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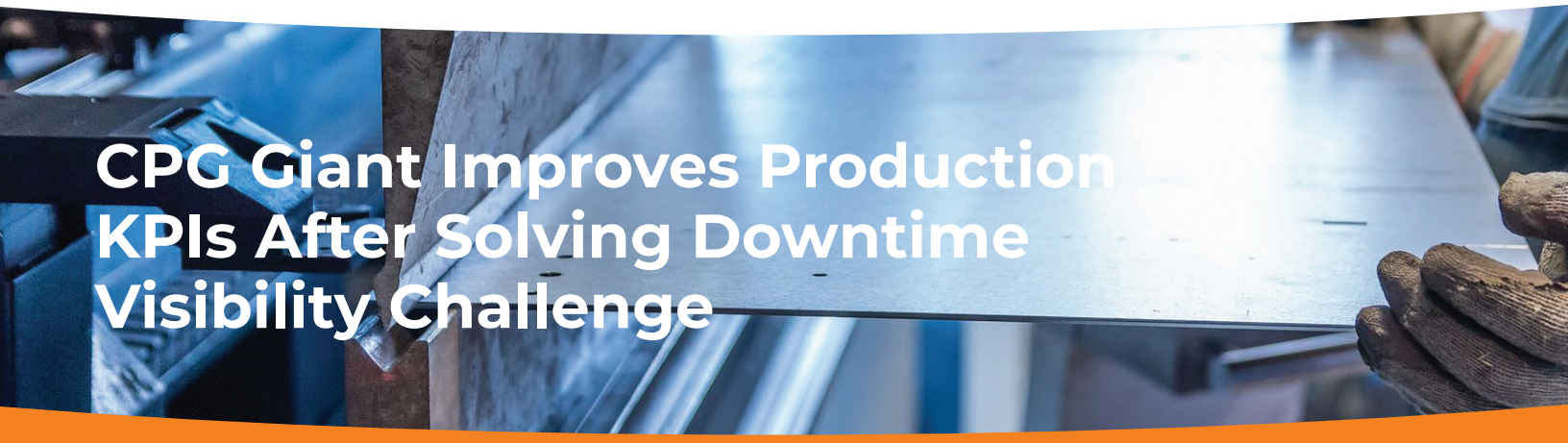


CPG Giant Improves Production KPIs After Solving Downtime Visibility Challenge

100%
100% capture of downtime reasons

3%
3%+ improvement in OEE

8
8 week implementation timeline

About the Company

This consumer packaged goods (CPG) giant offers a diverse portfolio of consumer essentials. Their brands have been in homes for over 75 years. The company is a fully integrated manufacturer and distributor of primary and value-added products. They have 100 global factories.

Challenge

The company had very little visibility into their downtime events. Despite being discussed at the weekly meetings, the plant had difficulty tracking these costly production interruptions because there was no complete history. The process for recording the events was a series of manual processes without standardized metrics. The operator wrote down the reason(s) on paper. The document was given to a clerk to be entered into a spreadsheet. However, the operators did not always have time to submit the document, or the process was skipped if they were busy.

There was also no visibility into why the company was having scrap issues or what the reasons were. Additionally, the Overall Equipment Effectiveness (OEE) was calculated manually. This process did not provide the level of trust in the metric needed to make critical decisions.

The objective was to improve the access to real-time information about their production equipment for better decision making and troubleshooting. The CPG company decided to implement a solution that would automatically capture downtime incidents and the reason(s) as the event happened. The project would create a single version of the truth by integrating various information sources into one portal.

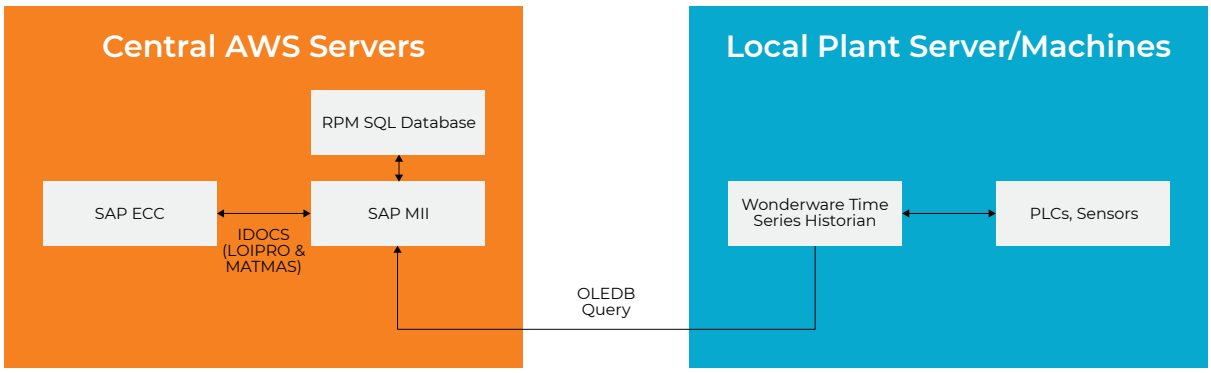
Solution

The CPG company selected the Movilitas Real-Time Production Management (RPM) accelerator as its solution for the migration of two production lines as a pilot. This solution is a cost-effective package that provides a single user interface for SAP, production, labor, and maintenance. This built-for-MES software enables access to real-time key performance indicators (KPIs) updates for manufacturing process improvement.

The project was delivered within eight weeks and the transformation was immediate because of the access to real-time data. All operators, supervisors and plant managers used the Movilitas RPM system for retrieving their reports and updates. Additionally, the company requested more features that were easily implemented.

Below is an example of the architecture used for connecting to the production PLCs, historian and SAP.

Sample RPM Architecture



Key Outcomes

The CPG company now has complete visibility into their downtime and scrap events. There are automated confirmations to SAP which simplifies the process. The automation has also eliminated the paper shuffling and any associated data entry errors or missing records.

Their KPIs including OEE are available in real-time without any manual calculations. These metrics from the Movilitas RPM system are shown around the plant on large scoreboards. Reports and updates can be easily accessed via any device making decisions and troubleshooting easier. Additionally, the company pulls some data from the Movilitas RPM and Wonderware systems into their Power Business Intelligence (BI) dashboards and reports.

As a result, the company has decreased their downtime, reduced scrap and increased their throughput. Their OEE has increased by several percentage points (3%+). There are plans to apply the data in other areas of their operation. After this successful pilot, the company expects to implement Movilitas RPM to similar lines at multiple plants.