

Maintenance digitization

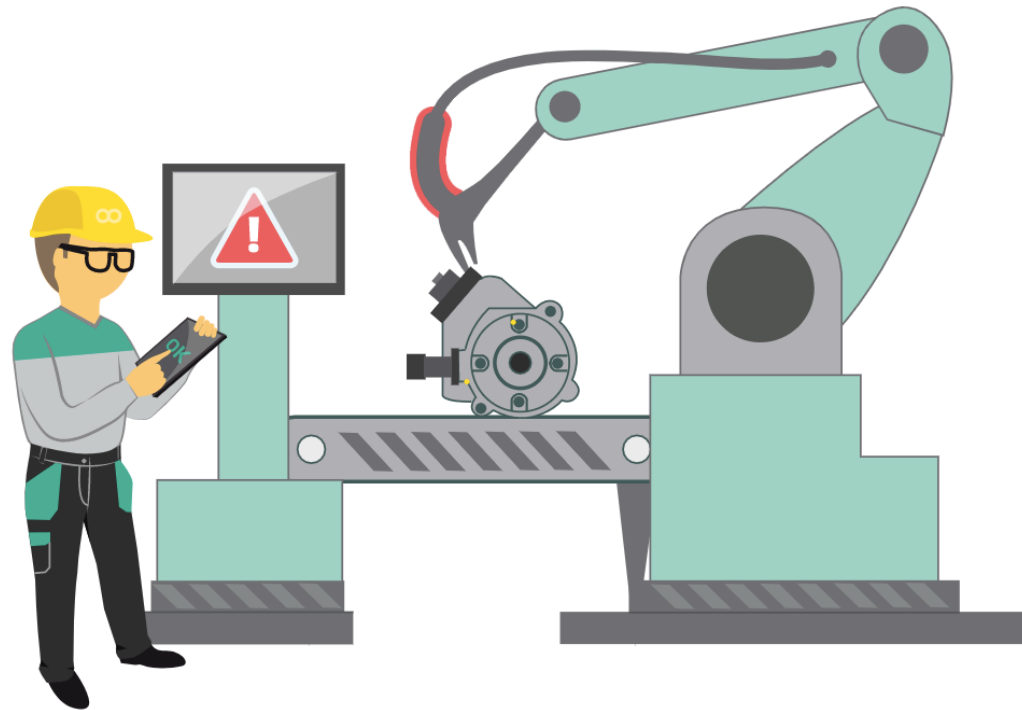
Smart Factory Suite module
for maintenance planning and execution



product^{oo}[®]

Up to 80% of maintenance time is spent **reacting** to issues rather than preventing them. Every minute of downtime costs manufacturers **thousands of euros**.

80%



How to solve this?

It's essential to keep your assets in good health and to be able to react quickly in case of unexpected issues. This can be achieved using Productoo solutions.



Smart maintenance management with Productoo



Accelerated workflow

immediate issue
reporting, shorter
time-to-react



Data availability

traceability, data
accessible on mobile
devices



Efficient production

less downtime thanks
to preventive
maintenance



Connectivity & synchronization

integration with
your ERP system

Your maintenance staff right where you need them.

Thanks to the **Mobile maintenance** module, your workers have all relevant information at hand – all the time.



Productoo CMMS: Main features



Planning and management of preventive and reactive/corrective jobs

Spare parts management (including stock levels)

Mobile interface for execution (complete information about jobs and assets)

Flexible reporting tool

ERP integration

IoT sensors connectivity



Smart Management of Preventive & Corrective Maintenance Jobs

Smart equals simple - at least in Productoo. Synchronize preventive plans for your assets with your ERP or manage them inside Productoo. **Receive notifications** of issues instantly from the shopfloor (even directly from machines) and check which technicians are able to do the job. Assigning the job to a technician couldn't be easier - you can do it just by drag & drop. The technician is notified instantly.

The screenshot displays the 'Notification detail' interface within the Productoo application. The interface is divided into several sections: a left sidebar with navigation icons for Dashboard, Maintenance Notifications, Maintenance Orders, Spare parts, Maintenance Redbox, and Maintenance Technicians; a main content area with tabs for 'Notification detail' and 'Notification attachments'; and a right sidebar showing a list of technicians.

Four callouts highlight specific features:

- New notification:** Points to the 'Notification detail' tab.
- Picture, video, audio attachments:** Points to the 'Notification attachments' tab.
- Available & qualified technicians:** Points to the list of technicians on the right sidebar.
- Drag & drop the job to assign it to a technician:** Points to the 'Maintenance Technicians' icon in the left sidebar.

The 'Notification detail' section shows the following information:

- Current status:** created
- Notification ID:** 1011
- Type:** Corrective
- Created:** 2019/05/20 10:19
- Description:** Broken plastic cover
- Notified by:** Anna Anderson
- Equipment ID:** 25
- Number:** engine-oil-filler-01
- Description:** Engine Oil Filling equipment
- Location:** Engine Testing Shop

The 'Maintenance order' section shows:

- NO MAINTENANCE ORDER ASSIGNED**

The bottom of the interface shows a table of notifications:

Notification ID	Status	Priority	Created	Equipment	Location	Technician
10008190	CREATED	High	2019/05/07 14:24	LubePro™ H1900	Tire Assembly Workcenter	Anna Anderson
10006265	CREATED	High	2019/05/06 12:45	Engine Cold Tester	Engine Testing Shop	Lukáš Melena

The right sidebar lists the following technicians:

- Anna Anderson**
Shopfloor technician
123456789
anna@shopfloor.-com
- Jory Robertson**
Tire Mounting Technician
+16023334444
jory.robertson@productoo.com
- David Brown**
Sand Blaster Technician

Keeping Track of Maintenance Orders


Assigning a job to a technician couldn't be easier - you can do it just by **drag & drop** and select the required finish date. Spare parts are reserved instantly based on the type of the reported issue. The maintenance order status can be checked easily **every step of the way**.


Manual creation of orders (if necessary)


List of all maintenance orders


Maintenance order status


Just one click to display a technician's workload





















CUSTOMIZATION



LOG OUT PAVLA DOLEZALOVA

PRODUCTOO MAINTENANCE CONTROL 3.2.4 | DEMO FACTORY (FAC1) | QUALITY ENVIRONMENT

2019/05/20
MONDAY

10:08:16
CURRENT TIME

Maintenance Orders
MAINTENANCE ORDERS ASSIGNMENT


GLOBAL CALENDAR

CREATE MAINTENANCE ORDER

REMOVE FILTER

FILTER

STATUS	PRIORITY	MAINTENANCE NUMBER	DESCRIPTION	SCHEDULED DATE FINISH	CREATED ON	EQUIPMENT	EQUIPMENT LOCATION	NOTIFICATION NUMBER	ASSIGNED EMPLOYEE	MAINTENANCE TYPE
<div><div></div><div>PAUSED</div></div>	Low	1	Oil on the floor	2019/02/22 10:00	2019/02/19 12:06	FB-R01 Wind Power Abrasive Recycling Sandblasting Room	Sand Blasting Room		Anna Anderson	Breakdown
<div><div></div><div>COMPLETED</div></div>	Normal	2	Broken screen	2019/02/23 07:00	2019/02/19 12:10	LubePro™ H1900	Tire Assembly Workcenter	10002524	Harry Smith	Corrective
<div><div></div><div>PAUSED</div></div>	Normal	3	Oil problem. Please solve immediately.	2019/02/25 12:31	2019/02/19 12:31	Engine Oil Filling equipment	Engine Testing Shop	10007642	Anna Anderson	Corrective
<div><div></div><div>COMPLETED</div></div>	Normal	4	PCF Metering doesn't work well.	2019/02/24 12:32	2019/02/19 12:32	PCF Metering System	Polyurethane Processing	10003375	Anna Anderson	Corrective
<div><div></div><div>PAUSED</div></div>	High	5	Problem with recycling.	2019/02/28 12:32	2019/02/19 12:32	FB-R01 Wind Power Abrasive Recycling Sandblasting Room	Sand Blasting Room	10006823	Harry Smith	Breakdown




Anna Anderson

Shopfloor technician

123456789

anna@shopfloor.-com




Jory Robertson

Tire Mounting Technician

+16023334444

jory.robertson@productoo.com



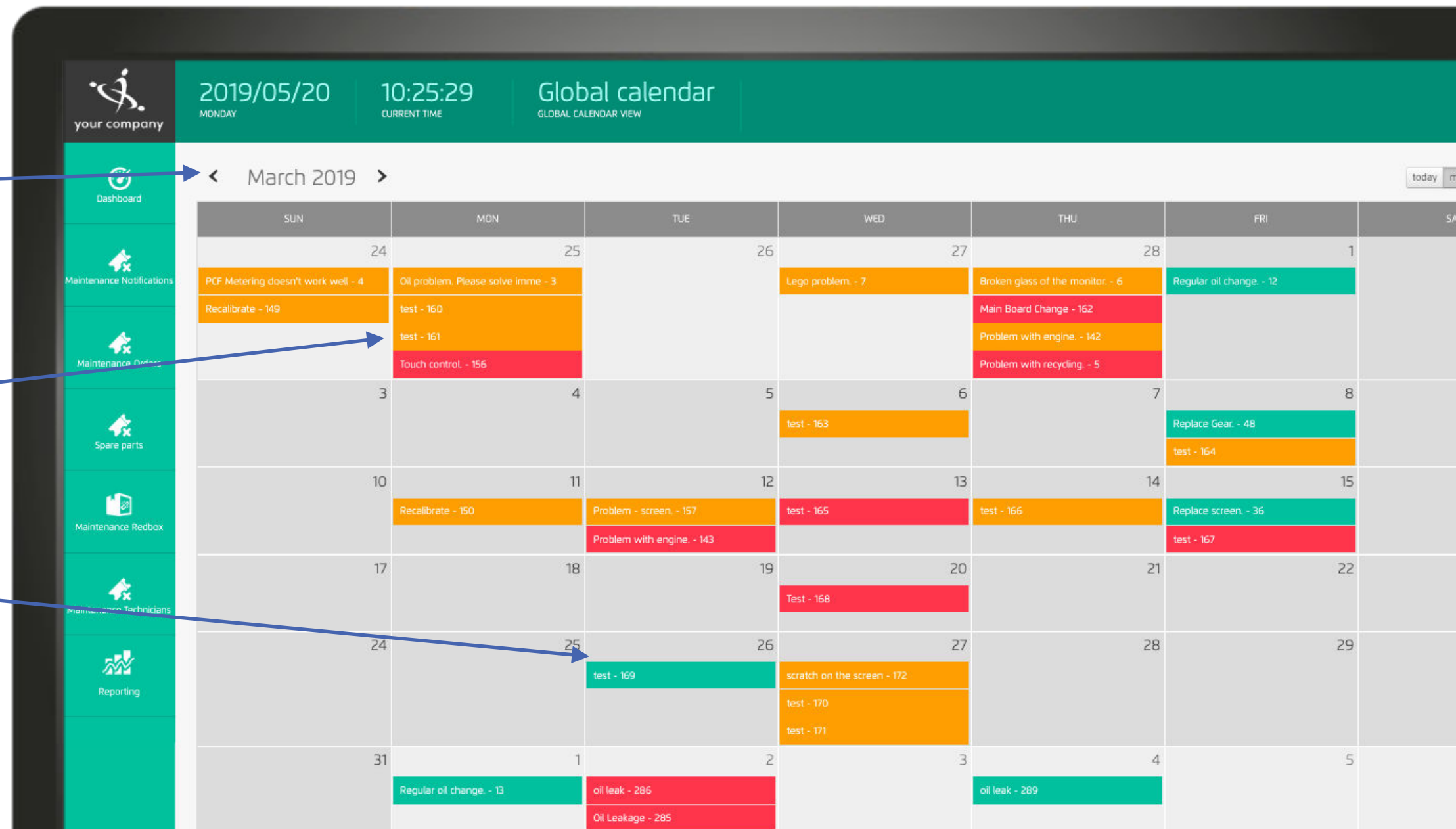
Calendars for a Complete Overview

A maintenance manager needs to have a **full overview** of what's happening in his department. Maintenance Control offers several **calendar options** to select from so you can always get exactly the information that you need.

Select time range and display history as well as plan

Color coding based on priority or job type

Details available with one click



Shopfloor interface for tablets: Keep your technicians mobile!

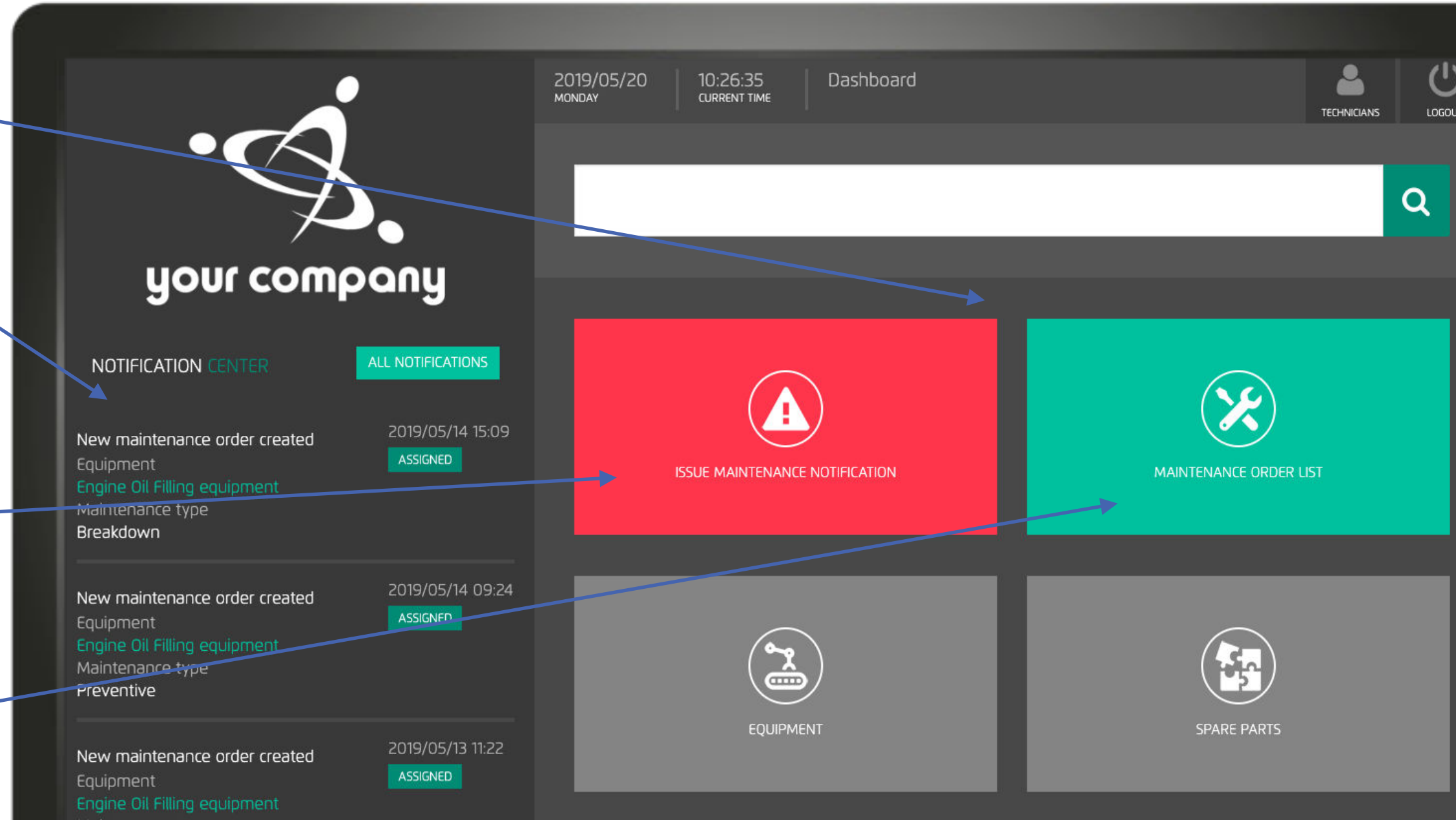
A **user-friendly interface with a neat layout** provides an easy access to **all relevant information** and allows technicians to carry out their job right where and when it's needed.

Large buttons for quick and easy orientation

Log in & immediately see new notifications

Issue notifications within seconds

Access all relevant information about your jobs



See a problem? Report it! Instantly & With Pictures or Video

Reporting unexpected issues takes just **seconds** - scan the equipment barcode, describe what the matter is and/or take a picture and send the notification. Maintenance manager is notified **immediately**.

Scan the asset
or select it from
the list

Describe the issue

Take a photo, record
voice/sound/video

The screenshot shows a mobile application interface for reporting maintenance issues. At the top, a dark header bar displays the date '2019/05/20', time '10:26:57', and 'Dashboard'. A user profile icon labeled 'TECHNICIANS' is in the top right. A modal window titled 'Issue maintenance notification' is open, featuring a close button (X) in the top right corner. The form contains three main sections: 'Equipment:' with a dropdown menu showing '-- Choose equipment --'; 'Notification description:' with a large text input area; and 'Notification type:' with a dropdown menu showing 'Breakdown'. Below these fields are three circular icons for media capture: a camera, a video camera, and a microphone. A green 'Create Notification' button is positioned at the bottom right of the modal. Three blue callout boxes on the left side of the screen point to specific elements: the first points to the equipment dropdown, the second points to the description text area, and the third points to the media capture icons.

2019/05/20 | 10:26:57 | Dashboard

TECHNICIANS

Issue maintenance notification

Equipment:
-- Choose equipment --

Notification description:

Notification type:
Breakdown

Take photo, record voice/sound/video

Create Notification

2019/05/13 11:22

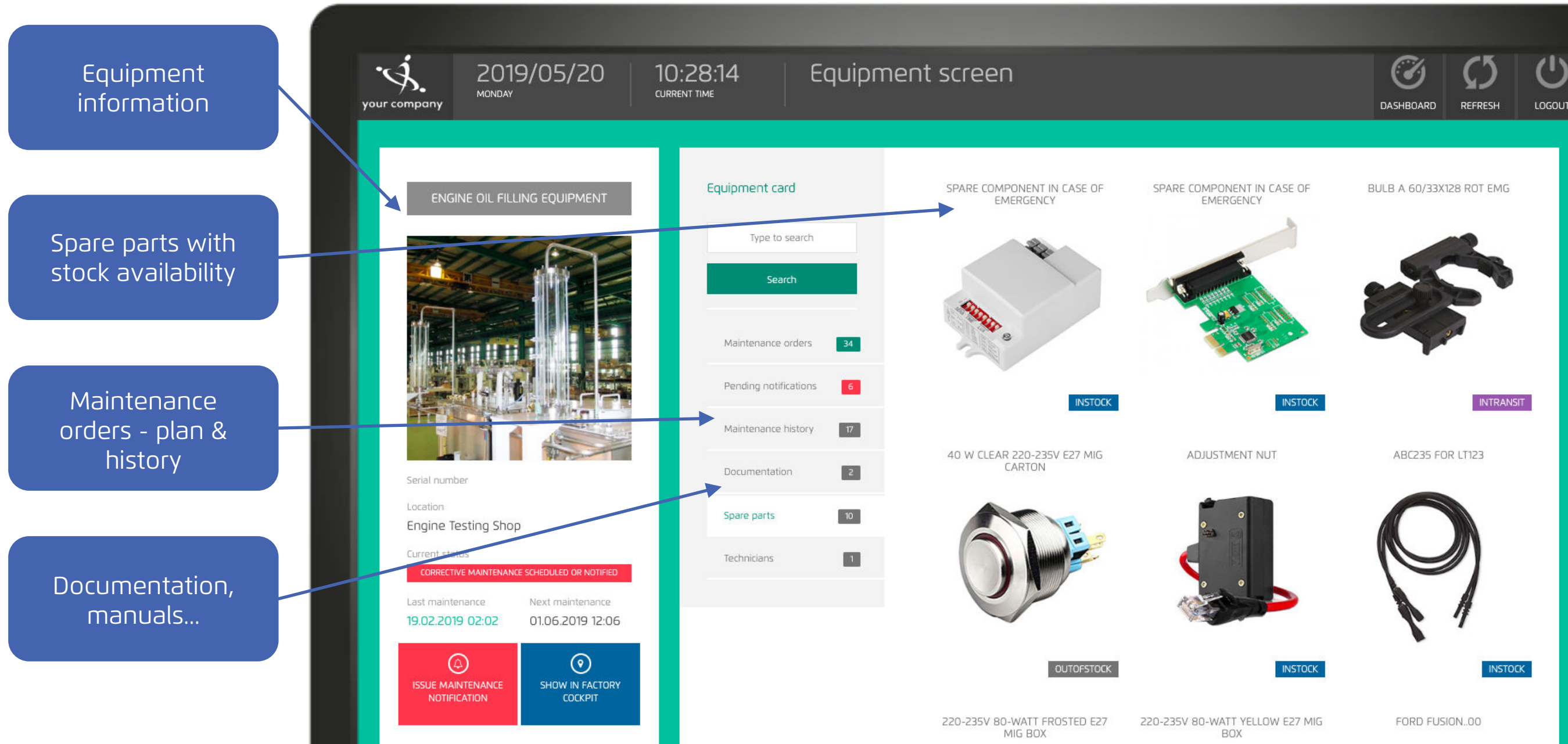
maintenance order created

EQUIPMENT

SPARE PARTS

Asset Details in One Place

Access **all the information you need** in order to carry out the job flawlessly - whether it is documentation, instructions or a spare parts list. Everything is just one click away. And if your wi-fi connection isn't the strongest, don't worry - **offline mode** is available.



Maintenance Orders: Fingertip Access to All You Need

Display all important information - and just **get the job done!**

Basic information

Repair instructions

Problem reporting
(such as missing
parts)

Maintenance
execution

The screenshot displays a mobile application interface for maintenance orders. At the top, a header bar shows the company logo, date (2019/05/20 MONDAY), time (10:29:42 CURRENT TIME), and the screen title 'Maintenance screen'. On the right of the header are 'DASHBOARD' and 'REFRESH' icons.

The main content area is divided into three columns:

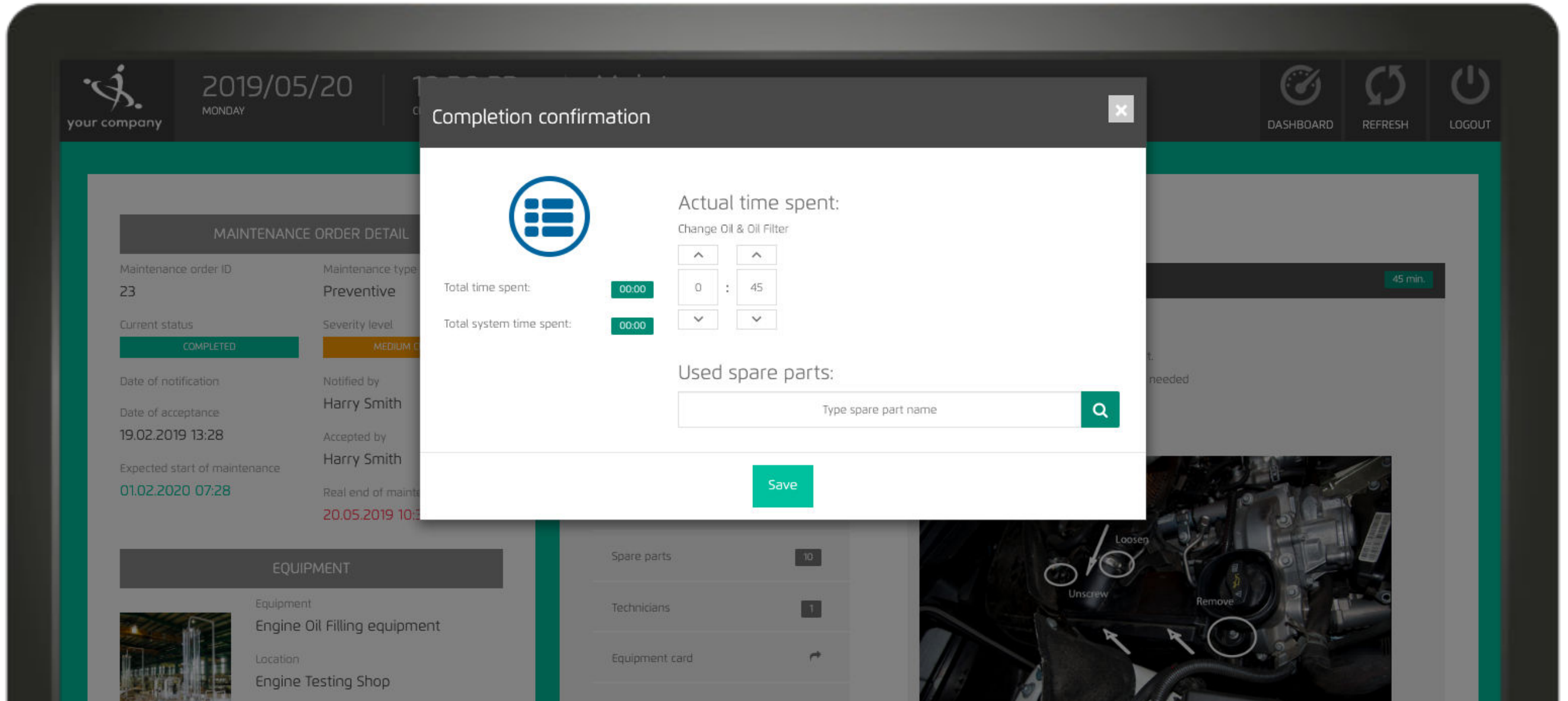
- MAINTENANCE ORDER DETAIL:** Contains fields for Maintenance order ID (22), Maintenance type (Preventive), Current status (CREATED), Severity level (MEDIUM CRITICITY), Date of notification, Date of acceptance (19.02.2019 13:28), Expected start of maintenance (31.12.2019 18:00), Notified by (Harry Smith), Accepted by (Harry Smith), and Expected end of maintenance (01.01.2020 00:00).
- EQUIPMENT:** Includes an image of engine oil filling equipment, Equipment name (Engine Oil Filling equipment), and Location (Engine Testing Shop).
- Maintenance order card:** Features a search bar with the placeholder 'Type to search' and a 'Search' button. Below it is a list of tasks with counts: Maintenance tasks (1), Maintenance description (0), Documentation (2), Spare parts (10), Technicians (1), and Equipment card (1).
- Maintenance tasks:** Displays a task titled 'Change Oil & Oil Filter' with a duration of 45 min. The task description includes: 'Oil and filter change', 'Turn on the engine before maintenance start.', and a list of steps: 'dismount bolt from oil tank, replace if needed', 'dismount oil filter', 'use 4l of Shell SW33 oil for refill', 'replace with new filter GF543', and 'tighten all bolts with 24 Nm'. Below the text is a photograph of an engine with white circles and arrows indicating specific actions: 'Unscrew', 'Loosen', and 'Remove'.

At the bottom, there are four buttons: 'START MAINTENANCE ORDER' (blue), 'COMPLETE MAINTENANCE ORDER' (grey), 'SEND TO REDBOX' (red), and 'COMPLETION CONFIRMATION' (grey).

Callouts from the left side of the image point to specific elements: 'Basic information' points to the Maintenance Order Detail section; 'Repair instructions' points to the Maintenance tasks section; 'Problem reporting (such as missing parts)' points to the Equipment section; and 'Maintenance execution' points to the bottom action buttons.

Seamless ERP Integration = Efficient Data Management

The app can be used as a standalone solution. However, if you wish to integrate it with your ERP system, we've got you covered. Thanks to **real-time connection**, all updates about maintenance orders, spare parts consumption etc. are sent to your ERP. No need to maintain data in both systems - keep everything **in sync**!

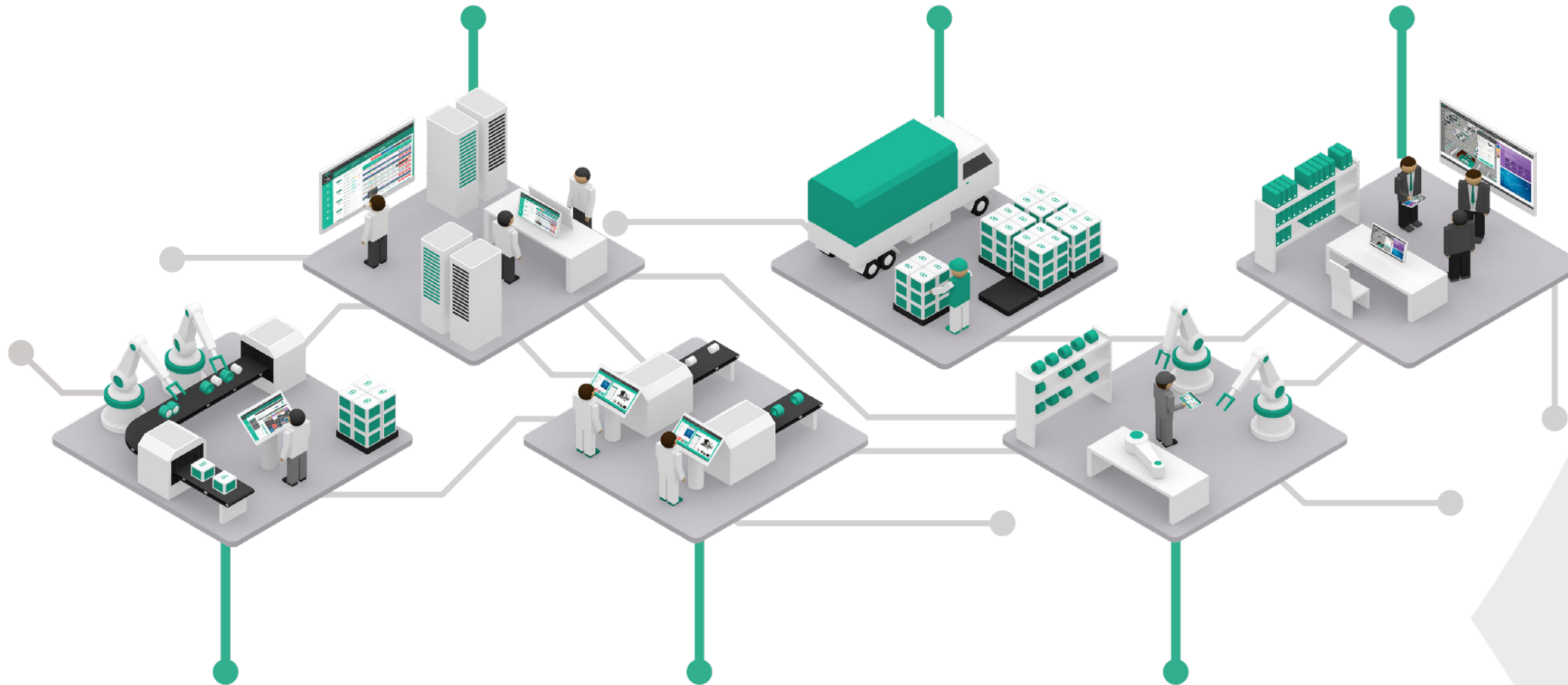


Productoo 4.0 Manufacturing Digitization Ecosystem

Production planning

Internal logistics

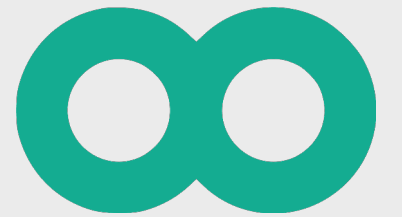
Performance
monitoring & reporting



Production tracking

Production execution

Maintenance management





PLUG & PLAY

1

Install

cloud / on premise
3rd party system
integration

2

Activate

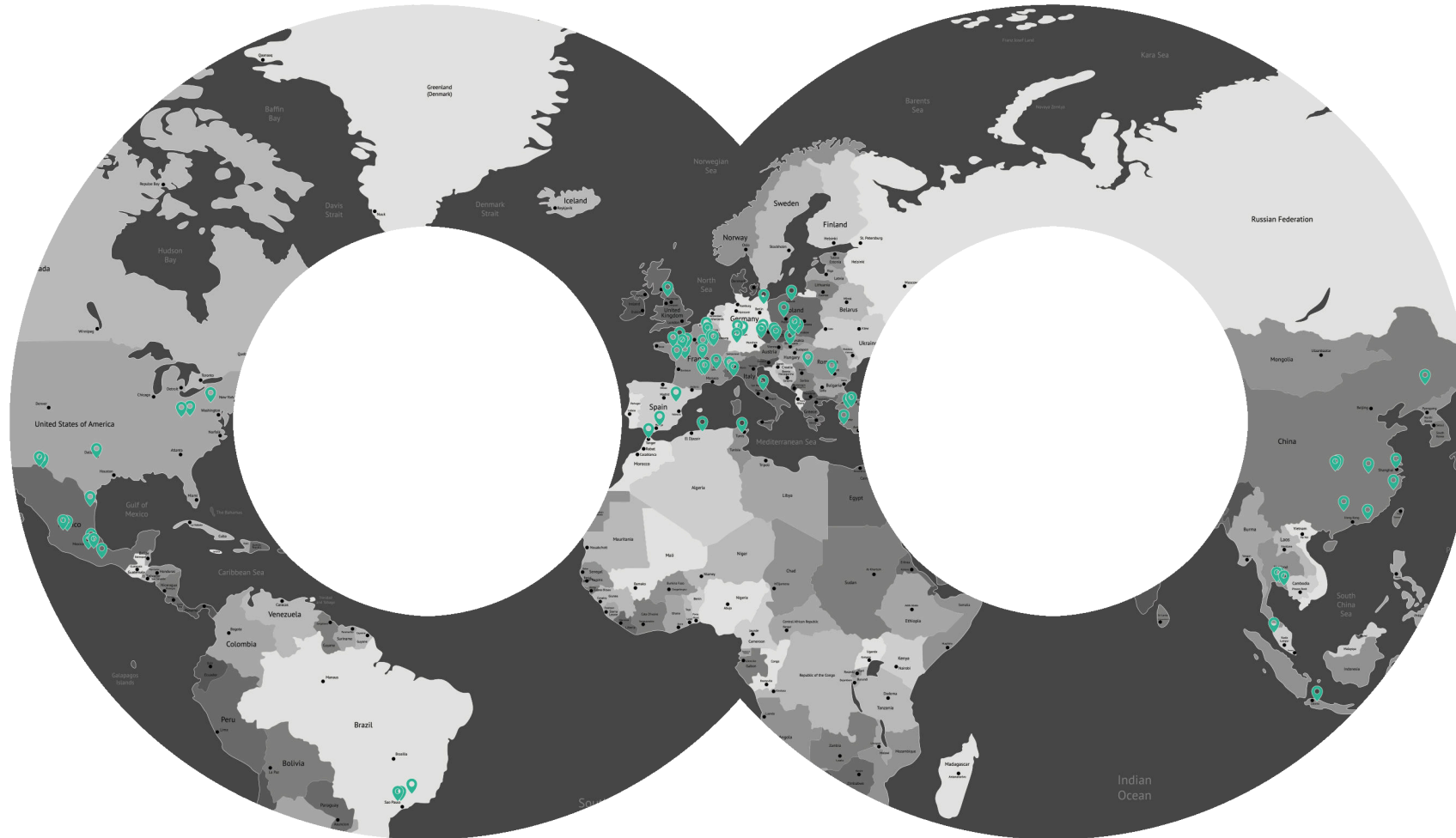
license key
configuration

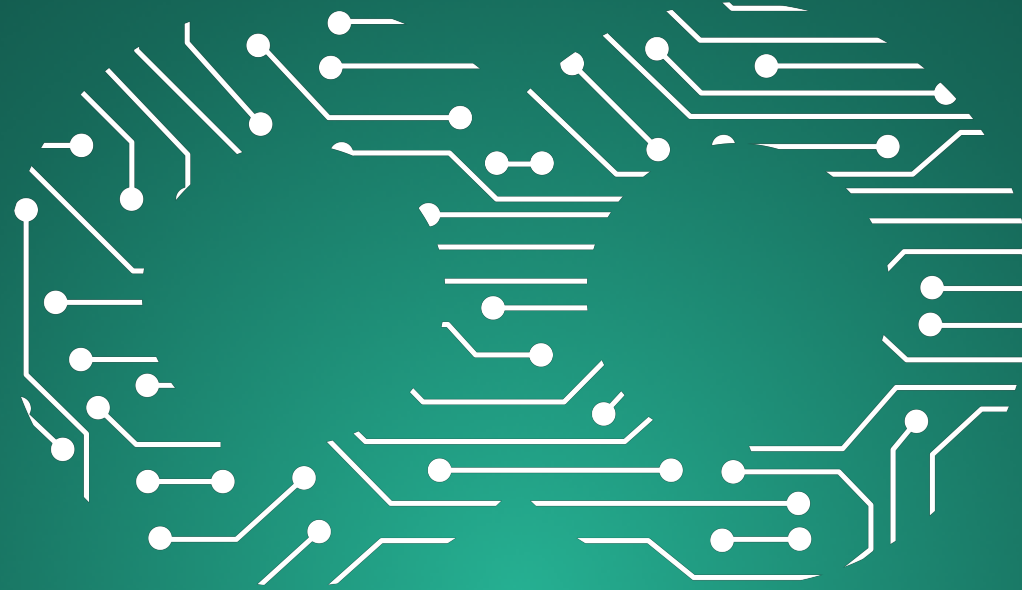
3

Evolve

unlock new modules
and features

More than **150** manufacturing companies have set out on the journey towards digital transformation with Productoo





We drive the digital evolution.

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