

This central monitoring system, which can be either cloud-based or installed on the premises, uses the PLCs installed in machines to monitor (with remote operation if necessary) the production status of your machine tools and increase production efficiency, with a corresponding reduction in expenditure for man-hours.

EUEI has developed Production Sentinel, a solution dedicated to businesses in the mechanical engineering and manufacturing industry, which detects (through the PLCs installed in the machines) the operating and production status in total visibility mode, at any time and from anywhere, in order to help you reduce downtime.

095 Hermie C60	094 Mazak J-400
093 Hermie C400	098 Mazak FJV-250
100 Fanuc a-C400IA	092 DMG NMV8000
096 Mazak IVS-200	106 Hermie C400
103 Haas UMC-750	108 Fanuc a-S100IA
090 Mazak IVS-200	097 Fanuc a-S100IA
111 Fanuc a-C400IA	099 DMG DMF 180
104 Fanuc a-S50IA	105 DMG NMV8000
109 Mazak FJV-250	101 Mazak Orbitec 20
102 Mazak IVS-200	112 Mazak Orbitec 20
107 Mazak IVS-200	091 Fanuc a-S50IA
110 DMG DMF 180	113 Hermie C400

With Production Sentinel you can keep the production situation of your machines monitored, in real time, in order to be able to make the right decisions and establish the right priorities so as to restore machine operation. Information provided includes machine operating status, production parameters, output, and causes of downtime for each machine and can be viewed on an easy-to-read panel. You can monitor production in real time with any mobile device, smartphone or tablet, avoiding the need for extra devices and equipment for this purpose.

### With Production Sentinel you...

#### are always on top of things

You can always know how your machines are working, checking their status with the monitor installed in the production area or in the engineering department. You can monitor production remotely too, since - with the data safely stored on the cloud - you can access it from any mobile device, smartphone or tablet, enabling you to make the right decisions and optimise production.

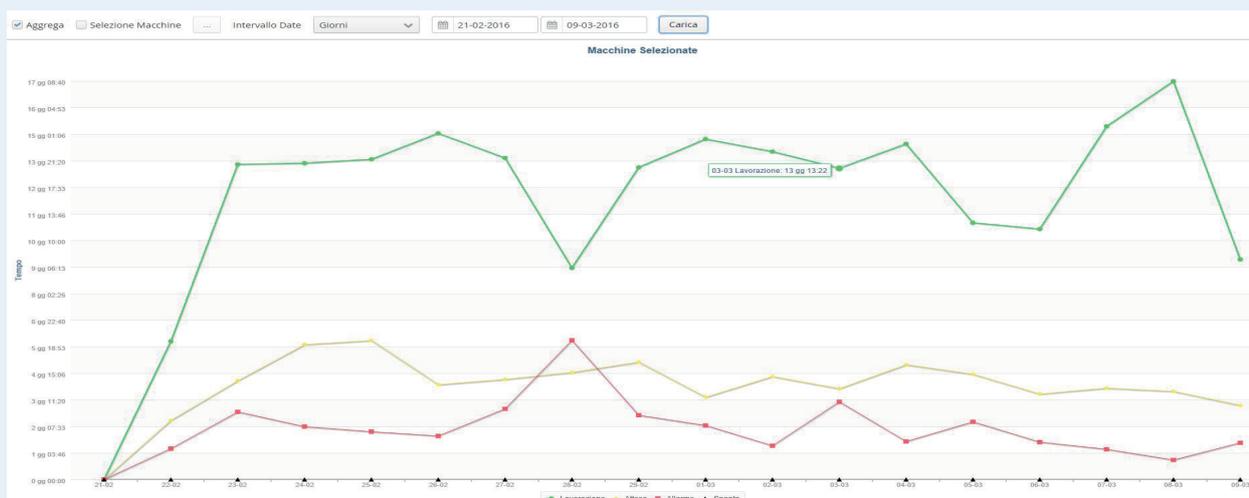
#### can convert data into useful information

Production Sentinel collects data from the PLC and converts it into readable information which can help to understand the status of processing, faults and operations in general. The solution is extremely flexible and can be customised to fit the most complex needs.

#### integrate your ERP software

Production Sentinel is easily integrated with the most widely used authentication systems and ERP software, which means you do not have to enter your credentials time and time again. It can also display the operator assigned to the machine.

## Features of Production Sentinel



### Admin panel

This dashboard provides a breakdown of the parts due for processing, including the job code, the stage of the process, the staff member assigned to processing, and the date and time it was loaded onto the system. The panel is fully customisable and stores all the operations carried out previously.

### Role-based access

There are essentially three roles, and of these, the administrator can access and configure the control panel, adding the users, and edit the entire panel according to requirements. The operator can work within the parameters set by the administrator and the user has read-only access.

### Flexible view

The interface can be customised so that the panel displays the machines which need consideration by the production department.

### Multi-channel display

Machine status alerts can be displayed on the browser as push notifications, or sent out via SMS and email services, as per your needs. Notifications refer to individual events (e.g. machine alarm status) and can be sent to various recipients.

### Also available in cloud mode

This solution is the only one of its kind to offer a cloud-based version, available as Software-as-a-Service (SaaS). This application can be either installed on the premises or provided via cloud-based technology. All the same, Production Sentinel is also available as SaaS for users with a high number machines.

### Quality

Production Sentinel helps you ensure your production processes meet quality standards.

### Intuitive interface

This solution is developed in HTML5, which makes the graphic interface and the layout easy to read and innovative.

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### Multi-device and multi-platform

The machines operating statuses can also be displayed remotely via smartphone or tablet, on all platforms.

## MECCANICA GN works with Production Sentinel



World leader in high-precision mechanical machining and manufacturer of equipment for the automotive, sports, aeronautical and biomedical industries, MECCANICA GN uses Production Sentinel to monitor all its machine tools, which must always be available because the products they manufacture (which are never commonplace) require considerable high-level technical capabilities.