



THE KEY PERFORMANCE

With Tetra Pak® Expert Services, some of the finest analytical minds in food manufacturing help you evaluate operational performance so you can stay on track in business. TPM improves full plant performance by identifying your exact challenges, losses and waste before eliminating them. This comprehensive maintenance program is thereby an optimal way to strike a balance between performance, cost & risk. Through this, TPM is an excellent opportunity to help reduce costs across your entire production line and make room for continuous improvements and growth. This further enables you to limit your environmental impact while securing product quality as it helps you reduce waste and energy consumption.

Your key to enhancing your plant's entire operations

Total Productive Maintenance by Tetra Pak® Expert Services

WORLD CLASS MANUFACTURING

With our Expert Services, you can get access to our most comprehensive maintenance methodology to date, Total Productive Maintenance (TPM), which is so effective we use it ourselves in our converting factories. Also referred to as World Class Manufacturing, this methodology begins with establishing your exact needs and objectives and requires everyone to be involved – from top management to line workers.

This collective input and collaboration provides a complete overview of all potential areas for improvement, and strengthens motivation and sense of responsibility to meet your operational goals – whether it be plant efficiency, increased product quality or a complete sustainability transformation.

A RANGE OF TRAINING OPTIONS

With TPM, all staff is involved in the process and this engagement is the cornerstone of the service methodology: it goes way beyond just theory. Instead, it encourages practical learning and implementation to achieve real results. Whatever the size or maturity of your operations, TPM can help you ensure fewer losses and be the catalyst for continuous improvement to general operations, your environmental impact and product quality. Your TPM journey starts with just a small step and consists of three primary phases. In the first, we measure your performance and develop a baseline for identifying areas of improvement and future recommendations. Next, we leverage the largest industry installed base to benchmark your performance against your peers to define the desired position, capabilities and assets. The final step involves identifying and prioritising activities to enhance capabilities through on-site, hands-on coaching, and audits. And we stay with you until the very last step of the journey by driving implementation and comparing your end results to the established targets.

BENEFITS



Overall productivity and efficiency improvements helping cut costs



Increased quality control and delivery reliability



Environmental benefits, including reduced energy and water consumption



Enhanced staff engagement and sense of responsibility

CASE

A large dairy plant in Asia wanted to expand its continuous improvement activities and improve quality in all plant loss areas. The dairy undertook a full TPM, which was three-year process and involved all employees and equipment. We helped the customer establish relevant KPI's and an efficient continuous improvement methodology. This was implemented by training and coaching different teams across the customer's organisation.

The accumulated direct savings, not counting benefits from additional capacity, between 2014 and 2016 totalled more than €9 million. Overall Equipment Effectiveness increased from 70% to 80% over three years, and the high level is sustained thanks to the implemented routines. Additionally, the customer's productivity increased by 230%.



**TOTAL SAVINGS
MORE THAN €9 MILLION**