



HIGH VIBRATION WIRE SCREEN

APPLICATION CASE STUDY

ANTHRACITE COAL SCREENING > Sweden

SITUATION:

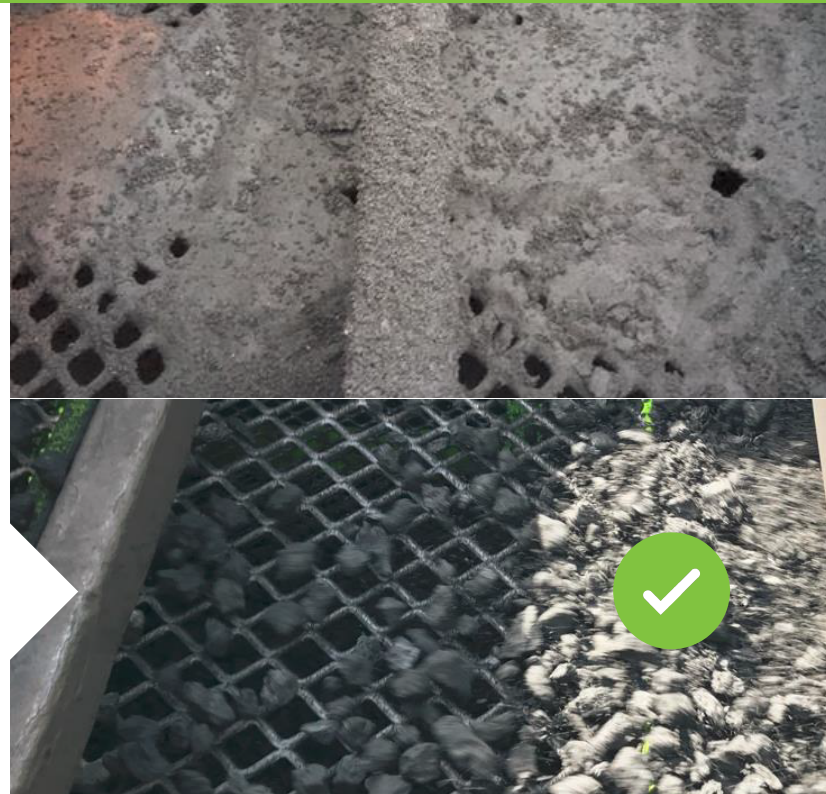
An anthracite coal screening operation in Sweden faced heavy blinding on the bottom deck during autumn and winter due to moist material. The plant used woven square mesh with stainless steel wire, which lasted only 1 to 3 months.

PROBLEM:

Heavy blinding and clogging, particularly on the bottom deck, required frequent cleaning shutdowns, severely affecting operational efficiency. Additionally, the short wear life of woven square mesh screens led to high maintenance and replacement costs.

SOLUTION:

The plant switched to Major's FLEX-MAT D Series on all three decks. This change eliminated blinding and clogging issues, significantly improving wear life.



BENEFITS:

- > **Extended Wear Life:** Top deck wear life exceeded 1 year, and the bottom deck averaged 6 months, compared to 1-3 months with woven mesh.
- > **Eliminated Blinding:** The new system removed blinding on all decks, ensuring continuous operation without frequent cleanings.
- > **Improved Operational Efficiency:** Reduced downtime and maintenance costs due to extended screen wear life and no blinding issues.

**EXTENDED WEAR LIFE TO
OVER 1 YEAR ON THE TOP
DECK AND 6 MONTHS ON THE
BOTTOM DECK. ELIMINATED
BLINDING ON ALL DECKS**