novacura

MANUFACTURING SOLUTIONS

Optimize your supply chain with our ERP applications

OPTIMIZE PRODUCTION AND LOGISTICS PROCESSES WITH OUR MANUFACTURING APPLICATIONS FOR YOUR ERP.
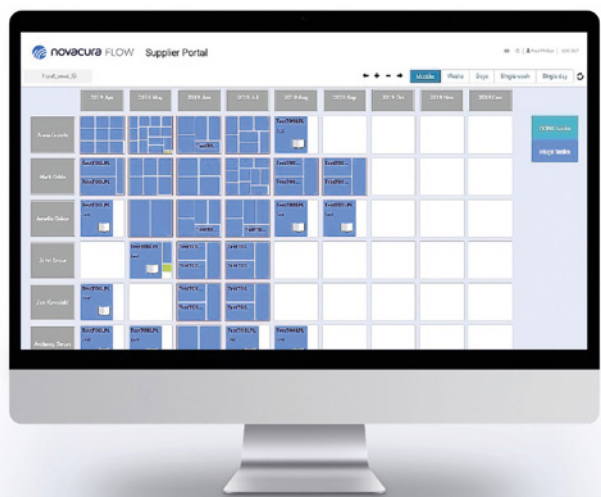
OUR COMPLETE SOLUTION:

Challenges in manufacturing don't just end on the shop floor. That's why we offer a complete package of integrated manufacturing solutions. In the following pages, we present a few examples of ERP applications we can deliver for manufacturing companies.

01. Schedule deliveries

03. Optimize picking paths

05. Incorporate maintenance and reduce downtime

02. Connect internal logistic with shop floor

04. Work mobile and report every opertation

04. Track real data & optimize the entire process

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01. SCHEDULE DELIVERIES

With Novacura Flow applications, you can plan material requisitions based on your production plans and current stock levels. It is possible because these areas are supported by one integrated solution.

You can use B2B Portal to confirm the delivery schedule with your suppliers and – finally – book a suitable time-slot for unloading!

## 02. CONNECT INTERNAL LOGISTICS WITH THE SHOP FLOOR

Your internal logistics may use the same mobile application as your shop floor operators. Therefore, all the material delivery requests, material return requests or packaging return requests issued from the work center at the production line are immediately visible to logistics operators. And when logistics start delivery, production immediately gets a status update.
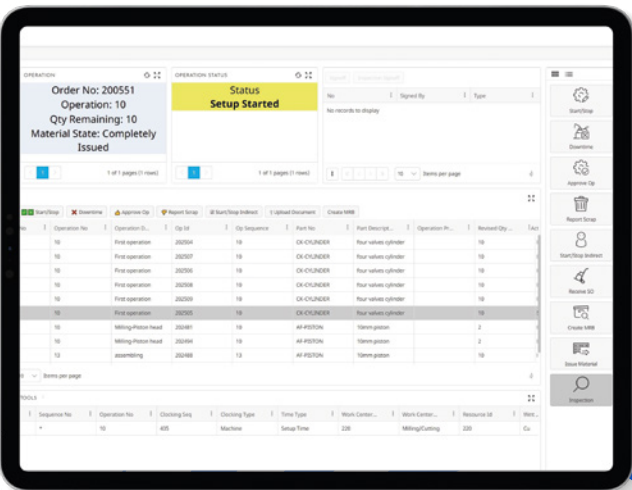
03. OPTIMIZE PICKING PATHS

Picking different materials and components for production might be complicated – warehouse operators have to gather different elements spread out across the entire inventory. And since they operate in a "JIT" environment, they are under time pressure.

In our warehouse solution (a complete mobile WMS), the operator shows picking lists in a mobile application. The solution optimizes the picking path based on the location, weight, further unload sequence, or even expiration date of particular goods. And – of course – the operators can use barcode scanners as their tool!
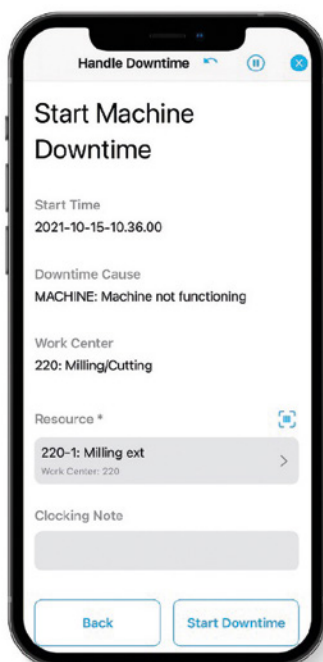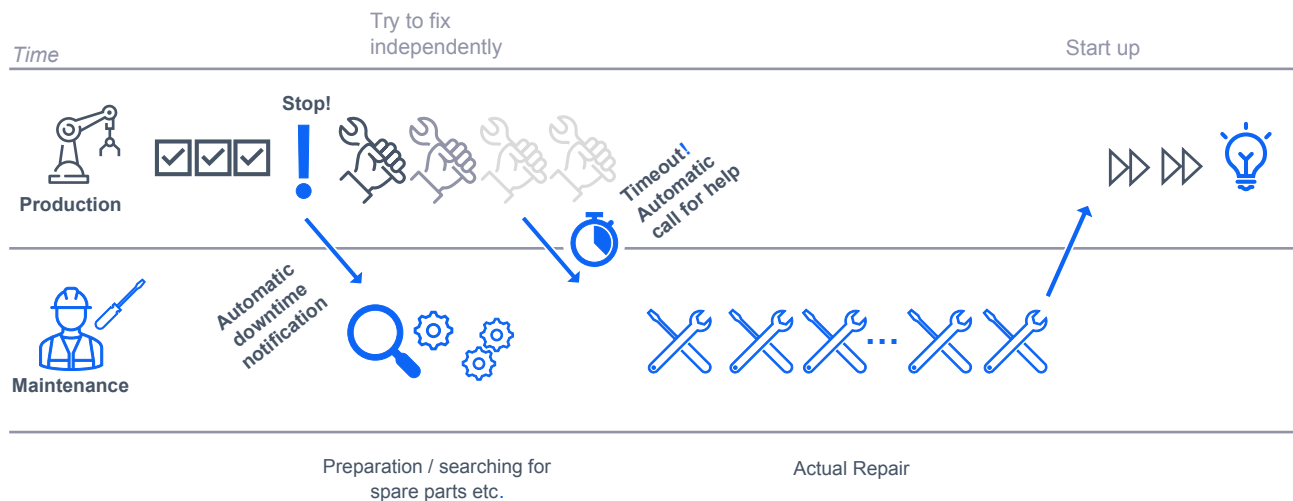

04. WORK MOBILE AND REPORT EVERY OPERATION

Thanks to the mobile shop floor application, operators get all the details about their work orders. And they get it immediately after the plan has been updated (online). Operators report their work, and the information is also sent directly to the ERP / planning system.

They not only report their direct tasks, but they can also report downtime, call for material supply, request packages, report scrap or call for maintenance. Thanks to that, managers have complete online insight into the operations and can react quickly and optimize OEE regularly.

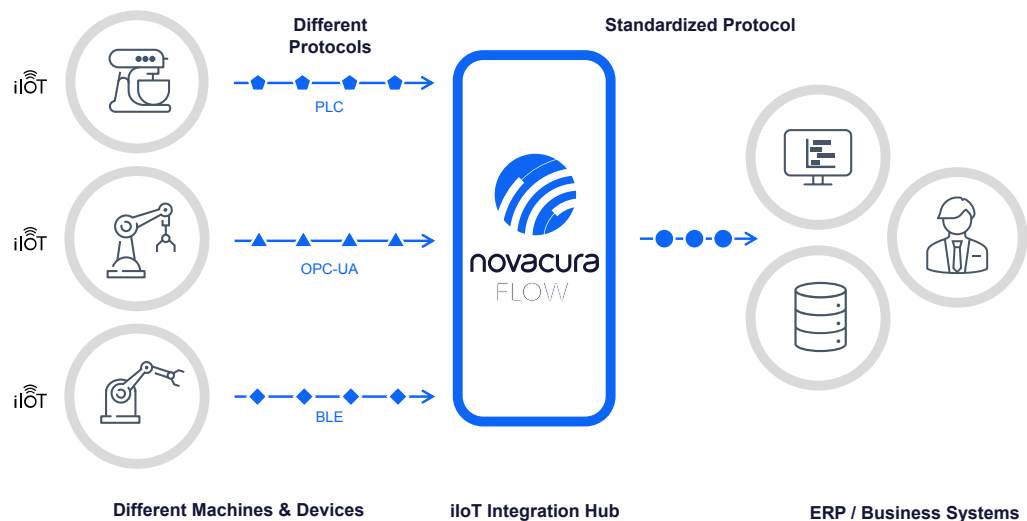## 05. INCORPORATE MAINTENANCE AND REDUCE DOWNTIME

In Novacura Flow, Production management and Maintenance management are parts of the same manufacturing solution. The service team can fit maintenance activities into production plans, even if they change every hour. Moreover, whenever downtime is identified on the shop floor, the maintenance team can be automatically notified in the mobile application and start activities before the machine operator starts calling for help. That will help reduce MTW.

Time

Try to fix independently

Start up

Stop!

Production

Timeout! Automatic call for help

Automatic downtime notification

Maintenance

Preparation / searching for spare parts etc.

Actual Repair

06. TRACK ACTUAL DATA & OPTIMIZE THE ENTIRE PROCESS

With the Novacura Flow applications, Production efficiency can be precisely measured – you can gather information from all departments that use mobile applications and read them directly from your devices.

Novacura Flow is equipped with different industrial connectors (BLE, OPC-UA, PLC, RFID) which allow it to read other online information from other devices and machines.

Different Protocols   **Standardized Protocol**

PLC

OPC-UA

BLE

Different Machines & Devices   **iIoT Integration Hub**   **ERP / Business Systems**

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LIST OF SUPPORTED AREAS:

Below we summarize the list of areas supported by our package of ERP applications for manufacturing companies.

01: MAINTENANCE

- Maintenance tasks planning
  – Integration with production plans
- Mobile Work orders for maintenance (preventive & reactive)
- Tools management
- Spare parts management
- Maintenance subcontractors management (incl. financial settlements)

03: INTERNAL LOGISTICS

- Material delivery
  (JIT, up to particular production sequence)
- Different picking strategies support (FIFO, FEFO, LIFO)
- Warehouse <> Shop floor transportation management
- External inventory usage optimization
- Material returns management (from production)
- Finished goods transportation

02: SHOP FLOOR OPERATIONS

- Mobile shop orders processing
- Reporting (Time, Material, Scrap etc.)
- Logistics requests
  (material requisitions, returns, package requisitions)
- Downtime reporting
- Defects reporting
- Maintenance calls
- Staff management

04: INVENTORY OPERATIONS

- Material storage (material moves, handling unit management, traceability)
- On-the-fly Inventory counting support
- Picking paths optimization
- Outdated materials / Scrap management
- Barcode labels management
- Full support for barcode scanners

05: PRODUCTION PLANNING / SCHEDULING

- Long Term planning (S&OP, Demand, Master etc.)
- Short Term planning (Capacity, Material)
- Repeatable / discrete production support (BOM based)
- Contractual production support (configure to order based)
- Daily Plans updating based on real execution

06: DELIVERY & SHIPMENT MANAGEMENT

- Stock level management based on production plans
- Delivery planning & management
- Financial settlements with suppliers and customers
- Finished goods inventory management
- Shipment planning
- Transportation management
- Returnable packaging management

07: AUTOMATION / TECHNOLOGY

- Industrial IoT (IIoT) / Industry 4.0 support
- Connectivity (OPC-UA, PLC, RFID / BLE)
- Integration between machines and ERP – real performance statistics processing
- Support for various ERPs (IFS, Infor M3, IBM Maximo, SAP and more)
- Computer Vision
- Augmented Reality based support

08: PRODUCTION SUPERVISION

- KPI Dashboards
- Visual "Info-Screen" on a Shop floor
- OEE evaluation
- Defects analysis / traceability
- Supplier stats analysis
- Material usage analysis (performance vs technology)
- Continuous improvement support (thanks to the low-code process modeling technology)

… and a lot more!

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OUR SOFTWARE PLATFORM:

We care not only about business capabilities, but also about technical aspects and features. Below are the key characteristics which differentiate our offer from a ready-made manufacturing solution.

01. INTERFACE OPTIMIZED FOR THOUSANDS OF OPERATIONS PER DAY

Our applications run on a sophisticated software platform – Novacura Flow. One of the key foundations of this platform is to run on every device – from barcode scanners, via mobile phones and tablets, to desktop workstations equipped with large screens.

But we are not just another SaaS software that offers that. We have optimized our user interface for users that work on a shop floor, in a warehouse, or in the field. We know that every "click" matters for these people because they run 1000+ operations a day!

novacura FLOW

02. READY FOR CHANGES THANKS TO ITS LOW-CODE CORE!

Every company is different from the other. You might have specific processes and require unique features and we are ready for that! We created our applications for manufacturing based on the low-code platform.

Our applications are not hard-coded so our customers can modify them or clone them and create variants. And they can build their own applications. And thanks to the low-code engine they can create applications by drawing them like they draw a business process.
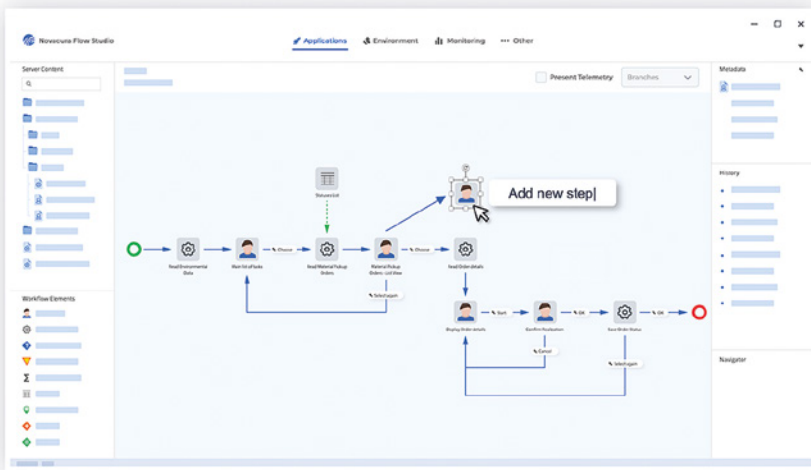
03. INTEGRATION WITH ERP. DEEP INTEGRATION!

Our low-code platform Novacura Flow and industry applications can play a vital role for a manufacturing company. But we are not forgetting about the ERP!

We treat the ERP system as a primary system – all the master data, operations and reported information is stored there. And everything that users do in Novacura is immediately visible in the ERP! It´s possible because our platform has specialized online connectors to ERP systems. You can think about Novacura Flow as an alternative, mobile and efficient user interface for your ERP. Thus, you can easily adopt Novacura Flow without changing the surrounding processes which can still run in your ERP!

ERP system
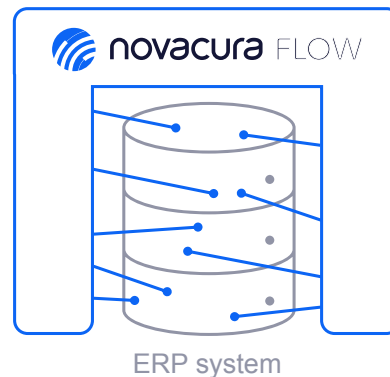
OUR CUSTOMERS:

220+ customers: all continents, big companies, and various industries!

maxon   fortum   Statnett   DAMEN
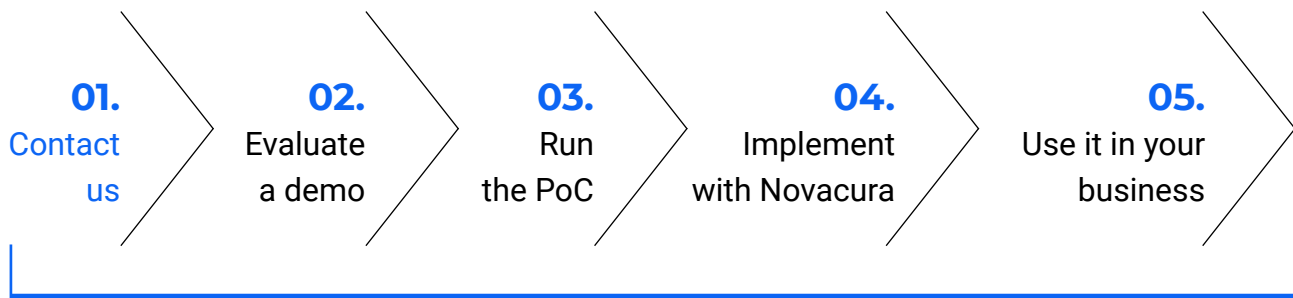
pesa   MINCO   JULA   Specma

TOYOTA   SRKP   MAERSK DRILLING   HOLMEN

THE IMPLEMENTATION IS SEAMLESS AND RISK-FREE:

The implementation process takes less time than usual. We have a solution that can be easily integrated with existing systems.

01.
Contact us

02.
Evaluate a demo

03.
Run the PoC

04.
Implement with Novacura

05.
Use it in your business

ALL FULLY SUPPORTED BY NOVACURA

ABOUT NOVACURA.

Novacura is a software company that has been providing solutions to various industries for almost 20 years. We have offices in 10 countries around the world. We share our knowledge and expertise with our customers to help them increase their operational capabilities.

Our team of more than 150 experts works every day to identify our customers' needs in order to find the right solution. We work to increase the business value of our customers' services with proven solutions that have already successfully helped more than 220 customers in various industries.

OUR ADVANTAGE

SOFTWARE SOLUTION

for selected industries

powerd by
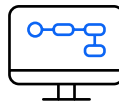
LOW-CODE TECHNOLOGY

dedicated to selected ERPs

supported by
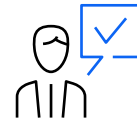
CONSULTING SERVICES

from implementation to maintenance

AWARDED IFS PARTNER

Novacura has been a partner to IFS since 2015.Our Channel Partner Agreement includes the Nordic region (with the Baltics) where Novacura will Resell and Co-sell IFS Cloud.

Novacura was awarded the IFS Channel Partner of the Year in 2017, 2019 and 2022. This is a very exclusive status that is only given to the best IFS partners.

IFS
Channel
Partner of the Year
2022 Winner
novacura

1 MISSION

Streamline our customers' processes with mobile and fully-adaptable software solutions!

10
Countries

220+
Customers

2005
Establishment date

150+
Employees

18M $
Revenue in 2021

16
Offices

**LERN MORE
& CONTACT US**