

FLEX-MAT®

HIGH VIBRATION WIRE SCREEN

APPLICATION CASE STUDY IRON ORE MINE > Sweden

SITUATION: At a Swedish iron ore mine, traditional woven square mesh on Mogensen stationary screens required frequent maintenance due to short wear life (2-4 weeks) and blinding issues, particularly with moist materials.

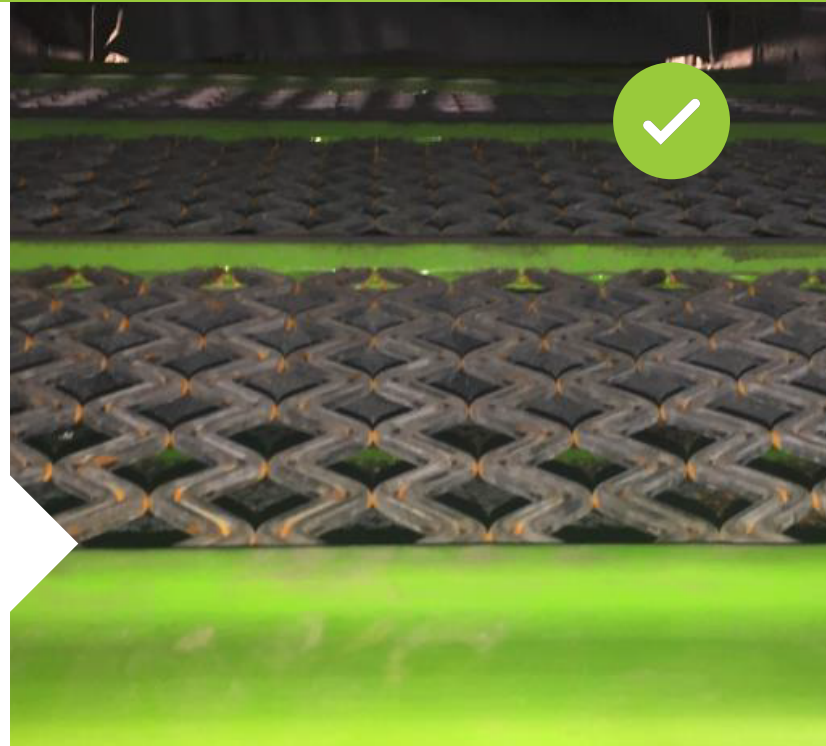
PROBLEM:

The frequent need for replacements every 2 to 4 weeks led to significant downtime and maintenance costs. Blinding when processing moist materials disrupted operations and reduced screening efficiency.

SOLUTION:

The mine transitioned to Flex-Mat Type D screen media to extend wear life and eliminate blinding:

- **Extended Durability:** Flex-Mat D extended wear life to 8 weeks, reducing the frequency of replacements.
- **Innovative Design:** Prevented blinding, ensuring continuous and efficient screening operations.



BENEFITS:

- > **Extended Wear Life:** The wear life of Flex-Mat D increased to 8 weeks—three times the original wear life, minimizing maintenance frequency and downtime.
- > **Blinding Elimination:** Consistent screening performance with no interruptions due to blinding.
- > **Cost Savings:** Substantial savings by reducing the need for frequent replacements and minimizing downtime.

**FLEX-MAT ELIMINATED BLINDING AND
INCREASED WEAR LIFE BY 3X.**