



HIGH VIBRATION WIRE SCREEN

APPLICATION CASE STUDY

SMART FACTORY > CO₂ Emissions Reduction

SITUATION:

A leading industrial producer sought to reduce its carbon footprint while maintaining high production efficiency. Traditional screening solutions consumed excessive energy due to inefficiencies, leading to high CO₂ emissions and increased operational costs. The company aimed to implement a solution that would optimize screening performance while minimizing environmental impact.

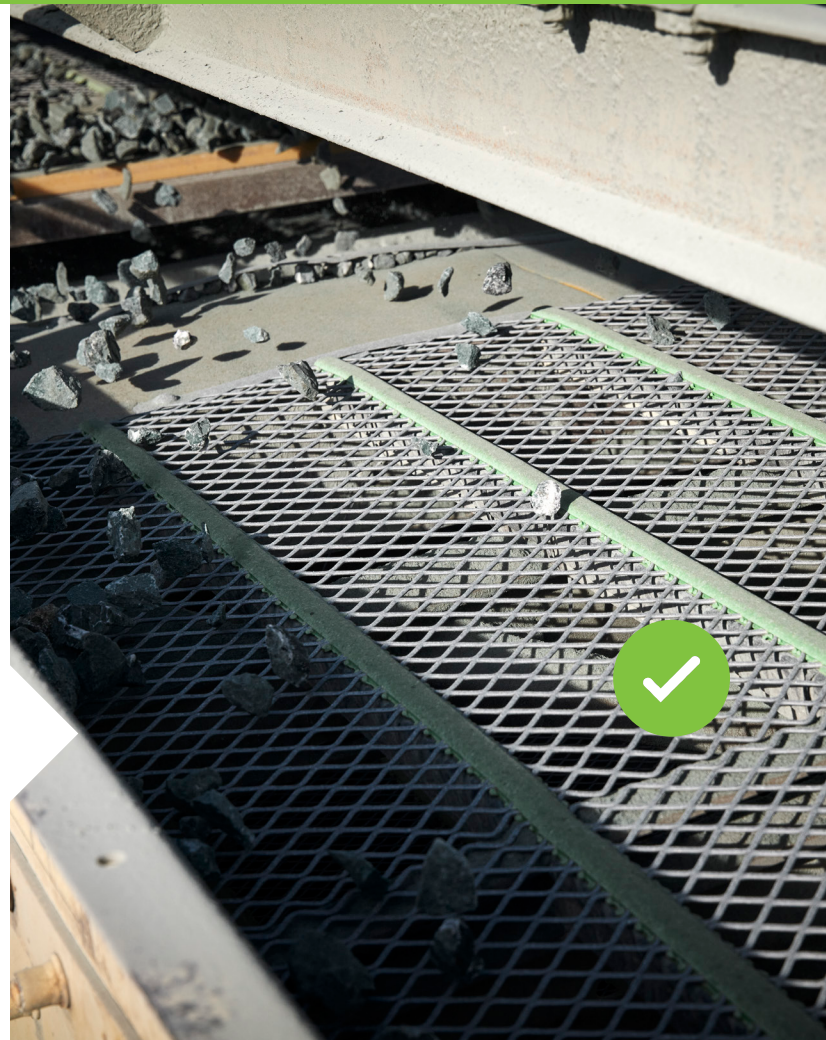
PROBLEM:

- > High energy consumption due to inefficient screening.
- > Frequent maintenance and cleaning leading to increased downtime.
- > Excessive CO₂ emissions from prolonged machine operation.
- > Need for higher throughput without increasing environmental impact.

SOLUTION:

The company integrated MAJOR FLEX-MAT high-vibration wire screens into its operations. The higher frequency of FLEX-MAT vibrations accelerates material stratification, leading to a **36% increase in throughput** compared to conventional wire mesh. This allows for more material to be processed in less time, reducing overall energy consumption.

Additionally, FLEX-MAT's unique design prevents material buildup and clogging, significantly reducing maintenance requirements. With less downtime for cleaning and repairs, energy usage is further optimized, directly contributing to lower CO₂ emissions.





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BENEFITS:

- > **Lower energy consumption**, reducing CO₂ emissions.
- > **Higher throughput**, improving overall production efficiency.
- > **Reduced maintenance and downtime**, minimizing operational costs.
- > **Enhanced sustainability**, supporting environmental initiatives.

TESTIMONIAL:

“Since implementing MAJOR FLEX-MAT, we have significantly reduced our energy consumption and carbon footprint. The increased throughput and reduced maintenance needs have allowed us to operate more efficiently while lowering CO₂ emissions. This technology is a game-changer for sustainable production.”

LOWER ENERGY CONSUMPTION, REDUCED MAINTENANCE AND DOWNTIME AND ENHANCED SUSTAINABILITY

Scan the code
to visualize the
case on the
MAJOR website

