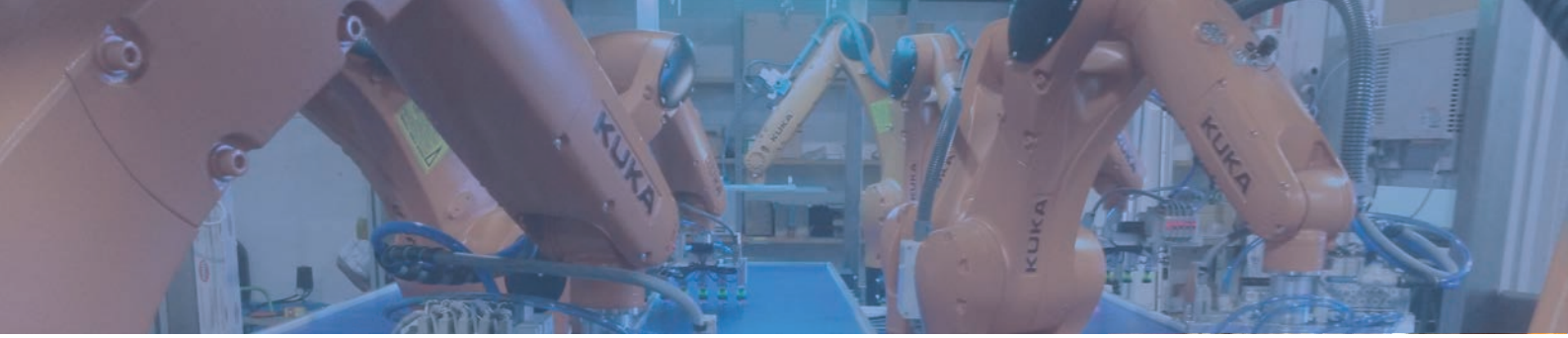

PLANT EFFICIENCY CONTROL SYSTEM

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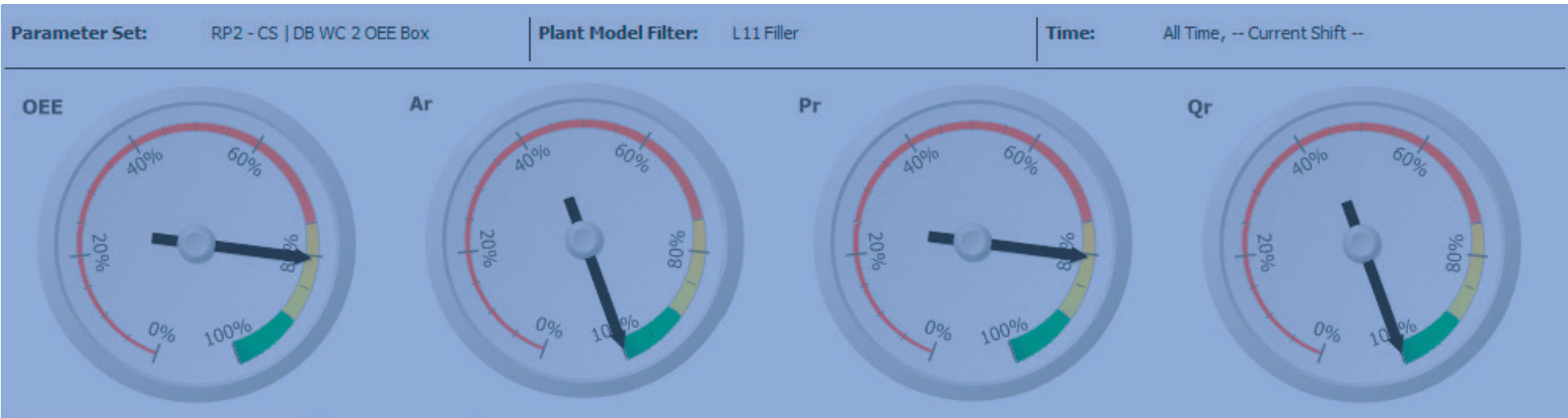


Plant Efficiency Control System

DESCRIPTION

The **Plant Efficiency Control System** monitors plant equipment and provides accurate, timely, granular and specific information about production, performance and machine activity.

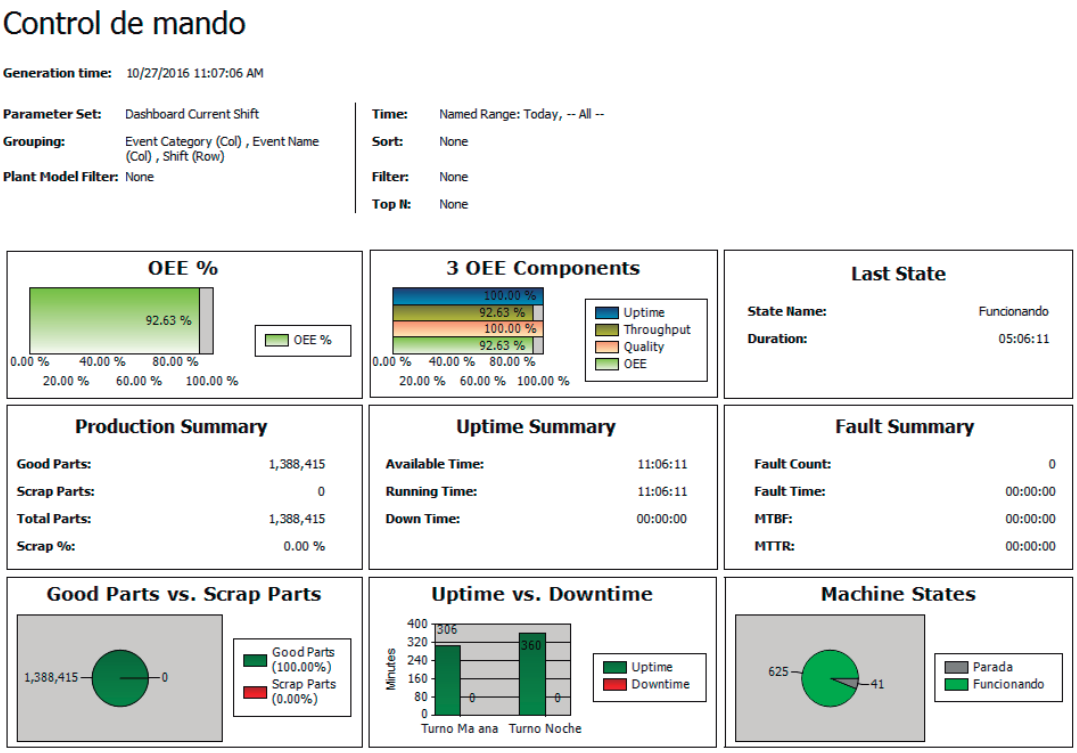
This information is the basis for understanding the real causes of efficiency problems, waste, loss of capacity and higher costs.

MACHINE TERMINAL

An operator information and interaction terminal placed on each machine makes it easier for the latter to enter data and monitor the different states and situations that may occur, while collecting all the information necessary for subsequent analysis.

Plant Efficiency Control System

Collects real-time information to measure and improve production asset performance and overall equipment efficiency (OEE).



BENEFITS: Reduce costs and increase profitability

For manufacturers, the fastest way to reduce costs is to use existing production equipment more efficiently. The key areas are: reducing machine downtime, achieving optimum performance and increasing quality.

With our Plant Efficiency Control System you can generate the following benefits:

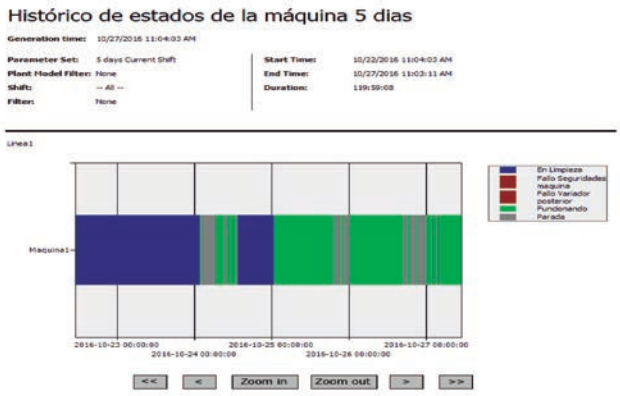
- Increased capacity. More products, revenues and benefits in the same amount of time.
- Lower manufacturing cost. Reduced overtime, labor costs and unit costs.
- Postponement of capital expenditures. Increased production of your current equipment.
- Decrease in general expenses. Time savings in data collection and report preparation.
- Continuous optimized improvements. Accurate data revealing areas for improvement.

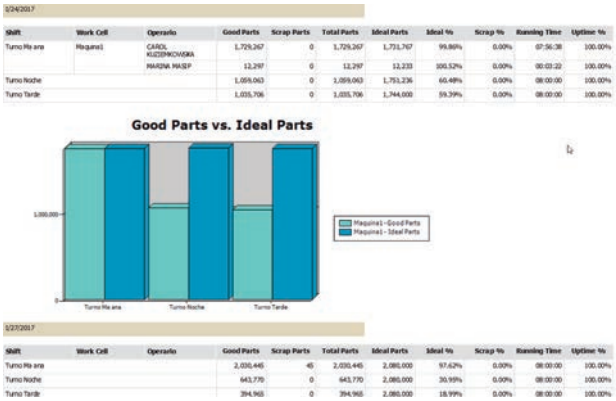
Plant Efficiency Control System

BENEFITS: Machinery event control

It is possible to monitor an unlimited number of machine events for each configured work cell. Data collected for each event can be included:

- Event triggers.
- Event values or reason codes.





BENEFITS: Data Collection

The Plant Efficiency Control System only requires some data points from the control system to calculate total equipment efficiency (OEE) and other predetermined KPIs:

- Total/Accepted/Rejected Production Counts.
- Part identification and ideal cycle time.
- Shift and status available, defined by time patterns or availability and shift data points.
- User-defined fields or 'flexible fields', such as operator, work order, batch, etc.
- Operation indicator.

BENEFITS: Report Settings

It includes 69 pre-configured reports and users have the ability to create parameter sets to apply to standard report templates to customize both report content and behavior, all through a simple web-based interface.

The configurable data in the parameter sets are:

- Time filters (date range, relative time, shifts, time filters with assigned names).
- Groups (groups of pages, rows and columns for more than 25 data fields).
- Classification (for more than 69 data fields).
- Plant model filters (for any work cell, line, area, etc.).
- Filters by data values (for more than 18 data fields).
- Top N filters (for more than 69 data fields).

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