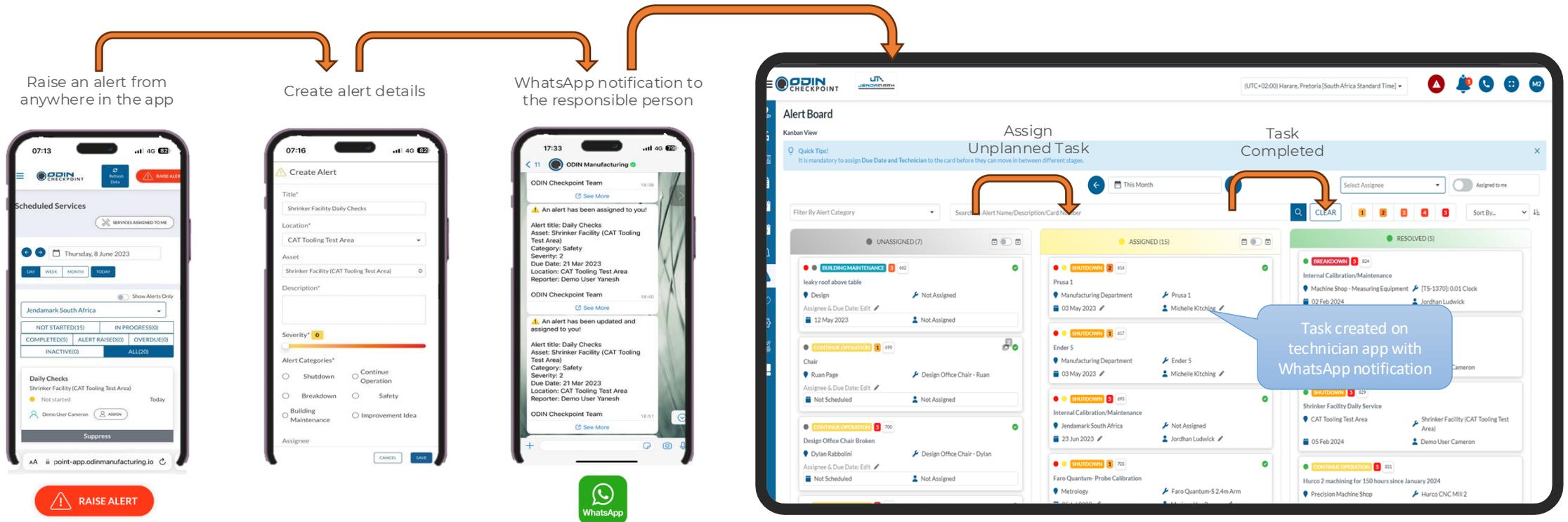
What's the value

A central place where all unplanned issues can be tracked

Alerts are recorded, and charts can be created to identify high-frequency issues and areas.

Preventative tasks can be created to ensure issues do not reoccur

CREATE → COMMUNICATE → PLAN → EXECUTE → TRACK



Unplanned Events – ALERT SYSTEM

EFFICIENTLY MANAGE **UNPLANNED EVENTS** FROM ANYWHERE, BY ANYONE AND FOR ANYTHING.



What is an alert?

Any unplanned event that needs to be resolved. E.g.

- Breakdown
- No parts at a station
- Safety issue
- Quality issue
- **Continuous Improvement ideas**



Who is this for?

Anyone that is allowed to bring attention to the issue

How to raise an ALERT



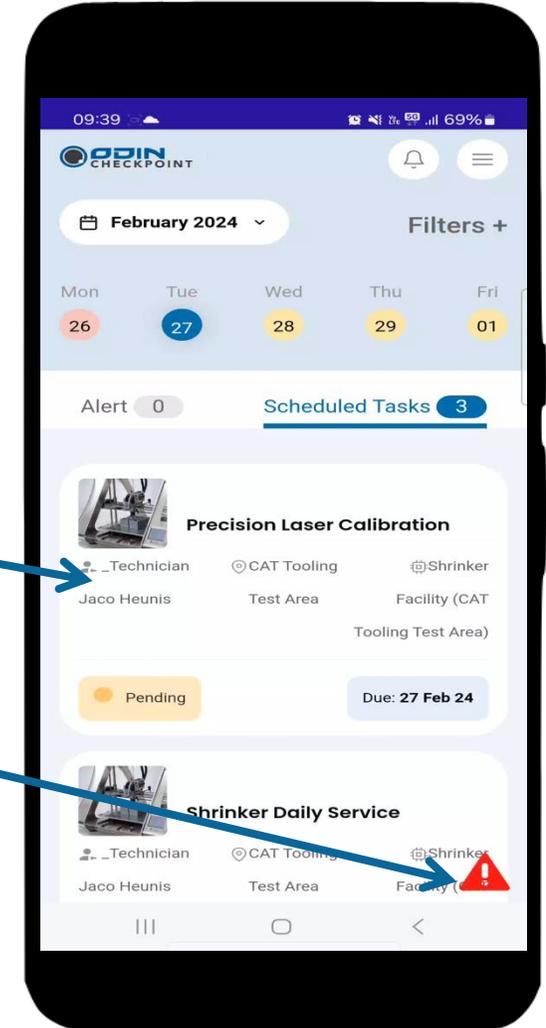
When the input of a **Scheduled Task** is outside of the set parameters.



Manually via the **Raise Alert button**.



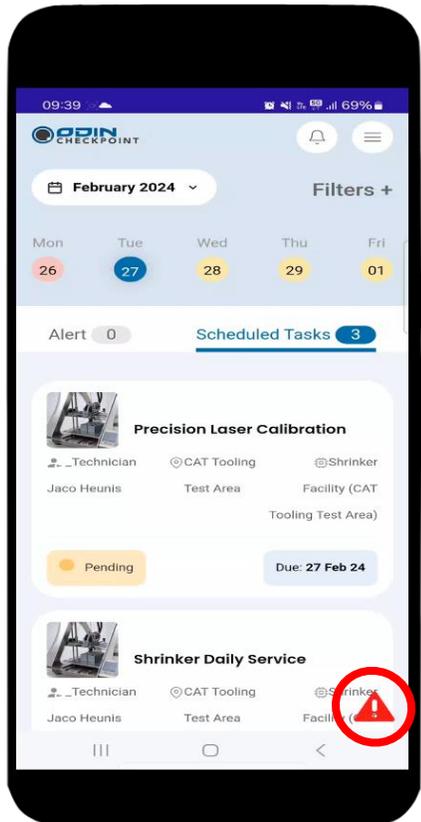
Automatically via **the Raven Sensor** when the vibrations of a machine are outside of a set parameter.



Unplanned Events – ALERT SYSTEM

EFFICIENTLY MANAGE **UNPLANNED EVENTS** FROM ANYWHERE, BY ANYONE AND FOR ANYTHING.

The alert system in ODIN Checkpoint enables users to create alerts for various issues, which can be managed through a three-stage Kanban system. Notifications are sent via WhatsApp and in-app messages, ensuring quick response and resolution.



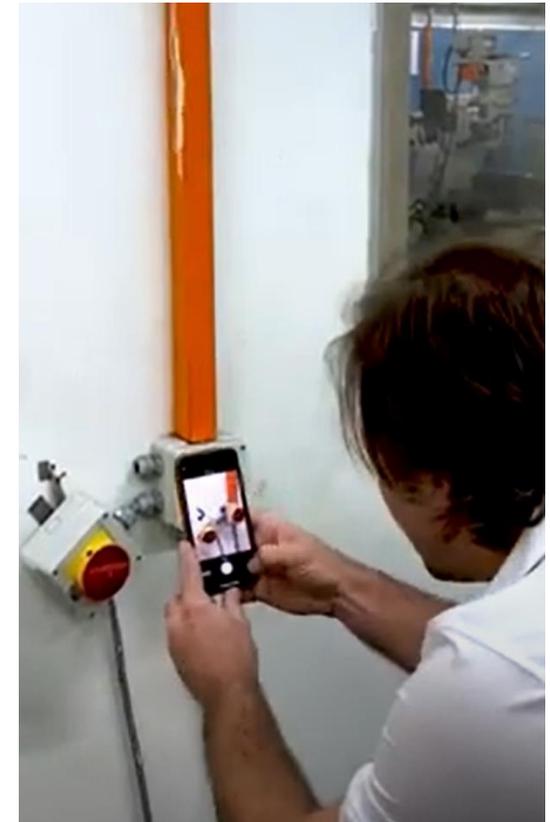
Faster reaction to planned incidents, e.g. breakdowns, safety incidents

Anyone can **Raise an alert**.

A centralised Kanban where unplanned incidents can be viewed, managed and tracked.

Streamlining communication ensures a faster response and better turnaround times.

Trend Analysis to Prevent Reoccurrence Issues



Production Tracking APP

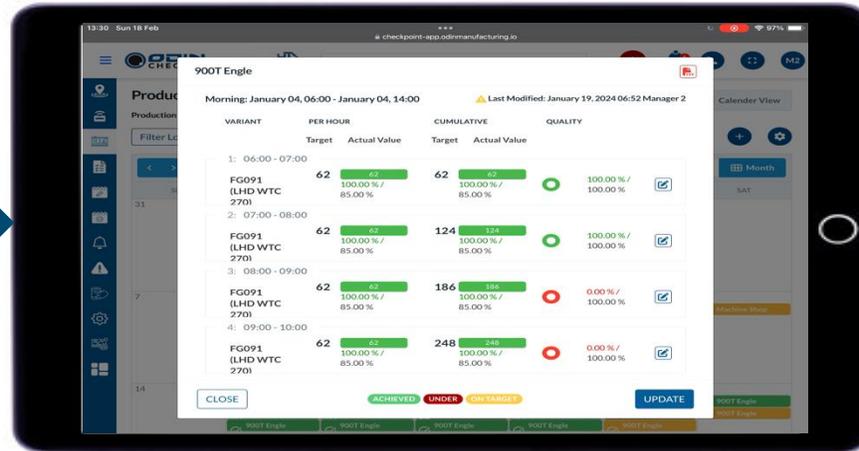
ARE YOU STILL USING PAPER OR A WHITEBOARD TO TRACK PRODUCTION?

The production tracking app transforms manual recording processes into a digital system, capturing hourly production output and enabling real-time visibility from anywhere. It bridges data gaps in factories with a straightforward, cloud-connected solution that enhances shop floor accountability.

Before



Record production data in app



After

**LIVE production reporting
Automated KPI reporting**



Live Production Performance



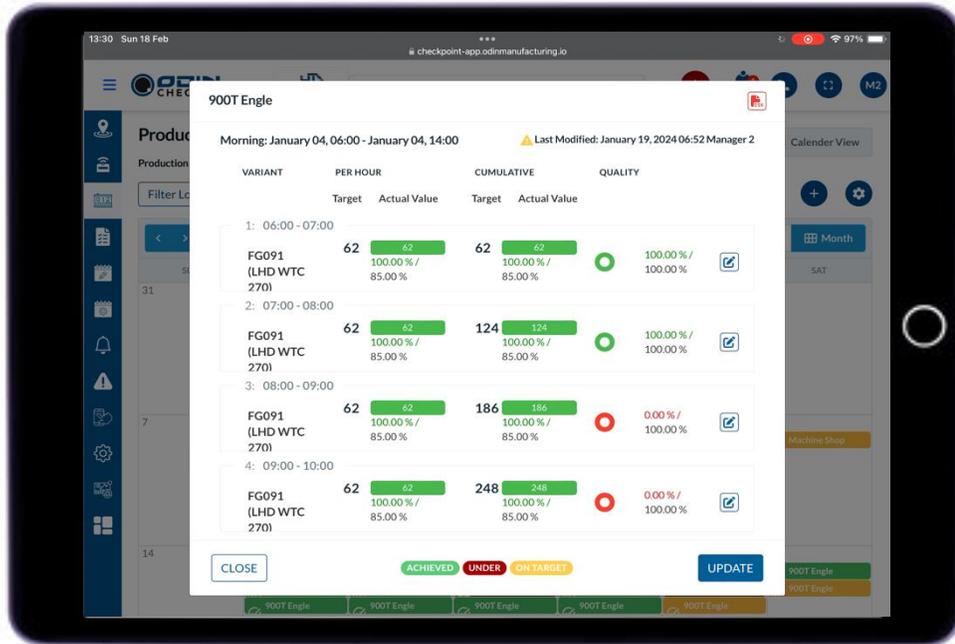
Access live production data from anywhere in the world



Production Tracking APP

ARE YOU STILL USING PAPER OR A WHITEBOARD TO TRACK PRODUCTION?

The production tracking app transforms manual recording processes into a digital system, capturing hourly production output and enabling real-time visibility from anywhere. It bridges data gaps in factories with a straightforward, cloud-connected solution that enhances shop floor accountability.



Replaces manual recording on whiteboards or paper with a digital system for hourly production output.

Tracks both good and bad parts, providing live visibility of production data from anywhere via the cloud.

Enhances accountability on the shop floor by allowing everyone from anywhere to monitor performance in real-time.

Addresses data gaps in advanced factories with a simple, non-invasive solution for recording production output.



Production Tracking APP

ACCESS TO PRODUCTION PERFORMANCE ANALYTICS FROM ANYWAY

Production Performance

Quality Performance

Underproduction reasons, Highest contributors

Trend analysis as percentage performance or units by variant, asset/production area

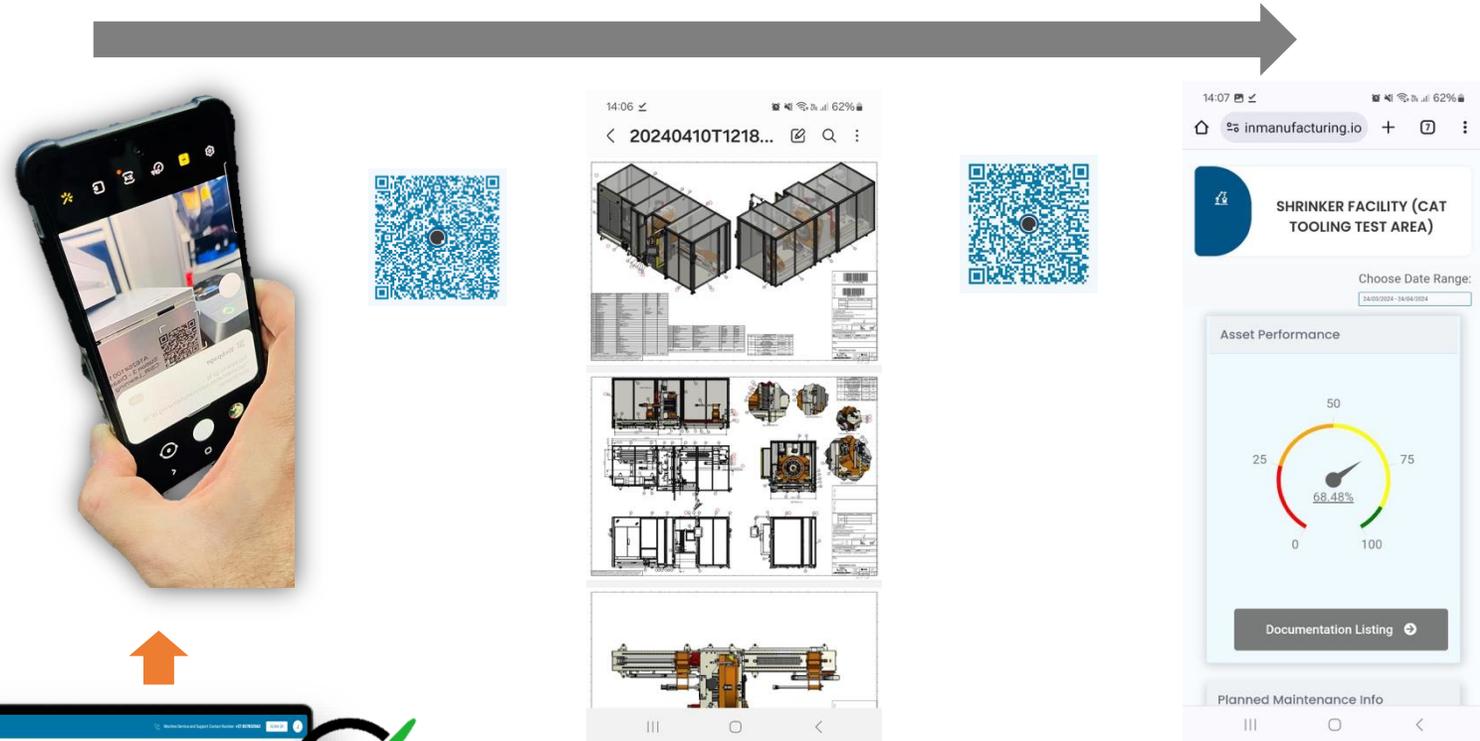
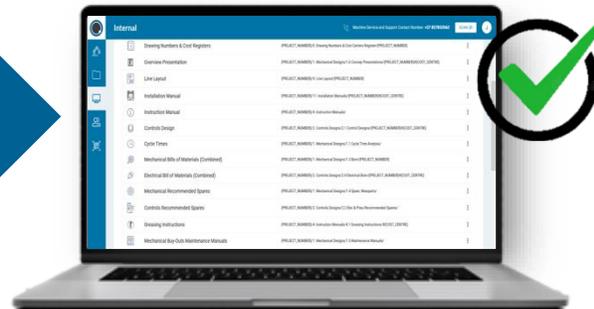
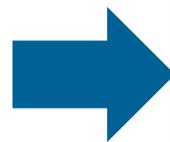


Documentation Portal

FASTER ACCESS TO CRITICAL DOCUMENTATION

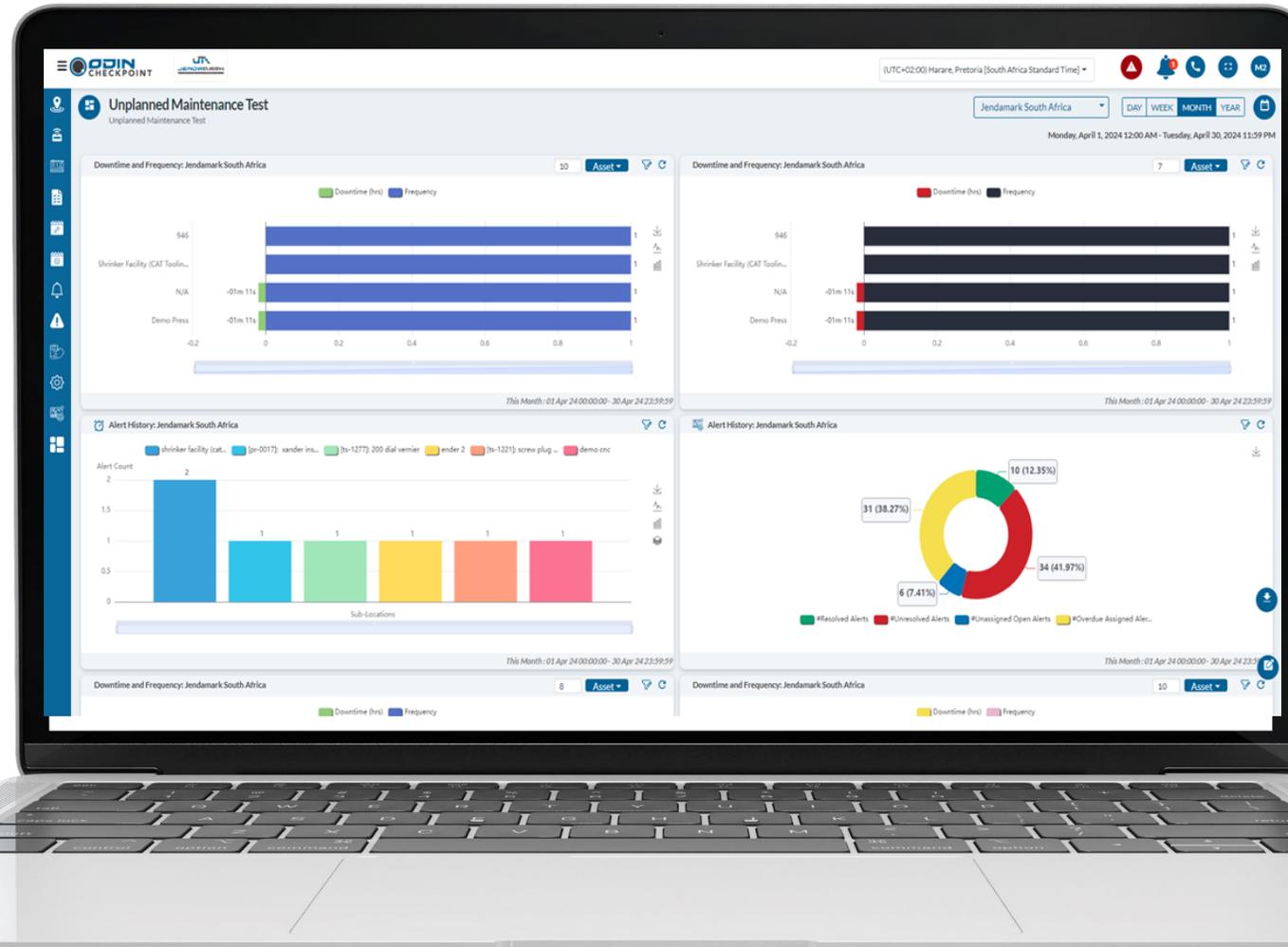
Maintaining a **well-organised documentation** library allows for **easy access to information** and aids health, safety and risk audits in ensuring all required documentation **is preserved and available** by simply scanning a QR code

Scan QR code on the asset to access critical documentation faster



Pass your audits with confidence and honesty. INSIGHTFUL & CUSTOMIZABLE REPORTING

Gain valuable insights into your facility operations through robust customizable reporting & analytics tools.



Track Key Performance metrics, identify trends, & make data-driven decisions.



RAPID RECORDS

VERSATILE DIGITAL TOOL DESIGNED FOR EFFICIENT ADHOC DATA CAPTURE

Rapid Records is an intuitive digital tool for quickly capturing and organizing various ad hoc data types. Whether working on machine parameters or quality measures, it allows smooth data entry and organization. Its intuitive design simplifies the process, enabling users to quickly and accurately collect and analyse data from anywhere.

Before

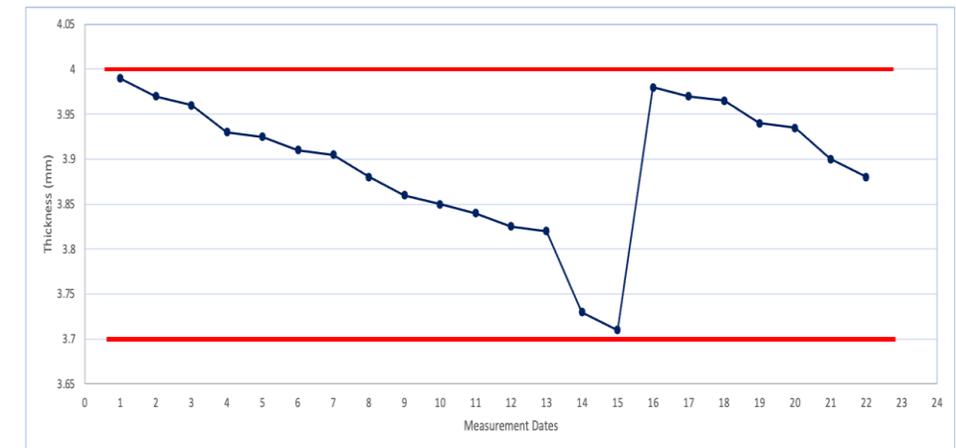


After

The image shows a smartphone screen displaying the 'Add New Rapid Record' form. The form has a 'Record Type' dropdown menu with the following options: Reading, Value, Text, Single Choice, and Multi Choice. The 'Reading' option is selected and highlighted in blue.

Flexibility
of data
capturing

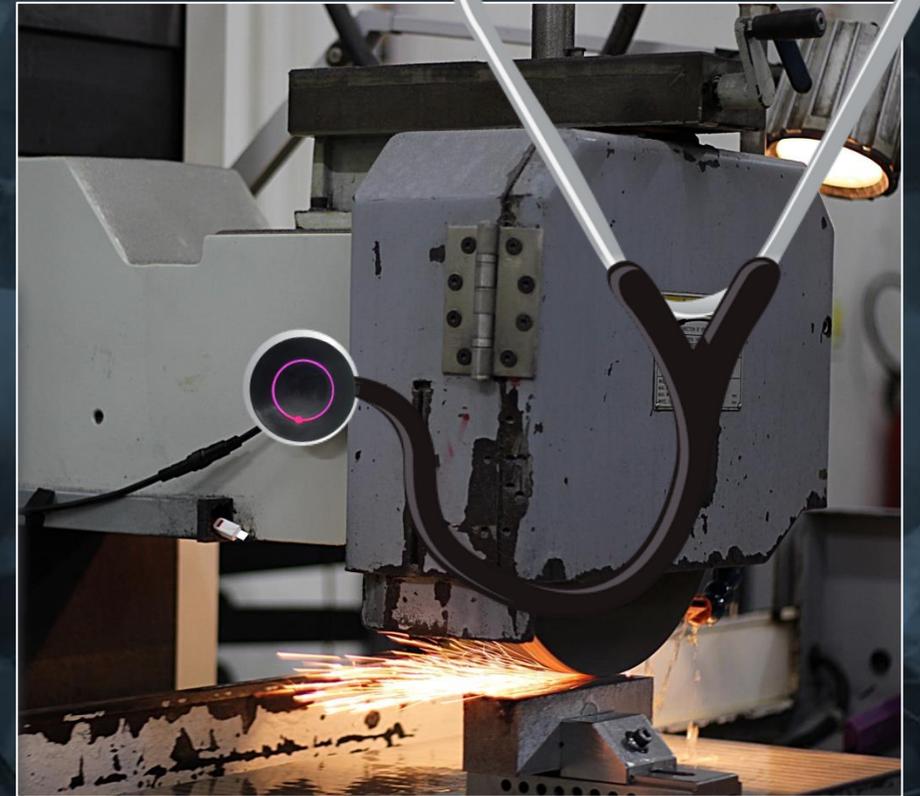
Auto Chart Generation





**YOUR MACHINE CAN TELL
YOU IF IT'S HEADING FOR
A BREAKDOWN.**

***You just need a listening
device.***



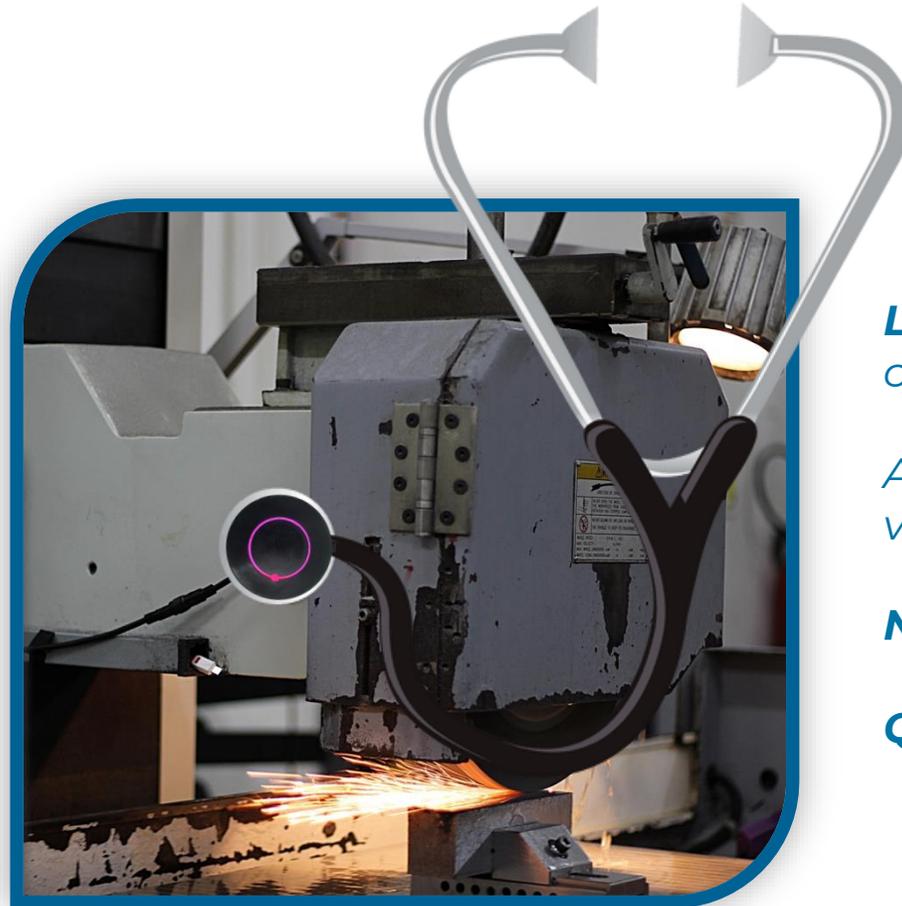
TECHNOLOGY INNOVATION OF THE YEAR



KNOW THE HEALTH AND PERFORMANCE OF YOUR ASSETS



**Smart
vibration
sensor with
ML**



Live utilisation of equipment and cycle count.



*Asset **Anomaly detection** through vibration monitoring.*



Non-invasive data capturing.

Quick and easy set-up



NON-INVASIVE MACHINE CYCLE COUNTING FROM VIBRATION DATA

Digitising a 45-year-old stamping press



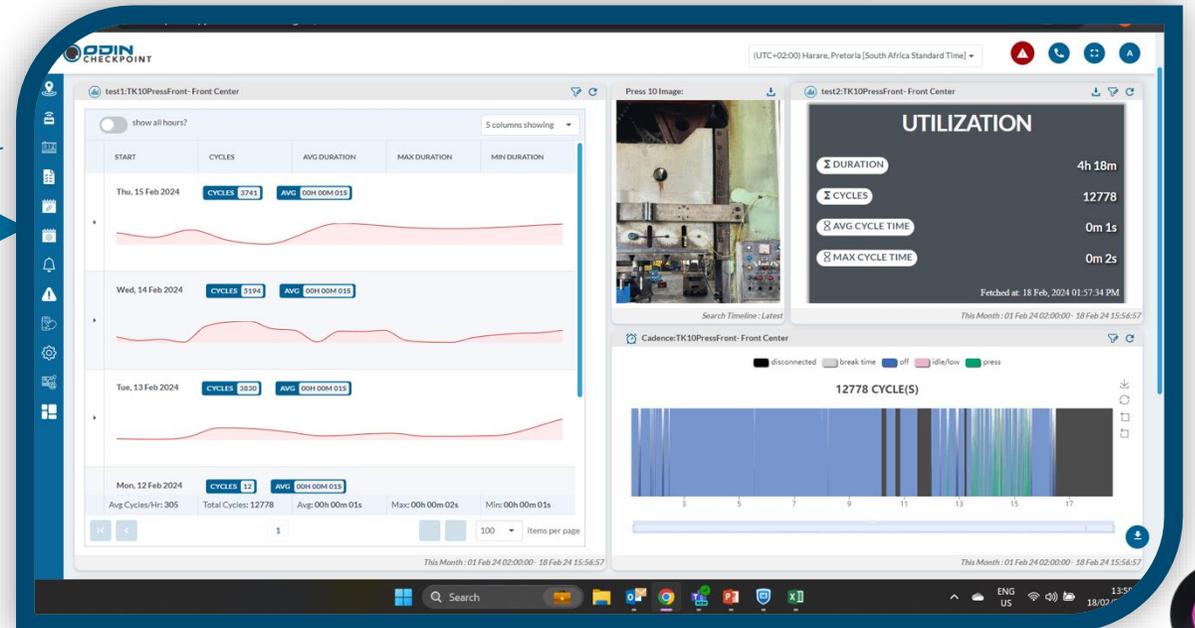
Before

Traditional method of recoding hourly production output

Output	Rework	Suspect
85	85	00 00
110	187	00 00
120	360	00 00
85	272	
120	450	
102	374	
80	560	
68	442	
120	680	
102	544	
85	629	
85	714	

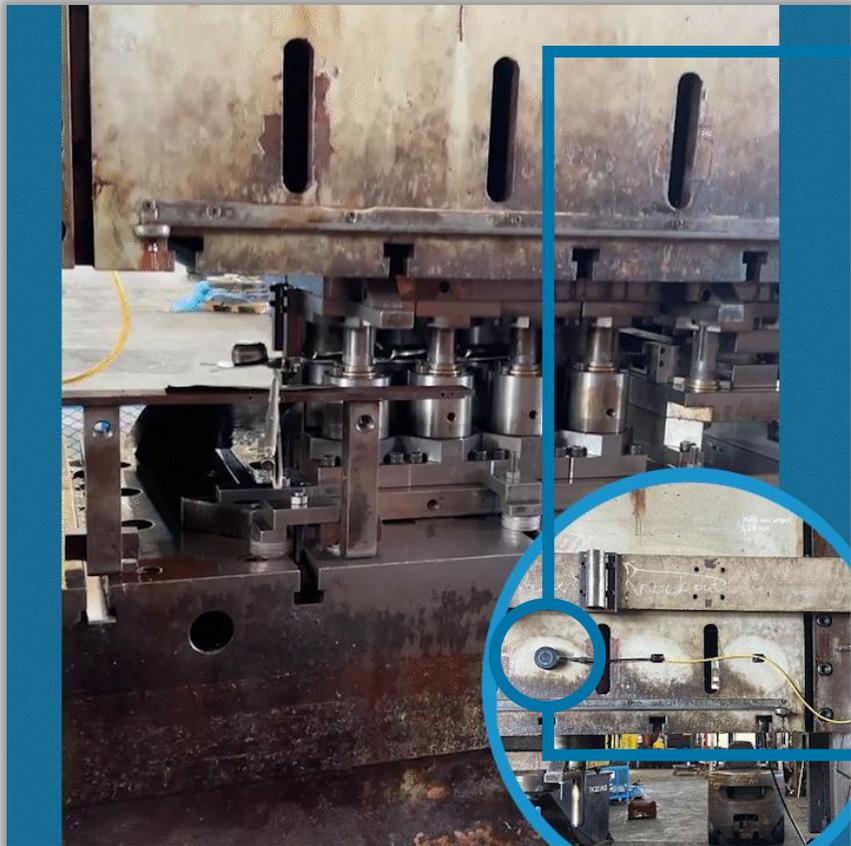
After

Vibration Sensor autonomously counts the number of cycles

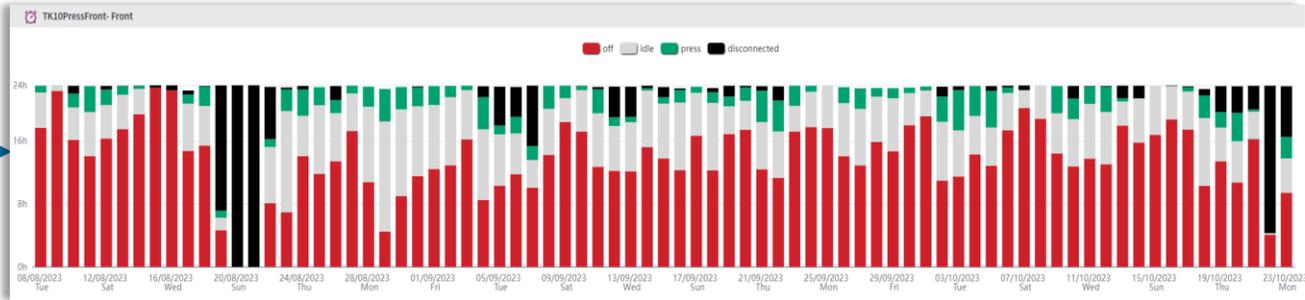


ASSET HEALTH AND UTILIZATION FROM VIBRATION DATA

Digitising a 45-year-old stamping press



Asset Utilization



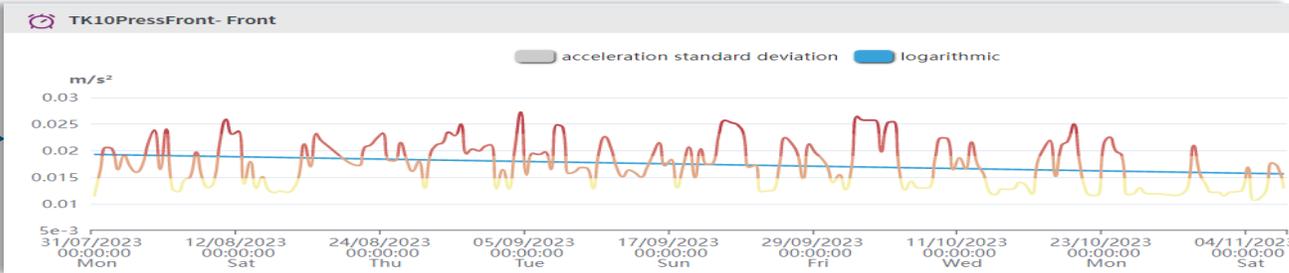
Who is this for

Production Management, Finance, forecasting and planning

What's the value?

Monitoring asset utilisation provides better insight into whether additional equipment is required. Shows the opportunities to improve asset utilisation

Asset Health



Who is this for?

Maintenance Teams

What's the value

Monitoring of machine health allows the maintenance to take a proactive approach to machine maintenance.

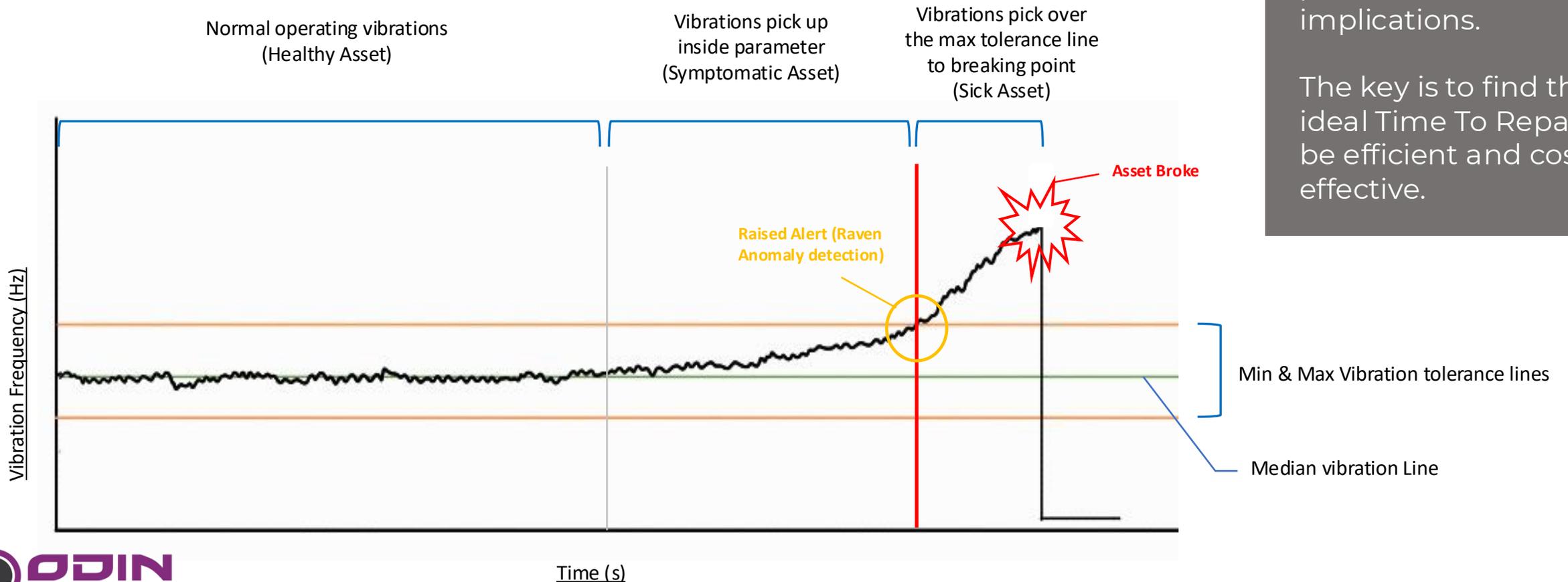


Machine vibration over a set period of time: Break Down Detection

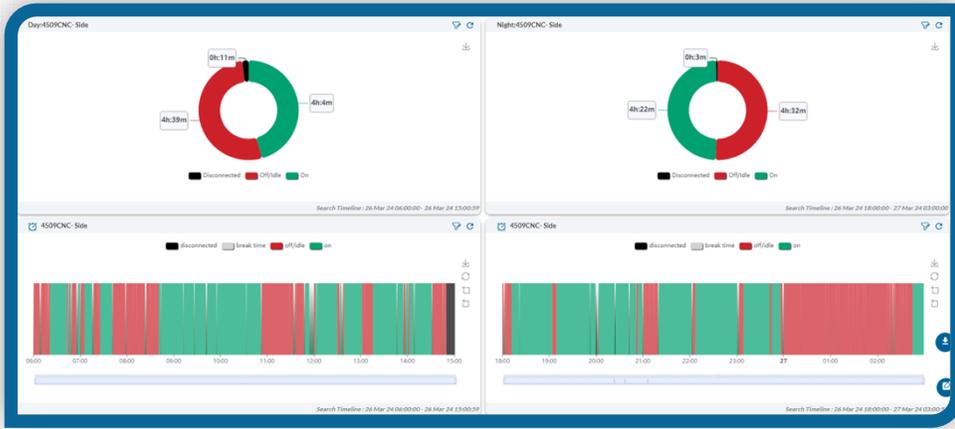
Indicated below is an graph that represents a Vibration Frequency vs Time graph of a production operating asset. The asset has three noticeable phases before the asset has total breakdown, Healthy, Symptomatic and Sick. The Healthy phase is when the vibration patterns is in an ideal state, Symptomatic is when the vibration patterns starts to rise but has not went over the max tolerance line. The Sick phase is when the vibration patterns has exceeded the max tolerance line and damage can be picked up.

Not being able to detect anomalies on your asset can lead to huge cost and production implications.

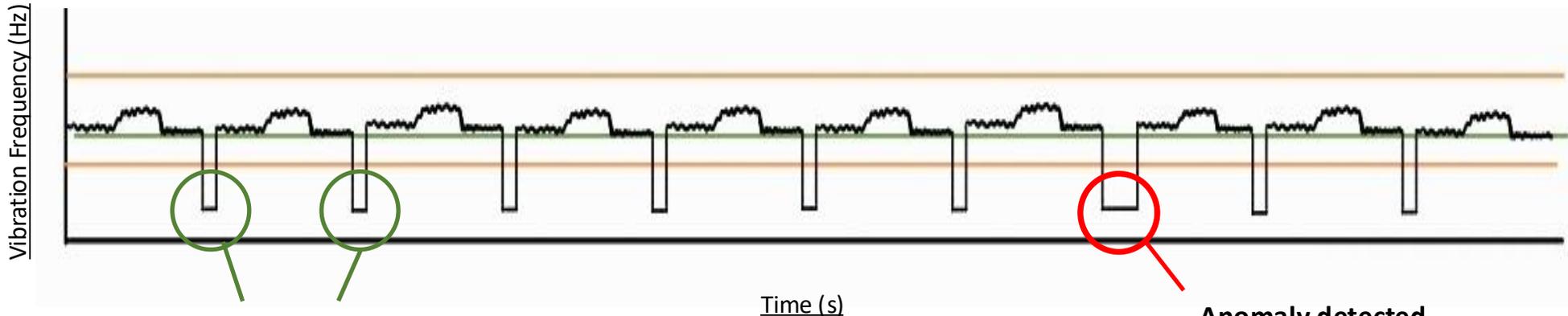
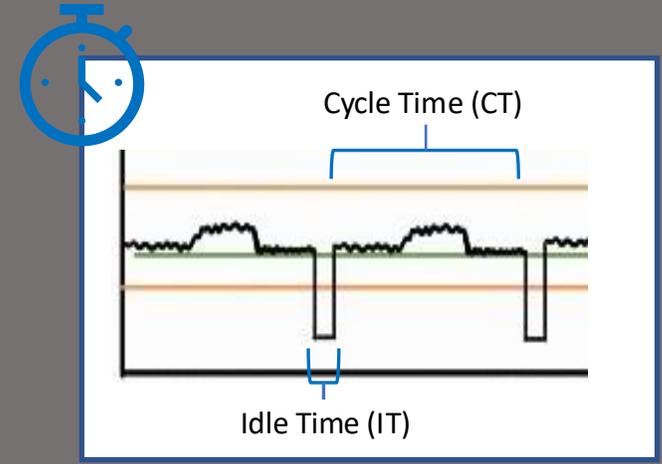
The key is to find the ideal Time To Repair to be efficient and cost effective.



Cycle Time: Anomaly Detection



The Raven device identifies and notifies when there is a change in pattern in your Cycle and idle time. Therefore giving you complete transparency on your assets activity and usage. (Utilisation)



Acceptable Idle Time.



Anomaly detected (Raised Alert)
Idle Time took longer than it was supposed to.
What is the reason?



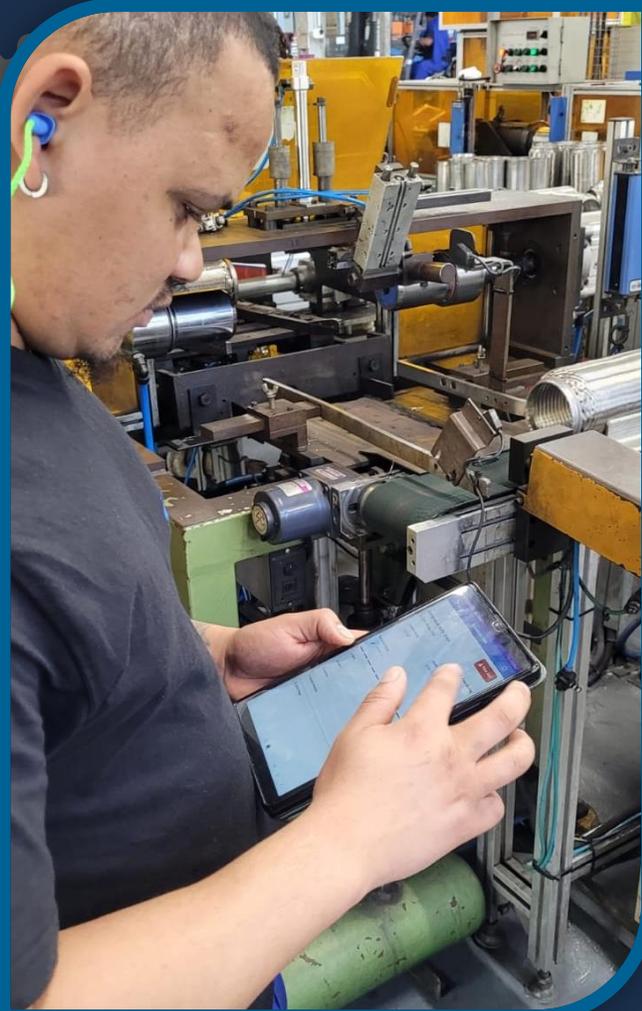


CASE STUDIES



SJM is a manufacturer of high-quality decoupling solutions for the automotive industry.

Going Paperless and being more productive



The Goal

The goal was to move away from the traditional paper-based task and maintenance management process and digitise all scheduled tasks, data collected from downtime and visibility of task status.



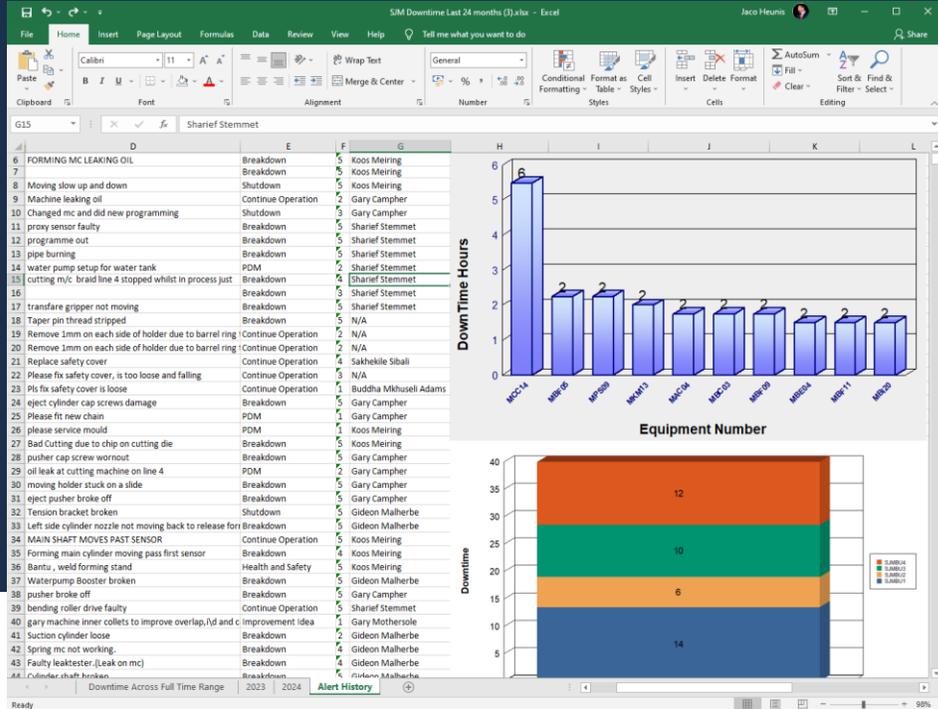
The Solution

Checkpoint quickly demonstrated its value, enabling maintenance technicians to manage their assigned tasks more effectively. They gained visibility into both completed tasks and those still needing attention. Additionally, the ability to schedule preventative maintenance helped them significantly reduce overall downtime.



Always Be AUDIT READY with Live Reporting

Live Maintenance Performance Dashboard



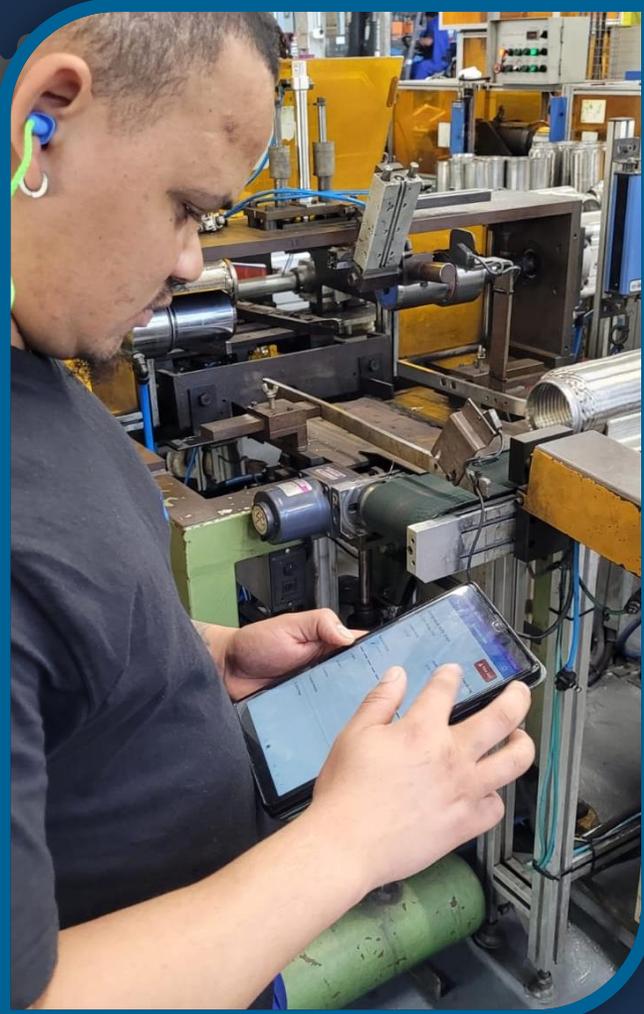
Manually compiled paper
and Excel reporting





SJM is a manufacturer of high-quality decoupling solutions for the automotive industry.

Return on Investment (ROI)



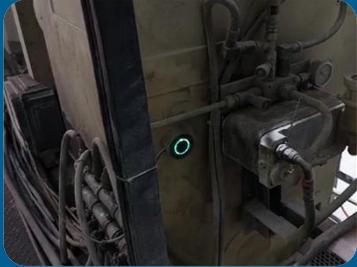
- **30%** reduction in **downtime**
- **92hrs/month** saved on administration
- **14%** boost in **productivity** for technicians and line leaders
- **80%** Faster access to **critical asset documentation**
- **90%** Reduction in **paper and printing**



Avoid Catastrophic Failures with Vibration Monitoring

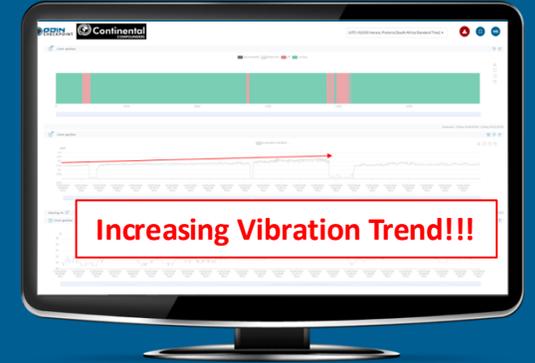


Continental Compounders, a leading South African plastic compounding specialist.



Avoided Catastrophic Asset Failure through **Anomaly Detection**
Outcomes:

- Without Raven: Catastrophic failure repair cost: \$20,000.
- With Raven: Early detection reduces repair costs to \$3,000.
- ROI: **\$17 000 saved in 1x occurrence**

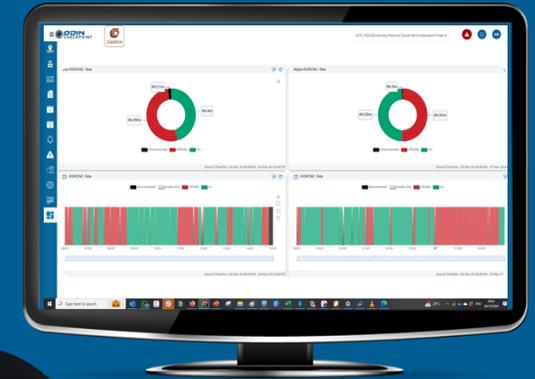


Copalcor is South Africa's largest manufacturer of copper, brass & alloy-based semi-finished products

Increase production output with live monitoring production **utilization and cycle time.**

Outcomes:

- Live utilization visibility pointed out nightshift inefficiencies
- ROI: **Increase from 8000 to 11 000 units per week**



ABOUT JENDAMARK - We have built 3000+ automotive assembly systems



Est. 1989 | 800 employees | 100+ Global Customers | Solutions delivered to 35+ Countries

4 Global Offices: South Africa (HQ) | India | Germany | USA | 2 Service & Support Partners: China | Mexico

3 Divisions: Automation | Digital Manufacturing | Digital Education



Odin Checkpoint fits in here

Turnkey Assembly lines

Design | Manufacture | Commission | Install

Powertrain, EV, Catalytic Converter, Auto Components



DIGITAL MANUFACTURING

ODIN MANUFACTURING

Digital solutions to enhance human efficiency and performance.



DIGITAL EDUCATION

ODIN EDUCATION

The AI learning solution to transform the educational landscape



Our Global Customers





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