



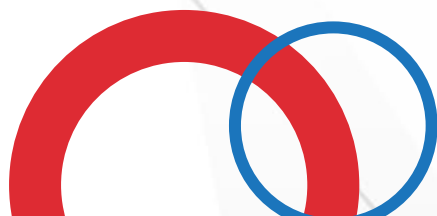
Quarterly Product Update

Elevate your game with On Key's latest features

Driving the evolution of
smarter asset management

13 February 2025

ON KEY asset management | switched on



verdantix

Green Quadrant
Enterprise Asset
Management Software

Leader

2024 ✕



eams



connect



action



insights



integrate

Agenda

- ▶ Team introduction
- ▶ Product suite overview
- ▶ Core EAM (Plus)
- ▶ Specialised apps (Action)
- ▶ IoT connectivity (Connect)
- ▶ Integrations (Integrate)
- ▶ Sector specific solutions
- ▶ Machine learning and artificial intelligence



On Key Product Owners



Stefan Swanepoel
Head of Product
Development



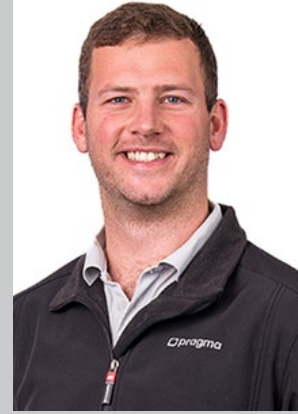
Juan Vermeulen
On Key EAMS



Mauritz Zastron
On Key Insights
and Action



Darren White
On Key Connect

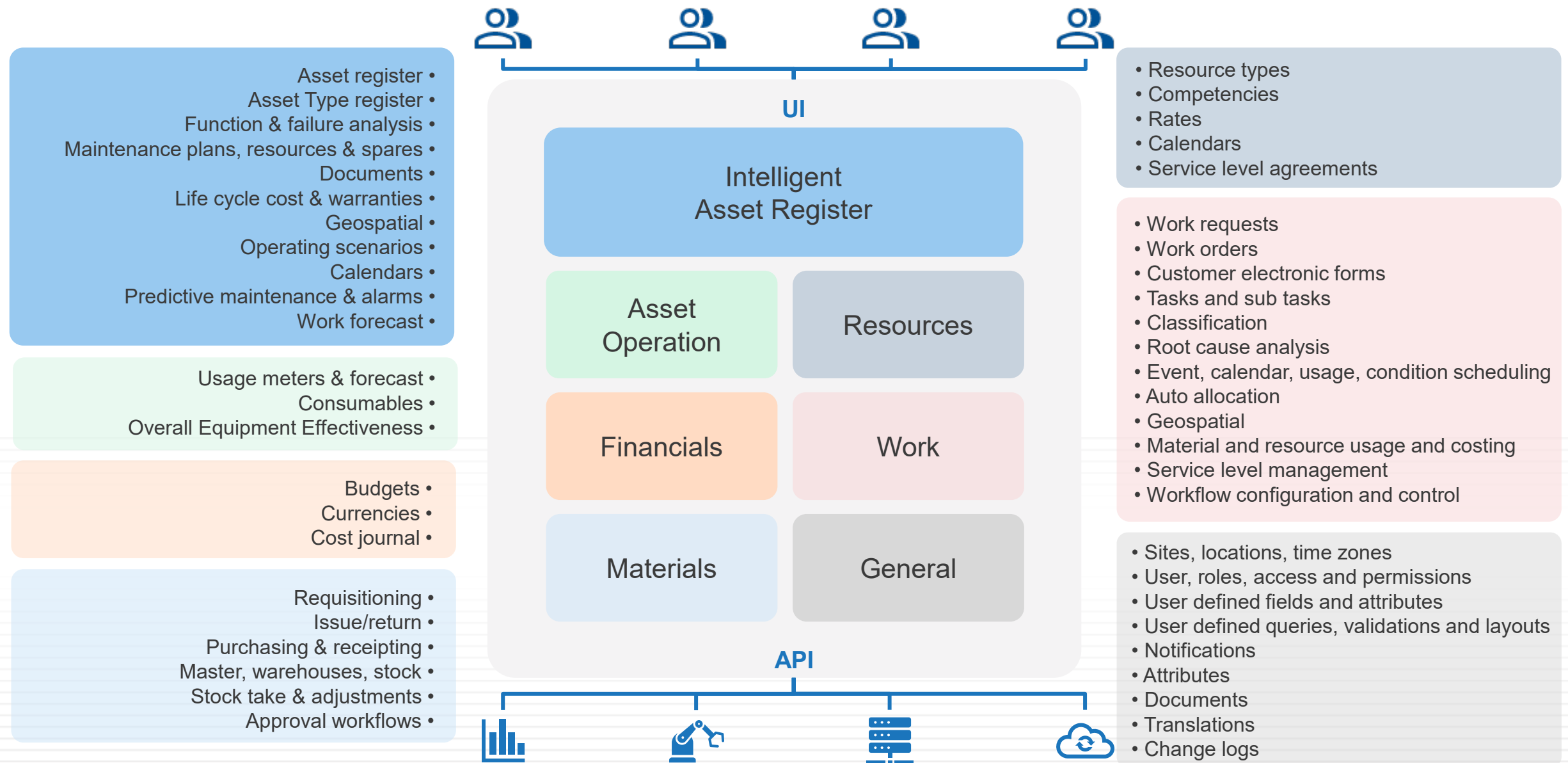


JP de Koker
On Key Integrate

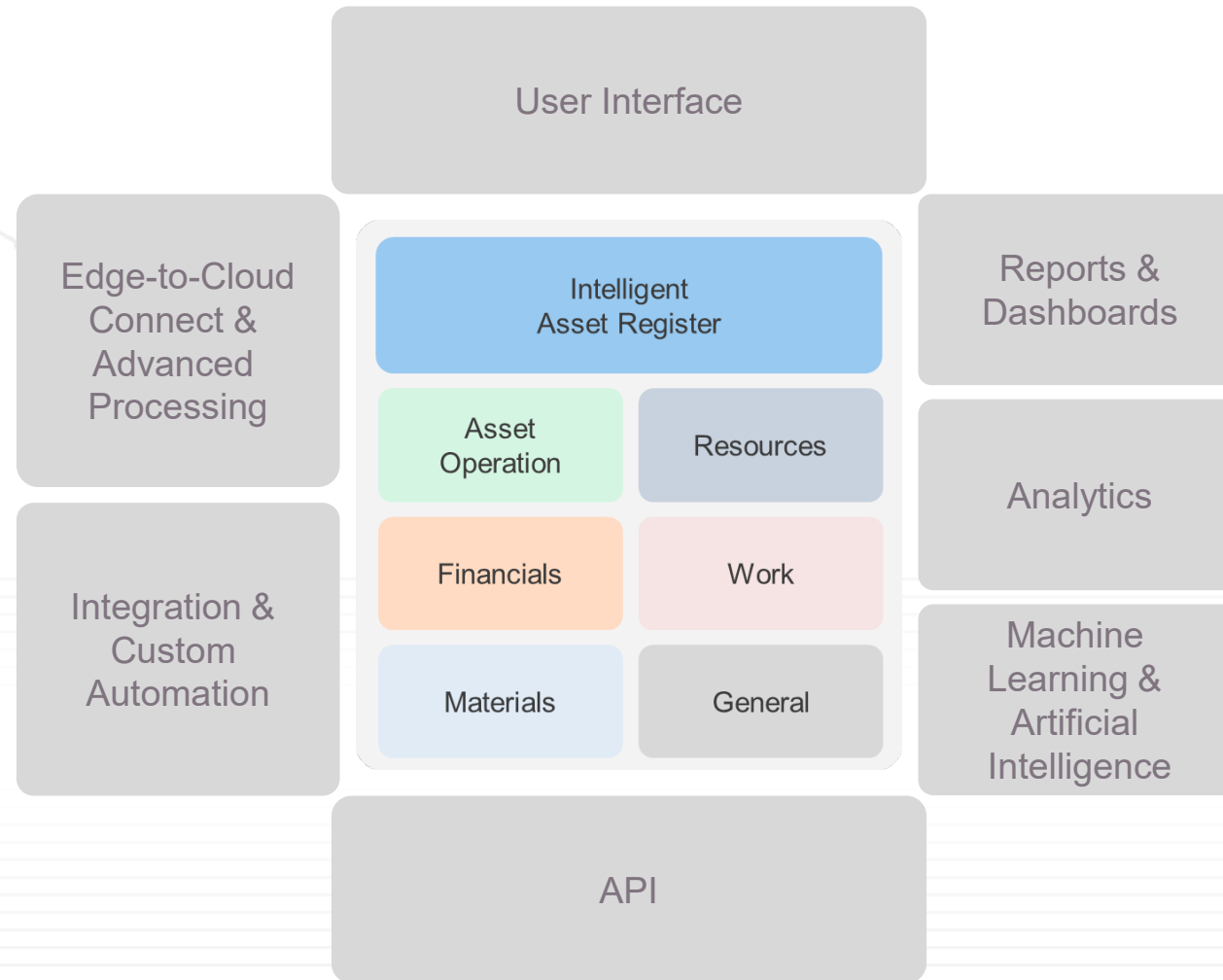


Simone Theron
On Key Product
Packs

On Key EAM-APM business feature overview



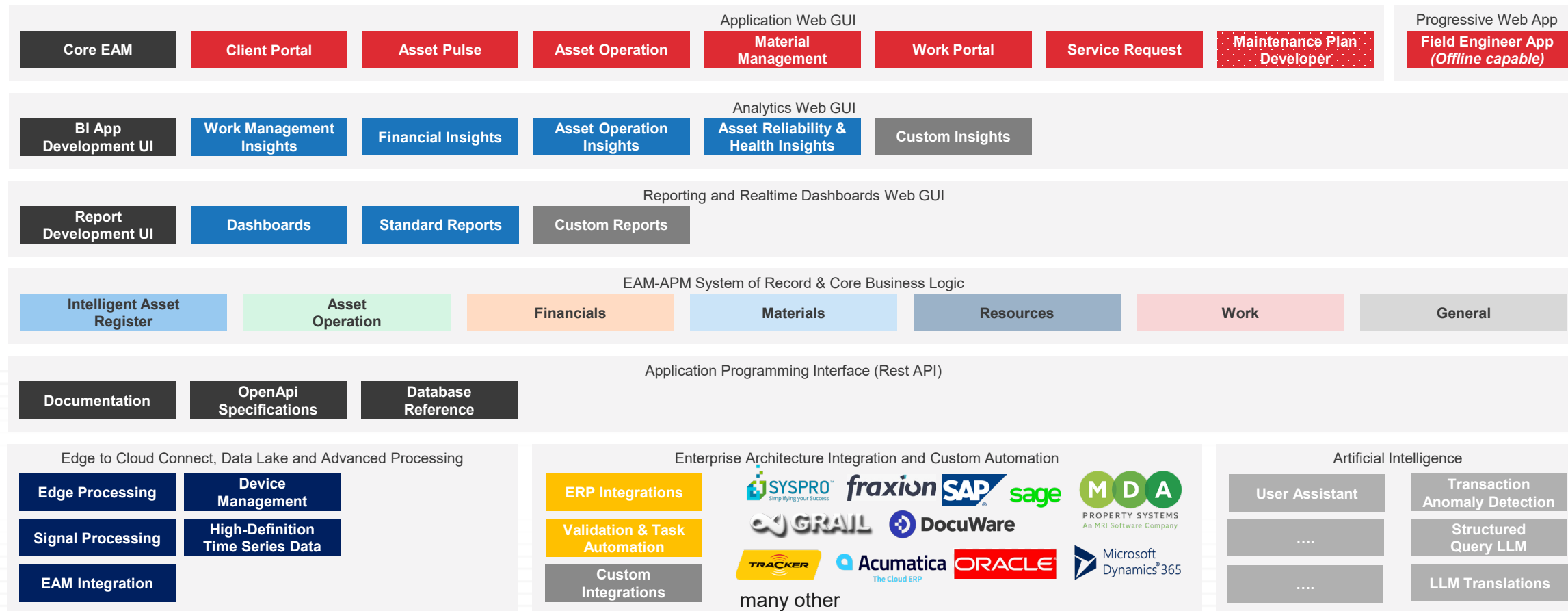
On Key EAM-APM product suite components



On Key interfaces and data processing



Product packs for industry verticals



- EAMS
- Insights
- Action
- Integrate
- Connect

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2024

CN KEY is a Verdantix Green Quadrant leader

Read announcement



SPAR



Pick n Pay



ON KEY EAM

Better tech. Better decision- making. Better reliability and maintenance management.

Yes, On Key offers a great user experience. Yes, it is easy to use. Yes, it makes it easier to perform your work. But, in reality these are nice features that should be part of any software application. On Key is the best enterprise asset management system or CMMS, because it is designed by engineers for engineers to ensure data accuracy and real time information in support of informed decision-making.

Watch & learn more about our relationship with Tsebo here:

Contact Us

www.onkey.com



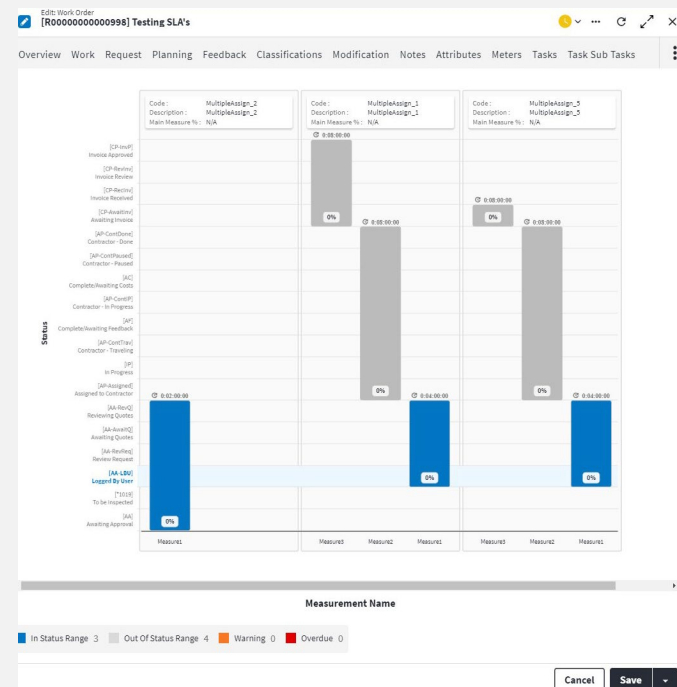
01

On Key Plus

Core service and asset management **system of record** with efficient **user interface** for essential **high-volume transactions**, efficient **power user activities** and **API for integration** into client architectures.

Core EAM | Oct'24 – Dec'24 | Feature additions and improvements

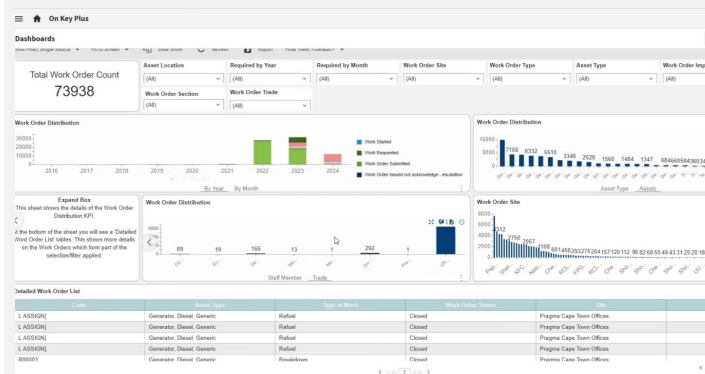
Service Level Agreements



Measure, monitor and manage service level agreements (**SLAs**) with the service management functionality.

Ensure that work is completed within an agreed time frame with escalation capabilities to inform relevant role players of the status of work.

Embedded Dashboards



All users can access custom and standard dashboards from the main user interface to view and interact with information in a graphical format.

Standard dashboards will be expanded over time, while power users can also develop their own versions.

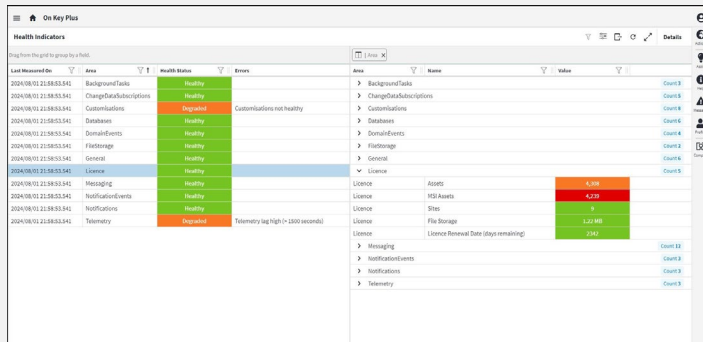
Geospatial and Linear Assets



Define **Points, Lines or Polygons** to define the physical location of Assets and Reference Assets.

Core EAM | Oct'24 – Dec'24 | Feature additions and improvements

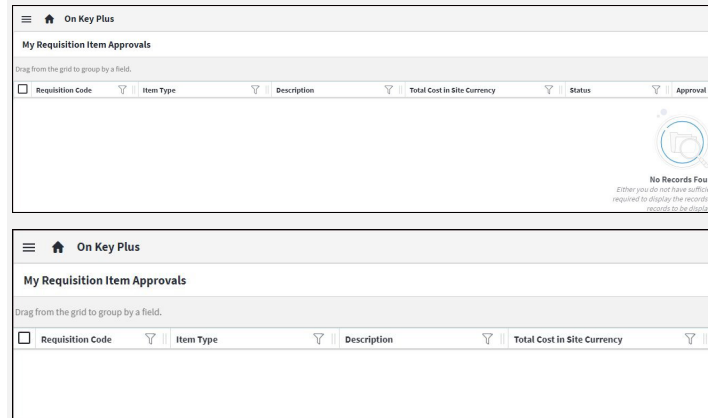
On Key Plus Health Indicators



Last Measured On	Area	Health Status	Errors
2024/10/01 21:58:53.541	BackgroundTasks	Healthy	
2024/10/01 21:58:53.541	ChangeDataSubscriptions	Healthy	
2024/10/01 21:58:53.541	Customizations	Degraded	Customizations not healthy
2024/10/01 21:58:53.541	Databases	Healthy	
2024/10/01 21:58:53.541	DomainEvents	Healthy	
2024/10/01 21:58:53.541	Mailings	Healthy	
2024/10/01 21:58:53.541	Notifications	Healthy	
2024/10/01 21:58:53.541	Telemetry	Degraded	Telemetry lag High (> 1500 seconds)
2024/10/01 21:58:53.541	Licenses	Healthy	
2024/10/01 21:58:53.541	Messages	Healthy	
2024/10/01 21:58:53.541	Notifications	Healthy	
2024/10/01 21:58:53.541	Notifications	Healthy	
2024/10/01 21:58:53.541	Telemetry	Degraded	Telemetry lag High (> 1500 seconds)

The **Health Indicators dashboard** provides an overview of the **health status** of the different areas of the system. A breakdown of the **measures** applicable to each area can be accessed by clicking on details in the toolbar.

Approval Workflows



Requisition Code	Item Type	Description	Total Cost in Site Currency	Status	Approval Role
------------------	-----------	-------------	-----------------------------	--------	---------------

No Records Found
Either you do not have sufficient or required to display the records or it depends to be displayed

Streamline **approval processes** by implementing **multi-level approval workflows** based on predefined values and user defined criteria.

Document Access on WOs



Create: Regular Asset Task Document
New Regular Asset Task Document

Overview

Header

Regular Asset Task

CALEN

Calendar Based Task

Document Record

FITECH

Filler Technical Specifications

Copy Document Link

Copy Link To Work Orders

Automatically add Asset Register configured documentation to Work Orders for easy access in the field.

Core EAM | Jan'25 – March'25 | Planned feature additions and improvements

Bulk Import Capabilities

This feature will streamline the process of **adding** and **updating large volumes** of information, saving **time** and **reducing errors** associated with manual data entry.

Asset Warranty

The inclusion of **warranty details** directly within the work order process aids in decision-making, potentially **reducing costs** by **utilising warranty** services when applicable and appropriate.

Observability Improvements

Define 1st, 2nd and 3rd level support within the system to report on System Health.



02

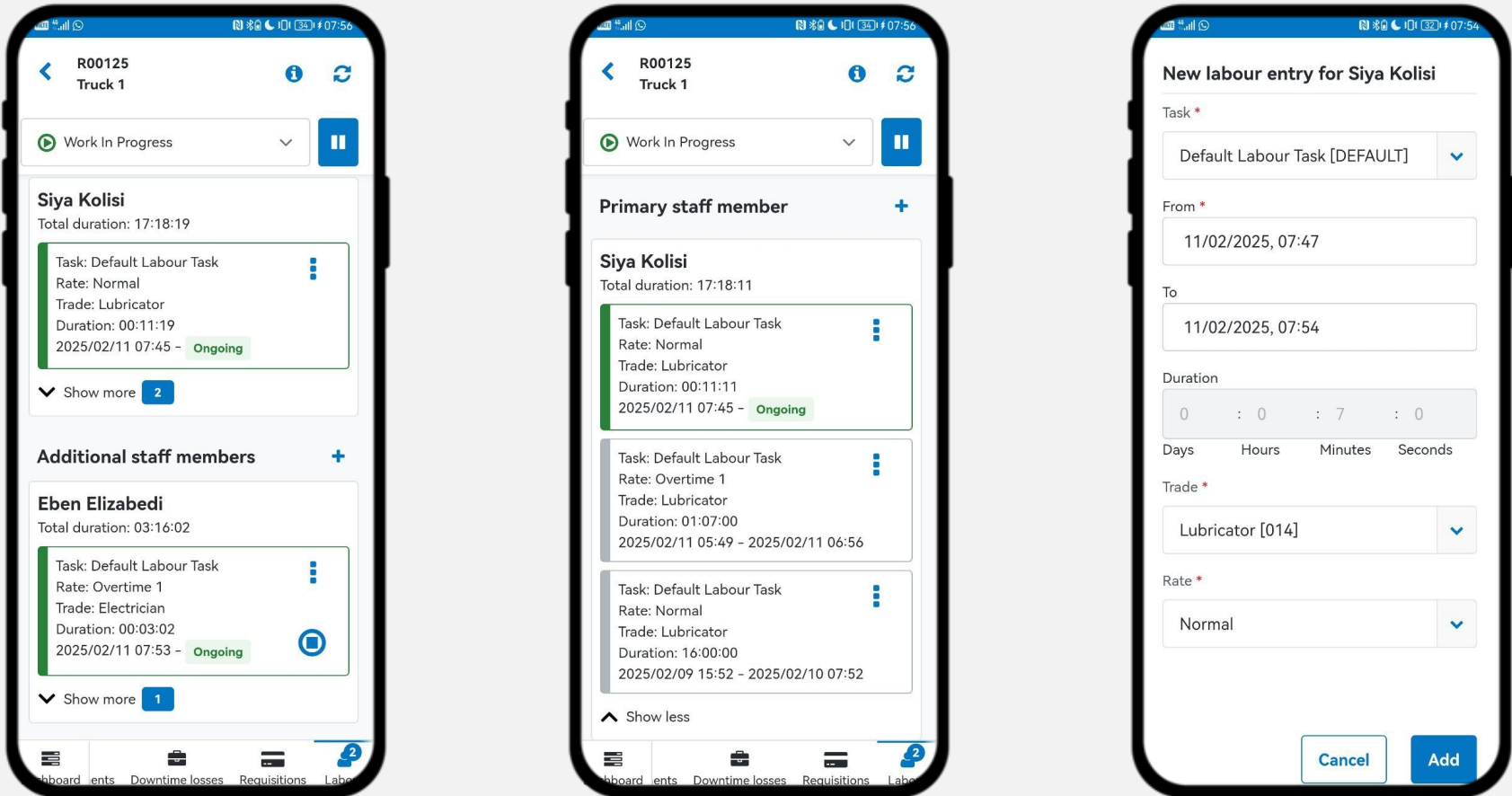
On Key Action

On Key apps allows you to optimise, automate and simplify your maintenance activities with a set of focused asset and facility management apps.

Field Engineer App

Offline capable mobile app to support all aspects of maintenance work execution, including asset information verification.

Additional labour recording functionality and a UI/UX overhaul



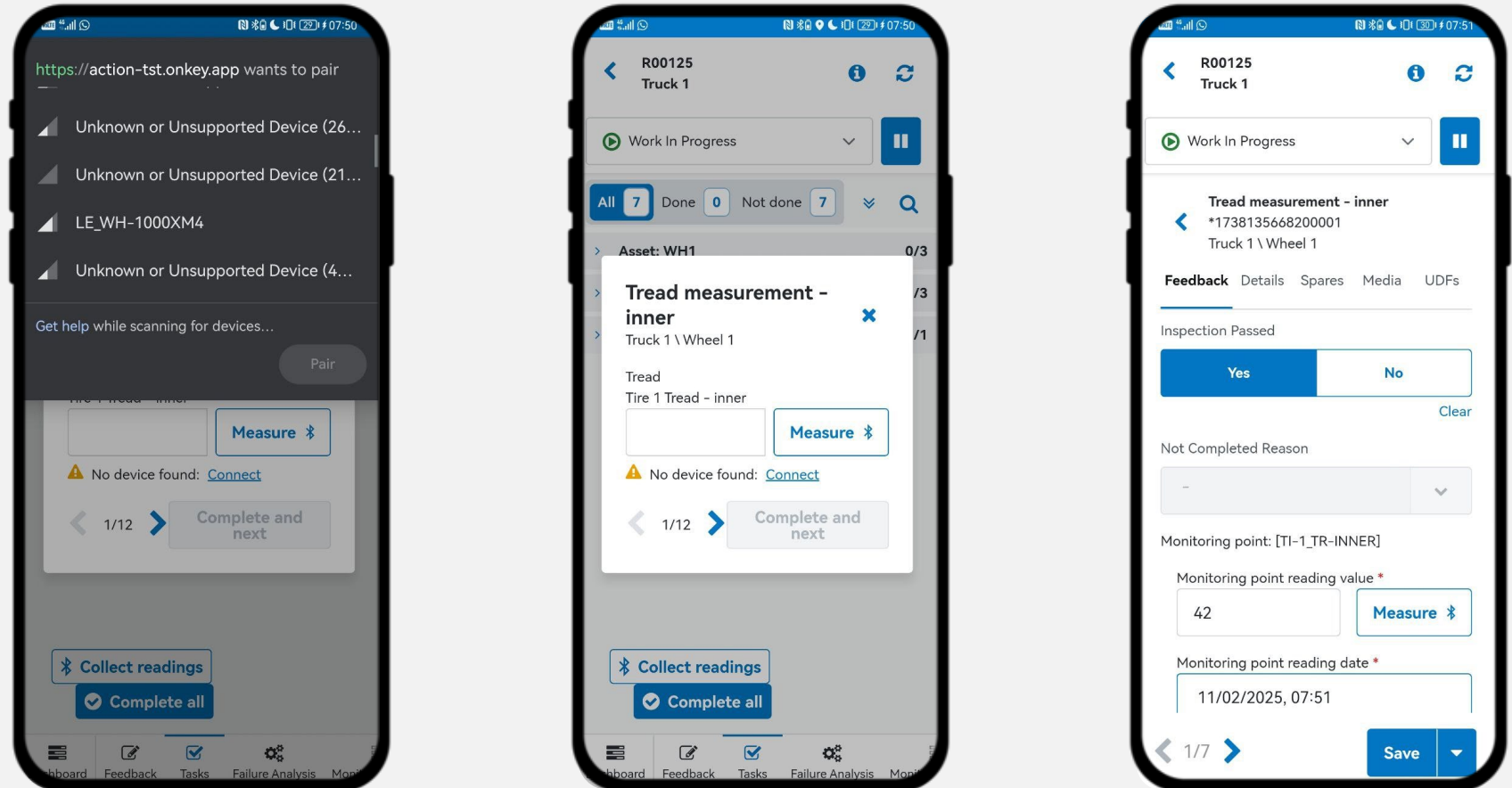
Technicians can add historic labour records for themselves and edit existing labour records to ensure that the time logged reflects the actual work done. All of this in a brand new UI with improved UX.

Oct'24 – Feb'25 | Feature additions and improvements

Field Engineer App

Offline capable mobile app to support all aspects of maintenance work execution, including asset information verification.

Bluetooth probe integration to expedite the process to collection monitoring point readings

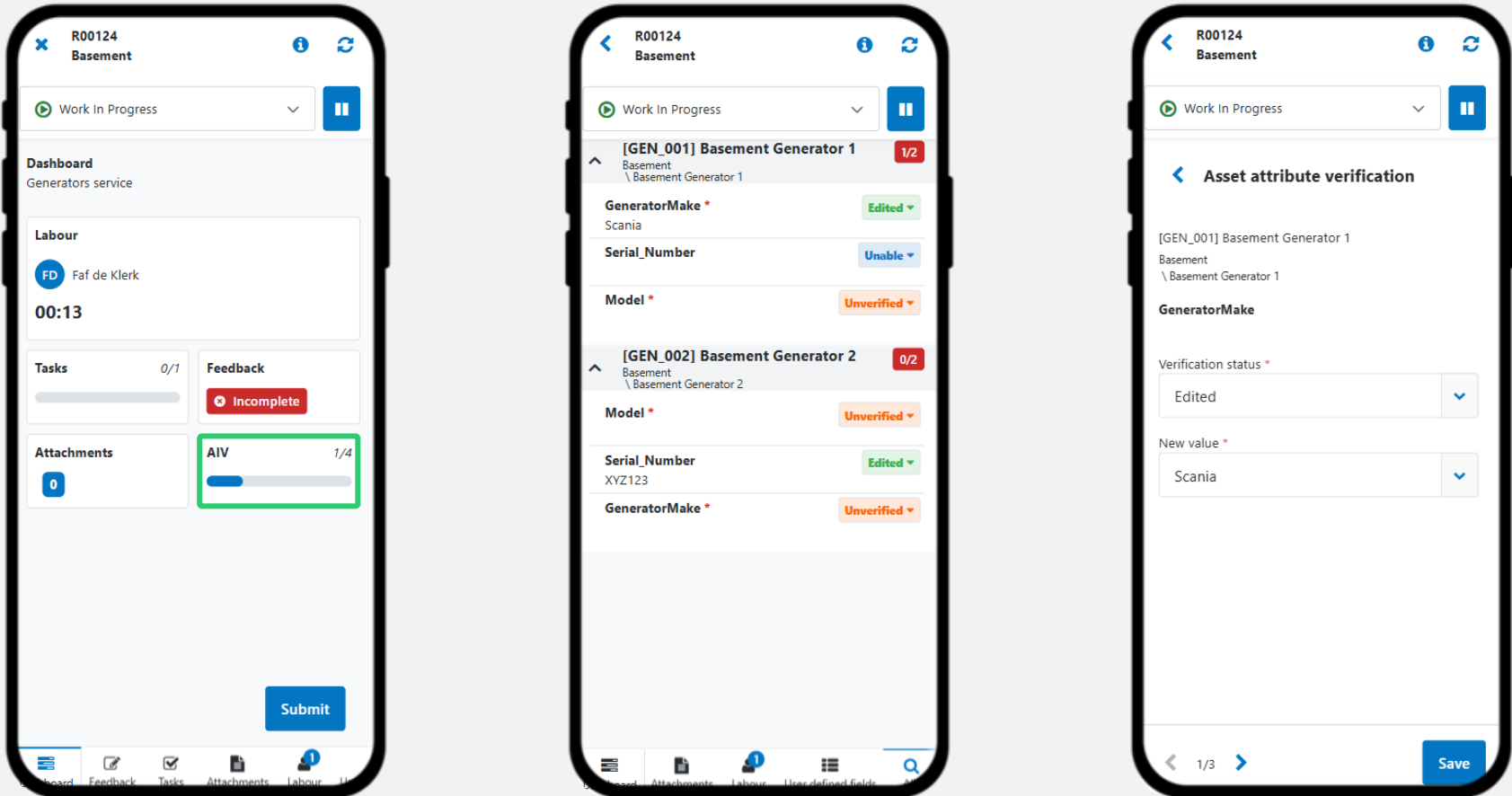


Connect to a **Translogic TLGX2** device (tread dept and pressure measurement), click “Measure” and move to the next task. Enables a streamlined MP collection process.

Field Engineer App

Offline capable mobile app to support all aspects of maintenance work execution, including asset information verification.

Brand new Asset Verification functionality

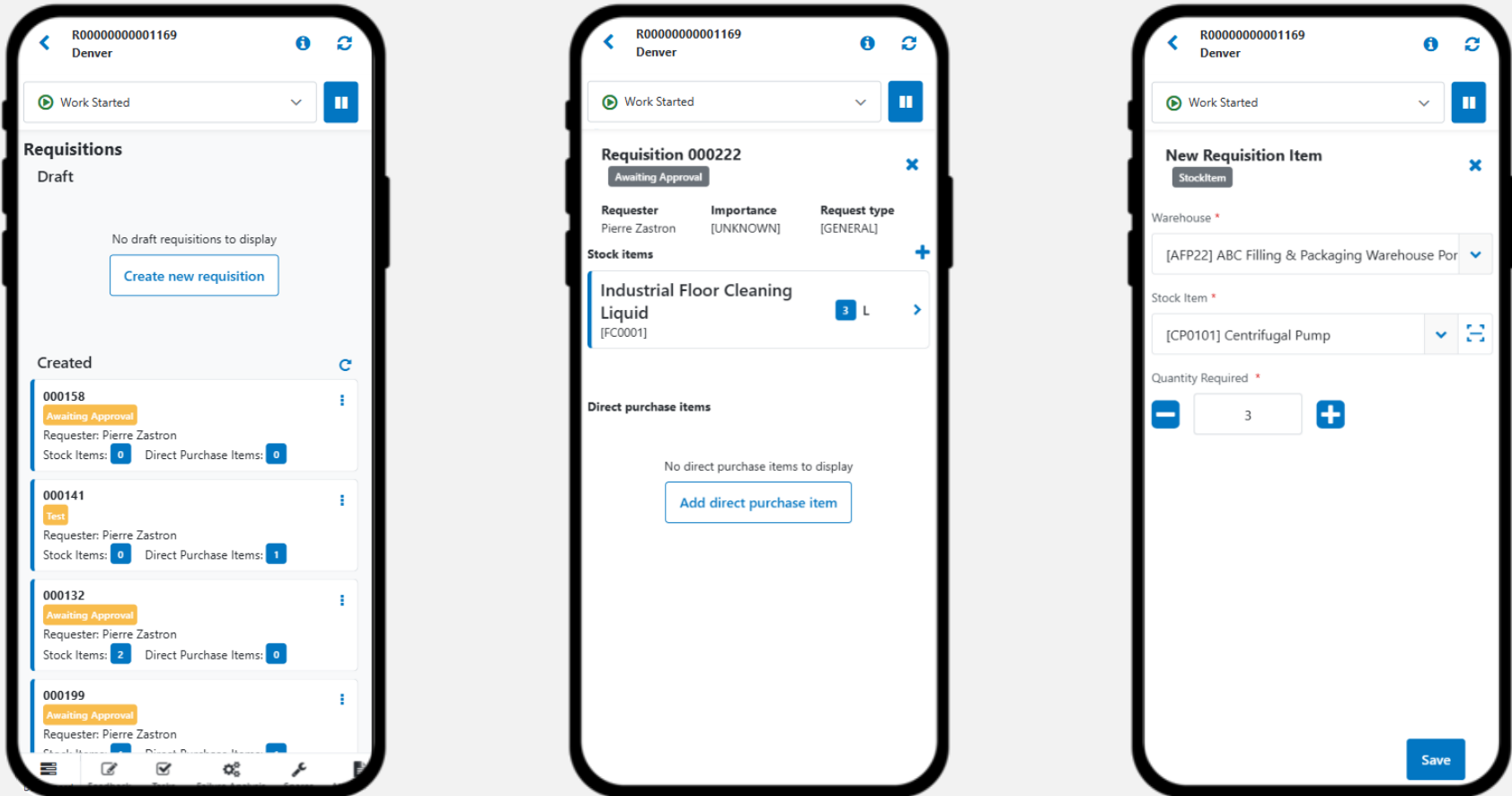


Keep your asset register up to date as part of routine maintenance work or dedicated work orders. Configure what needs to be verified per asset type as well as how often.

Field Engineer App

Offline capable mobile app to support all aspects of maintenance work execution, including asset information verification.

New and improved requisition management abilities

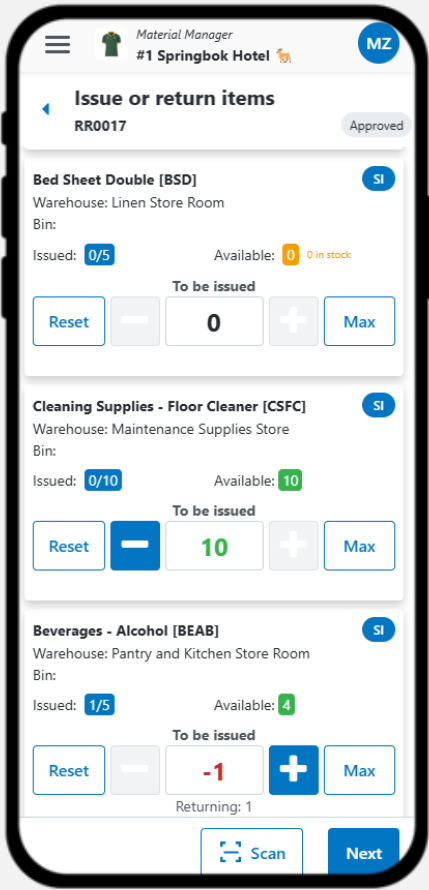
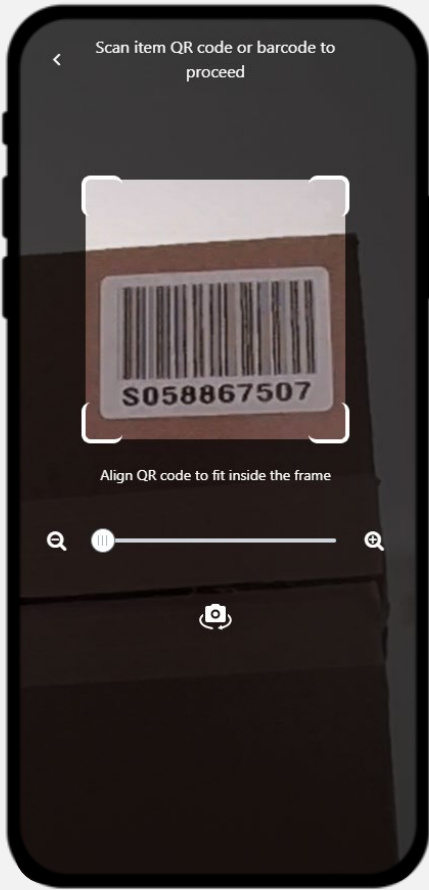
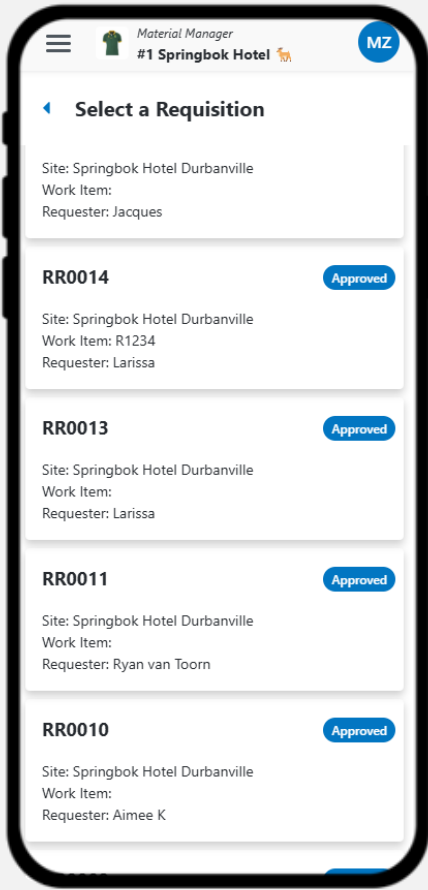


Managing requisitions from the palm of your hand just got a whole lot easier. Simplified workflows and an updated UI enables technicians to manage their requisitions wherever they are with a few clicks. Easily add items by simply scanning their codes.

Material Manager

Full stock management capabilities including Requisitions, Purchase Requests, Purchase Orders, Receipts, GRNs as well as Stock Takes, Stock Transfers and Revaluations

Mobile focused requisition issuing and returns capability



Storemen can use mobile devices to locate requisitions and issue or return items on them in seconds. Use stepper buttons when selecting quantities or simply scan the items with your device.

Planned feature additions and improvements

Newly designed login flow including the ability to request OTPs from guest users to validate their emails.

Adding mobile focussed UIs for Receipts and Stock Takes in the Material Manager app

UI/UX overhaul of the Field Engineer app based on feedback from *ReThink*

Improved attachment uploading process and validations (including image compression)

Asset Identification (creation) ability in the Field Engineer app (AIV)

Maintenance Plan Developer app – Guided tactic development tool



03

On Key Connect

Leverage Industry 4.0 technology. On Key, IoT solutions connect physical assets with digital twins. Powerful edge processing transfers data to the cloud, enabling real-time visualisation.

IoT Edge Gateway

Gateway software to collect and process raw data at the edge and bridge the gap between assets and the On Key EAM.



Modbus

```
1 2/4/2025, 2:06:33 PM Telemetry
2
3  Content: {
4    "Data": {
5      "Voltage": "0"
6    },
7    "DeviceId": "ModbusGarethVM1",
8    "SourceTimestamp": null
9  },
10 }
11
12 "_eventtype": "Telemetry",
13 "timestamp": "2025-02-04T12:06:33.348Z"
```

Enable seamless **industrial integration** to enable efficient and reliable communication between your industrial devices and cloud services. Drive **operational efficiency** and **reduce downtime** with real-time monitoring and predictive maintenance capabilities.

MQTT

```
1 2/4/2025, 1:43:11 PM Telemetry
2
3 {
4   "_unmodeleddata": {
5     "PublishTimestamp": "2025-02-04T11:42:59.5493974Z",
6     "Content": {
7       "Data": {
8         "Humidity": "10",
9         "Temperature": "22"
10      },
11      "DeviceId": "MqttGarethVM2",
12      "SourceTimestamp": "2025-02-04T11:42:09.5289284Z"
13    }
14  }
```

Lightweight messaging protocol for real-time data exchange. It benefits from low bandwidth usage, scalability, and flexibility, making it ideal for diverse IoT applications.

CSV

```
1 2/4/2025, 2:38:59 PM Telemetry
2
3 LOG_DM1_LIST: "0",
4 Log_Accumulator_Pressure_BAR: "122.000000",
5 Log_Air_Shutoff_Feedback: "1.000000",
6 Log_Air_Shutoff_Valve_Status: "0.000000",
7 Log_Battery_Voltage: "0.700000",
8 Log_Brake_Dump_Error_Status: "0.000000",
9 Log_Brake_Pressure_BAR_: "0.000000",
10 Log_Brake_Solenoid_Status: "0.000000",
11 Log_CardZNumber: "2147483647",
12 Log_Card_Access_Code: "2147483647",
13 Log_Card_Heartbeat: "68.000000",
14
```

Designed to address the challenge faced by **legacy** and limited industrial systems that only export data to CSV files.

Oct'24 – Dec'24 | Feature additions and improvements

Data Lake, Visualisation and Monitoring

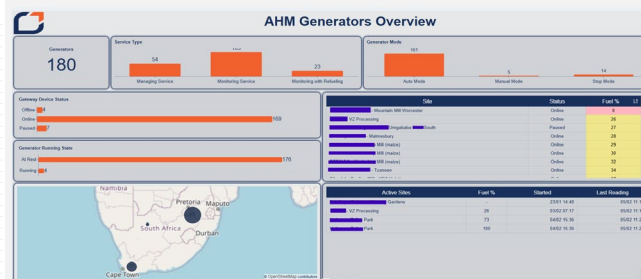
Decision-making driven by insights with long-term storage and visualisation capabilities.

Data Lake

id	description	reading	reading_on	device_id	monitoring_post_code	monitoring_p	platform_desc	client_desc	site_desc	section_desc	asset_desc	sensor_desc
1	PLD_POL_Sha 2	1	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE2	Dynamic Ratings
2	PLD_POL_Sha 2	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE2	Dynamic Ratings
3	PLD_POL_Sha 2	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE2	Dynamic Ratings
4	PLD_POL_Sha 2	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE2	Dynamic Ratings
5	PLD_POL_Sha 2	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE2	Dynamic Ratings
6	PLD_POL_Sha 2	375	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE2	Dynamic Ratings
7	PLD_POL_Sha 2	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE2	Dynamic Ratings
8	PLD_POL_Sha 2	470	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE2	Dynamic Ratings
9	PLD_POL_Sha 1	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE1	Dynamic Ratings
10	PLD_POL_Sha 1	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE1	Dynamic Ratings
11	PLD_POL_Sha 1	394	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE1	Dynamic Ratings
12	PLD_POL_Sha 1	434	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE1	Dynamic Ratings
13	PLD_POL_Sha 1	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE1	Dynamic Ratings
14	PLD_POL_Sha 1	14	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE1	Dynamic Ratings
15	PLD_POL_Sha 1	20	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE1	Dynamic Ratings
16	PLD_POL_Sha 1	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE1	Dynamic Ratings
17	PLD_POL_Sha 1	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE1	Dynamic Ratings
18	PLD_POL_Sha 1	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE1	Dynamic Ratings
19	PLD_POL_Sha 4	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE3	Dynamic Ratings
20	PLD_POL_Sha 1	441	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE2	Dynamic Ratings
21	PLD_POL_Sha 1	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE2	Dynamic Ratings
22	PLD_POL_Sha 2	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE2	Dynamic Ratings
23	PLD_POL_Sha 2	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE2	Dynamic Ratings
24	PLD_POL_Sha 2	0	2024/11/14 09:44:05	Anglo_Polusone	ANGL_P_POL_410-0004-01	Full	Commander	Anglo American	Potoware	Board 410-0004-01	PLN11_BLUE2	Dynamic Ratings

Unlock the full potential of your IoT data with our new **Data Lake** solution. IoT data is **automatically exported** in batches to your Data Lake, enabling seamless visualisation and advanced analytics.

Dashboards



Elevate your **data insights** with our comprehensive Dashboard feature in On Key. Designed to **visualise real-time data** and enable **in-depth analysis** of historical data.

System Monitoring

OnlineStatus_Dev Alarm Summary

1H42M - Milk Cold Room Sensor 1, 4.2C, 28May24 07:49

1H5M - Secondary Cold Room Sensor 2, 3.4C, 28May24 08:22

20H55M - Generator, CPT Building, 0PERC, 9Dec24 13:33

2 10:45

Be **notified** when your monitoring devices go **offline** with our Device Online Status feature to ensure **uptime** and **reliability**.

A **Data Consistency Report** based on technology brand and sorted by sites.

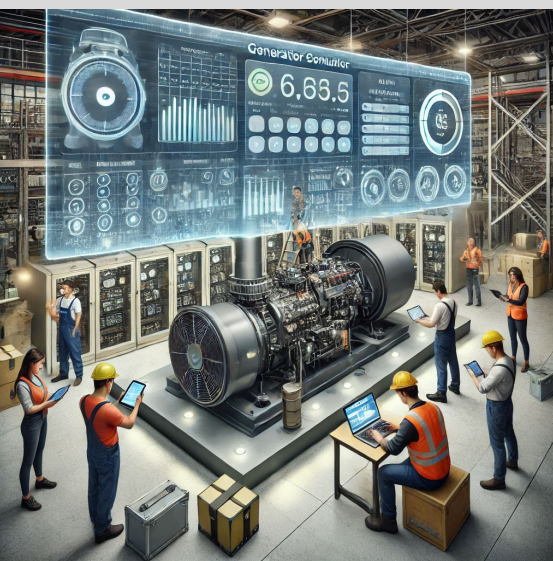
Stay consistently updated on active alarms with our **Alarm Summary Notifications** feature.



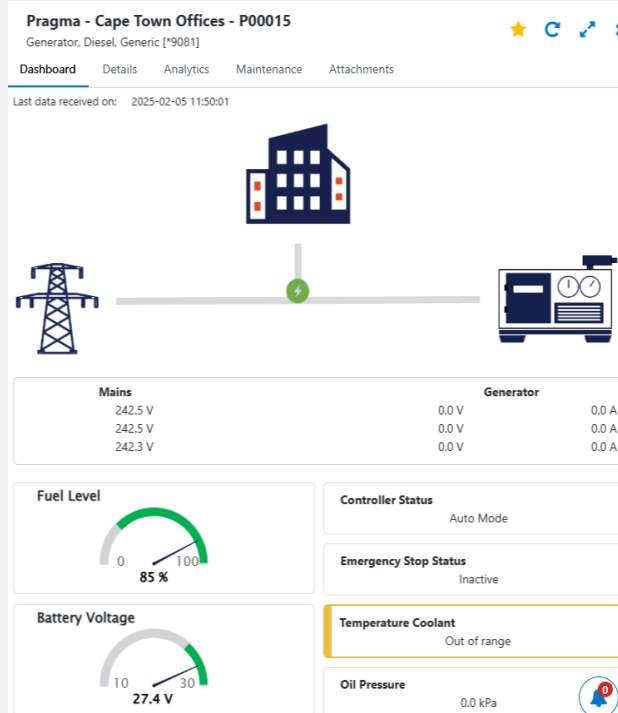
Oct'24 – Dec'24 | Feature additions and improvements

End-to-end Solutions

Edge to Cloud to EAM solutions that include certified hardware, cloud processing, visualisations, Apps, and EAM integrations.

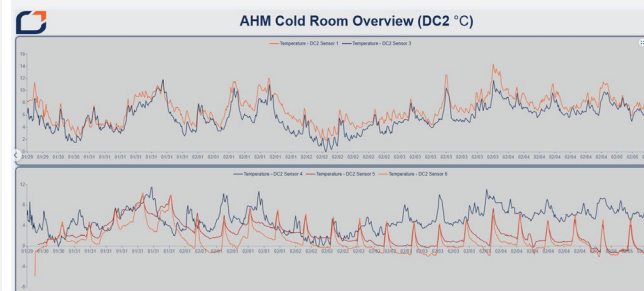


Generator Monitoring



We've added **energy telemetry** to provide **insights** into energy usage, helps **optimise** generator performance, and **identifies** potential inefficiencies.

Environment



Improved visualisations to report on **temperature changes** for food safety compliance use cases

Electrical

Timestamp	Message type	Event creation time	Current	TotalCurrent
> 2/5/2025, 12:03:48 PM	Telemetry		0.1	3995.93
> 2/5/2025, 12:02:48 PM	Telemetry		0.11	3995.76
> 2/5/2025, 12:01:48 PM	Telemetry		20.46	3995.43
> 2/5/2025, 12:00:48 PM	Telemetry		20.54	3995.09
> 2/5/2025, 11:59:48 AM	Telemetry		21	3994.75
> 2/5/2025, 11:57:48 AM	Telemetry		0.11	3994.07



Wirelessly monitor the **current consumption** of assets using Current Transformers. AHM team is piloting this solution to monitor **chip and pressure fryers** in a retail environment.

Mar '25 | Feature additions and improvements

Switchgear Monitoring | End-to-end solution using the IoT Edge Gateway

Edge Devices | Support for the son-off brand of IoT devices

Edge Devices | Shared Driver module for transforming raw data

The image shows a blurred industrial background with a large orange robotic arm on the left. In the foreground, there is a control panel with a large monitor and several buttons. The monitor displays a dashboard with three columns labeled 'LINE A', 'LINE B', and 'LINE C'. Each column contains icons of robotic arms, status indicators (circular icons with arrows), and line graphs. The control panel is orange and has a grid of buttons on the left and right sides, and several black knobs in the center.

04

On Key Integrate

On Key Integrate is a standardised system-to-system integration solution. It is based on best practices, and it includes monitoring and maintenance of the integrations.

Oct'24 – Dec'24 | Feature additions and improvements

25

Custom and Standard Integrations

Integration processes developed to integrate On Key into clients' enterprise architecture.

Sage X3



Master data alignment, including stock and purchasing management with On Key as stock consumer and Sage as stock manager. Labour tracking on work done in On Key is also integrated to Sage, for the client to get a full view on maintenance costs.

SAP



Multisite On Key is utilised for work management throughout the company, with stock and labour estimates integrated into SAP. On SAP confirmation, items are transferred to the on-site warehouse, where they can be issued on the work order. Actual stock and labour are then integrated into another SAP instance for invoicing.

SYSPRO



Standardised On Key – Syspro integration ready and in use for master data sync to On Key as well as transactional data flow. Request for stock and spares originate in On Key, and after approved, procured and received in Syspro, it integrates actual costing and usage to On Key. Asset expenditure tracking is accurate and part of reporting.

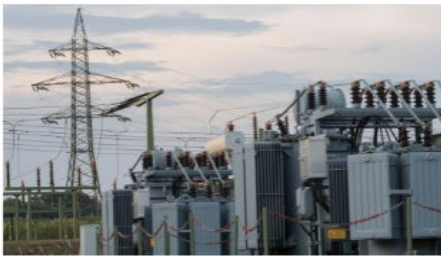
Mar '25 | Feature additions and improvements

Sage X3 | Additional custom integration

Business Central financial integration

Syspro Integration | Expanding Syspro integration for multisite On Key – multiple database Syspro

OKTA Identity Provider | Integrated user management



05

Sector Specific Solutions

Product packs for industry verticals enable standardised implementations to eliminate inefficiencies and save time.

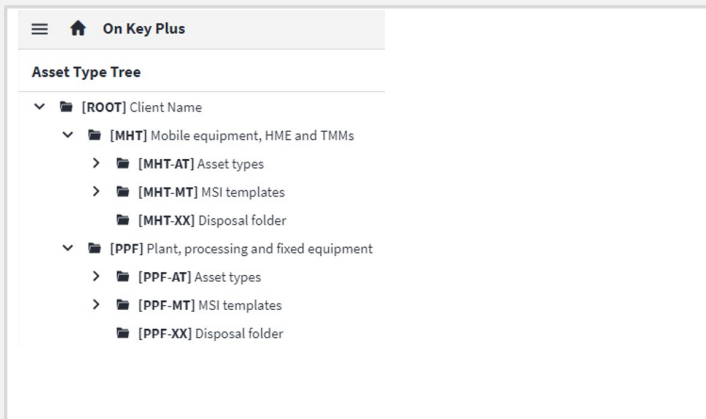
A **preconfigured template database** per solution facilitates the implementation of an accurate asset register.

A **best practice, efficient work management process** executed with mobile apps.

Supporting **end-user documentation and training material**.

Asset Intensive Facilities | Oct'24 – Dec'24 | New solution

Preconfigured template database

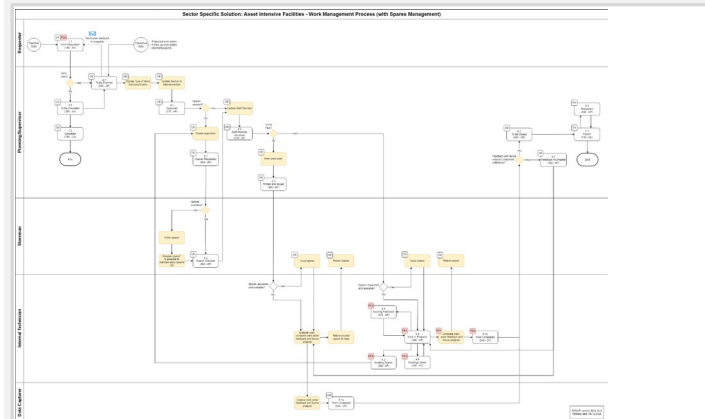


Asset care plan library available from which client can select relevant asset types with components and maintenance tasks.

Work order statuses and allowed status changes, types of work, asset importances, failure modes, - mechanisms, -causes and repair types, trades, notification templates, operational- and security roles.

Starting point to realise value from On Key as soon as possible.

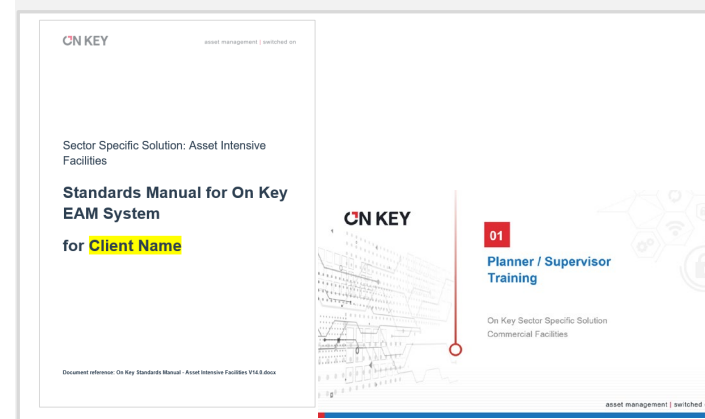
Work management process



Best practice work management process with optional spares management sub-process.

Each work order progresses through a series of preconfigured statuses throughout its life cycle.

Supporting documentation

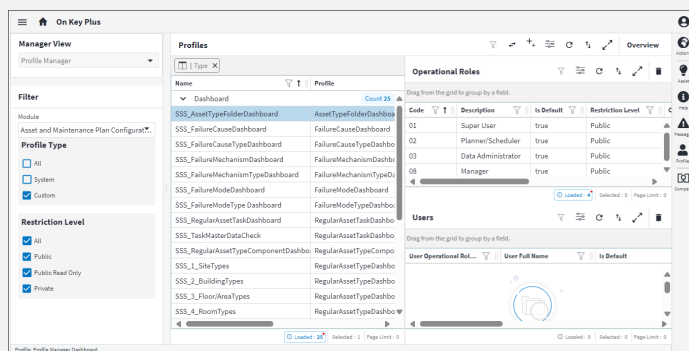


Preconfigured Standards Manual describes the master data available within the template database, indicates what client data is required and references the various supporting documentation, including the work management process.

Role-based training material.

Commercial Facilities | Oct'24 – Dec'24 | Feature additions and improvements

Profile configuration



90+
dashboard
profiles

10+
create/update
profiles

8
main menu
views

All profiles have been linked to the relevant operational roles and set as default for each role. Operational roles:

- Super user
- Planner/scheduler
- Data administrator
- Capturer/call centre
- Supervisor
- Artisan/technician
- Supply Chain Manager

Asset type tasks improved

Monthly passenger lift service
Annual cold room service
Quarterly dock leveller service

All references to frequency have been removed from regular asset type task descriptions.

Clients can update task frequencies without needing to edit task descriptions.

New asset type added

- ✓ [FP] Fire Detection and Prevention Equipment
 - ✓ [SES] Smoke Extraction System
 - ✓ [SDS] Smoke Detection System
 - ✓ [FSS] Fire Suppression System
 - ✓ [FSP] Fire Sprinkler System
 - ✓ [PHO] Pump House
- ✓ [FFE] Fire Fighting Equipment
 - > [Tasks]

A new asset type with components and tasks has been added to the template database: Fire fighting equipment (fire extinguishers and hose reels).

Mar '25 | Feature additions and improvements

Asset Intensive Facilities | Expanded asset care plan library which includes large asset systems comprising sub assemblies, for example drill rigs and excavators

Commercial Facilities and Asset Intensive Facilities | Notification template library per solution

While the sector specific solutions are aimed at new implementations, existing customers can also benefit from some of the features of the solutions. This includes various elements of the **preconfigured template database** including asset care plans, operational- and security roles, failure analysis data and notification templates.



06

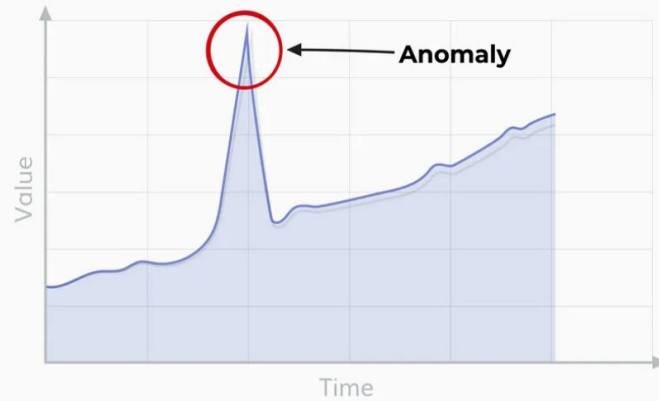
On Key Intelligence

Coordinated intelligence features surfaced throughout On Key to enable automation, extract insights, improved user interaction, etc.



Future features

Contractor Overspending Anomaly Detection



Develop and train a model on historical data used in contractor invoicing for parts, labour and travel. Once the model is trained and evaluated, it can be used to identify possible anomalies in submitted quotes and flag them accordingly.

Value: Cost savings on irregular contractor invoices

On Key Translator Service



Enable contextual translation of On Key front end and phrases to any of more than 100 supported languages. This will be considered as an additional service that can be requested on an ad-hoc basis.

Value: Accessible On Key in the user's native language

Help File Q&A



Use the existing On Key help file to train a model, to in turn receive AI-generated responses based on the help content.

Value: Direct answer to a user query, without the need to search multiple pages



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Thank you

On Key Team

CN KEY