



BEFESA

Performance, centralisation and data analysis thanks to COOX MES

BEFESA VALERA, European leader in the recovery of residues from stainless steel manufacturing, has a briquetting plant at its historic site in Gravelines. This plant plays an essential role in the production process, as it transforms metallurgical dust into ingots that can be recycled for use in steel production.



Objectives

Be able to improve equipment performance and reduce the most costly breakdowns

1. Monitor performance indicators in real time
2. Analyse the causes of downtime and rejects
3. Know exactly how many breakdowns there are and how long they last
4. Optimise maintenance downtime planning

Integrated by A2SI

BEFESA

PLATINIUM



Key figures

- 1 bricklaying workshop
- 2 submerged electric arc furnaces
- Production capacity of over 150,000 tonnes
- 80 employees
- 500 hours of work for the A2SI teams
- 0 incidents during installation



Implementation

- In order to improve the performance of its equipment, BEFESA chose the COOX platform and its QPI (Quality & Performance Indicators) module to manage its production site.
- To ensure quick adoption of the application, integration partner A2SI developed a customised MES (Manufacturing Execution System) application dedicated to monitoring the overall equipment effectiveness (OEE): this allows downtime, production losses and causes of malfunctions to be identified quickly and accurately.



The application

Thanks to the COOX platform and the QPI (Quality & Performance Indicators) module, the application allows you to supervise all stages of production, measures machine performance and monitors all production performance indicators in real time.

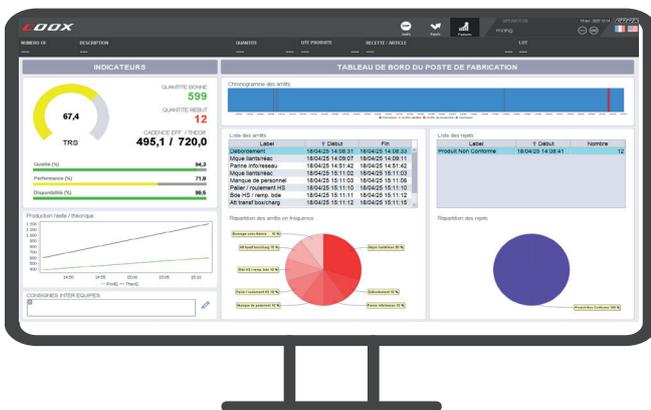
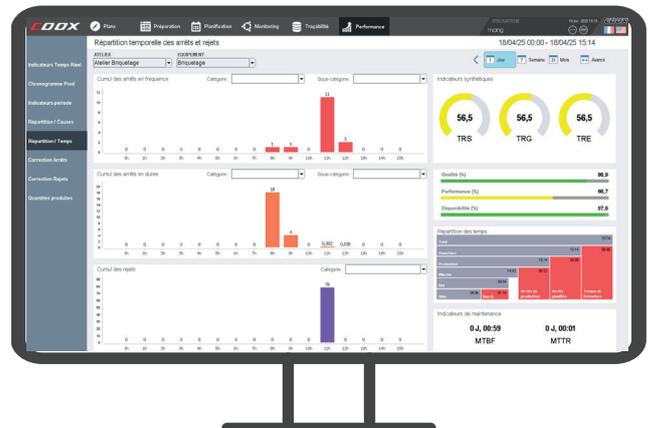
The COOX application provides:

- Production supervision with real-time visibility of performance indicators
- Detailed analysis of the causes of stoppages and rejects
- Reduction of the most costly breakdowns
- Optimised planning of maintenance stoppages
- Centralisation of data from the briquetting workshop
- Monitoring of machine status



Benefits

- Better visibility of performance: detailed monitoring of key indicators
- Optimised intervention planning: anticipation of maintenance downtime
- Reduction in losses



By developing this application, we showcase our ability to help industry in the digitalising and optimising their production and industrial process performance.

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