



HIGH VIBRATION WIRE SCREEN

APPLICATION CASE STUDY

SMART FACTORY > Sustainability & Efficiency

SITUATION:

Since 2011, a European global company has focused on transforming to a smart factory to achieve more sustainable and environmentally friendly production by increasing efficiency. Smart factories contribute to CO₂ savings by making production processes more efficient.

PROBLEM:

- > Need for increased production efficiency while reducing environmental impact.
- > High energy consumption due to inefficient processing methods.
- > Frequent downtime and resource waste in production.

SOLUTION:

In addition to digitalization measures, and the integration of new technologies such as:

- > MineOptimization # ALTEIA
- > VisionLink Productivity # Caterpillar
- > PLC plant control # Wöhwa

In 2016, the multinational facility switched to MAJOR (OptimumWire) and FLEX-MAT and immediately noticed the significant increase in service life, combined with less downtime due to wire breakage. MAJOR and its screens have undoubtedly contributed to the positive development. The integration of MAJOR Woven Wire screens and FLEX-MAT technology has further optimized our screening process, increasing production rates and reducing operational costs.





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BENEFITS:

- > Reduced unnecessary resource use, minimizing waste and CO₂ emissions.
- > Improved machine utilization, reducing wear and increasing lifespan.
- > More sustainable and environmentally friendly production.

TESTIMONIAL:

“By integrating MAJOR Woven Wire screens and FLEX-MAT into our smart factory, we have drastically improved our sustainability efforts. Reduced downtime, optimized energy use, and increased efficiency mean that we not only produce more but also waste less. Our carbon footprint is lower, and our production is more resilient than ever. Investing in this technology is an investment in the future of sustainable manufacturing.”

***REDUCED DOWNTIME, OPTIMIZED ENERGY USE, AND
INCREASED EFFICIENCY MEAN WE PRODUCE LESS WASTE.***