

## Customer reference case

Pulp and paper industry

Carton-board manufacturer

Hot gas fans

INSOCOAT bearings



*Aerial view of AssiDomän Cartonboard AB in Frövi, Sweden*

# INSOCOAT® bearings increase service life in a hot gas fan

## The challenge

AssiDomän Cartonboard AB, a major international producer of heavy duty carton-board was experiencing high maintenance and repair costs related to their large flue gas recirculation fan. These costs were the result of premature bearing failures caused by stray electric currents introduced into the bearings by the variable frequency converter.

The bearings in the hot gas fan motor in the boiler lasted only six months on an average. A solution was needed to eliminate the damaging electric currents, improve reliability and reduce maintenance and repair costs. The maintenance department decided to install INSOCOAT® bearings, available only from SKF®, in the fan motor.

## Savings and value

Since changing to INSOCOAT bearings five years ago, this producer has had no bearing failures in the hot gas fan. In addition, the frequency drive can be used to its full capacity.

This plant's savings in maintenance and repair costs using INSOCOAT bearings are dramatic. In addition, reduced downtime and increased productivity have had a significant impact on the bottom line.

### Operating data

Bearings:	6322 M/C3VL0241 6324 M/C3VL0241
Speed:	950 r/min
Power:	400 kW
Operating temperature:	> 100 °C

### Value added

- ✓ Increased mean time between failures
- ✓ Improved reliability
- ✓ Reduced maintenance costs

### Financial outcome over 5 years

- ✓ Initial investment (bearings) 5 000 €
- ✓ Total savings 250 000 €

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Publication 6159 EN

Printed in Sweden.

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