

SMART

EFFICIENCY

AUTOMATIC DATA CAPTURE SYSTEM IN PLANT

www.smartleansolutions.com

Are my devices/machines operating at full capacity? Do I know what the real potential of my factory is?

Automatic data capture system in plant. It monitors the efficiency of production processes, identifies the causes of machine shutdowns and rejections and improves performance with reliable real-time information.

The OEE (Overall Equipment Effectiveness) measures the operational efficiency of the equipment. It is a very valuable indicator that allows to know the real capacity to produce with quality, the performance of the process and the availability of the equipment.

A 100% OEE reflects an optimal production process: at maximum speed, without defects or stops. However, in most cases, the efficiency is less than 70%, which means that there is a lot of margin for improvement.

The efficiency calculation applies to automatic or semi-automatic processes that must have a defined standard of work beforehand.

Why is it important to measure the OEE?

- It allows to know the real productive capacity of the plant and make informed decisions
- Detect process deviations from work standards and identify the causes to eliminate them
- Check the effectiveness of improvement actions and measure the progress of continuous improvement



Our platform

Smart EFFICIENCY is an automatic data capture system in plant. It monitors the efficiency of production processes, identifies the causes of machine shutdowns and rejections and improves performance with reliable real-time information.

FUNCTIONS

The main functions of this solution are:

- **Automatic data capture.** Smart Efficiency offers real-time information on the overall efficiency (OEE) of machines and lines, Records stops and quality rejections, as well as their causes.
- **Monitoring.** Monitoring the behavior of production processes. Calculate the real productive capacity of the equipment by time intervals: hour, shift, day, etc. and allows identification of improvement opportunities.
- **Graphs and statistics.** Prepare and export reports on the progress of the processes. It automatically generates graphs of the evolution of the indicators and the Pareto of causes of stops and rejections.



Advantages

MOBILITY:

ACCESS THE INFORMATION OF THE EQUIPMENT AND LINES THROUGH A MOBILE DEVICE

- OBTAIN ACCURATE INFORMATION ABOUT THE OEE, STOPS, QUALITY REJECTIONS, PRODUCTION ORDERS IN A SIMPLE AND VISUAL WAY

IDENTIFY OPTIMIZATION OPPORTUNITIES TO ENSURE THAT THE EQUIPMENT WORKS AT FULL CAPACITY

BE INFORMED TIME REAL ABOUT HOW YOUR EQUIPMENT AND LINES ARE OPERATING

CONTROL COSTS:

KNOWING THE REAL PRODUCTIVE CAPACITY HELPS DETERMINE WHETHER TO INVEST IN NEW MACHINERY AND DO IT PROPERLY

REDUCES DOCUMENT MANAGEMENT AND SAVES TIME WHILE FACILITATING THE WORK OF THE HUMAN TEAM

PIT ALLOWS DEFINING A STRATEGY TO IMPROVE AVAILABILITY, EFFICIENCY AND QUALITY AND THUS MAXIMIZE THE ECONOMIC PROFITABILITY OF THE PROCESS