



Tetra Pak helped Brazilian dairy producer Laticínios Jussara become a benchmark for efficiency and industrial management in its sector by implementing Total Productive Maintenance program resulting in cost savings of more than €1.3 million



Customer

Brazilian dairy producer Laticínios Jussara.

Challenge

The customer wanted to improve equipment performance, predictability and organisational culture in one of its plants.

Solution

Implementation of Total Productive Maintenance (TPM) to identify improvement opportunities and to eliminate losses. At the same time, automated data collection was implemented support a higher standardisation level.

Results

In three years, the efficiency of production lines (Production Time Utilisation or PTU) has increased more than 10 point percentage, with costs savings of R\$6 million (more than €1.3 million). Overall, the return on investment is well over 50%.

Customer challenge

The plant produces more than 365 million packages for a wide portfolio, reaching thousands of homes throughout Brazil. However, an industry comparison showed that its equipment performance ranked last in the country, presenting problems related to unplanned stoppages and production losses. The issues are partly due to low predictability and manual data collection, but, on the other hand, the plant also needed to improve its organisational culture since there were issues such as KPIs not being measured, and operators performing manual tasks without checking to see if the equipment was idle or in operation.

Our solution

Total Productive Maintenance (TPM) was implemented to identify improvement opportunities continuously and elevate the plant's productive capacity, increasing Overall Equipment Effectiveness (OEE) and eliminating losses, waste and unneeded processes. TPM technique was combined with training and monitoring production process using the TPM methodology. Automated data collection was to support a higher standardisation level.

Results achieved

In three years, the plant has increased the efficiency of production lines (Production Time Utilisation or PTU) more than 10 point percentage, while reducing packaging loss, with a total saving of R\$6 million (more than €1.3 million). At the same time, the plant enjoys improved predictability, and decision-making is faster. TPM has become an engagement factor among employees, securing their full commitment. Overall, the initial investment has produced a return of well over 50%.

The key principles when implementing TPM are:

- Secure that the current situation in terms of performance, cost and risk is clearly defined
- High focus on the foundation, to enable deployment of methodologies in a sustainable way
- Use Daily Management System (DMS) to create people empowerment
- Involve the whole organisation, from left to right and top to shop floor
- On-site hand-in-hand coaching and audits by Tetra Pak



Customer case

Brazilian dairy producer Laticínios Jussara.

Challenge: Improve equipment performance, predictability and organisational culture in the plant.

Solution: Implement Total Productive Maintenance (TPM). TPM technique was combined with training and monitoring production process using the TPM methodology. Digital tools were also used to collect and analyse the data.

10
point percentage

Increase in efficiency of
production lines (Production
Time Utilisation or PTU)

Over
€1.3 million

Cost saving

Over **50%**

Return on initial
investment

Tetra Pak® Services

Tetra Pak® Services cover every aspect of your food production, from daily routines to business insights. Our tailored service solutions improve performance, optimise costs and ensure food safety throughout the lifecycle of your operation. With Tetra Pak as your partner, you get the people, portfolio and presence to achieve your performance goals.

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