



KIZEI® WINS OVER YET ANOTHER USER:

This solution has now been endorsed and will be rolled out across the plant. A company specialising in the glass transformation technology **needs to reduce the frequency of its maintenance operations as much as possible: Indeed, the work environment is unhealthy and it is mandatory for the company to limit human intervention as much as possible.**

CUSTOMER'S CHALLENGE AND NTN'S RECOMMENDATION

The application used is highly abrasive, and the open bearings offer no protection against the glass dust generated. A sealed solution is not suitable because of the abrasive environment which causes **rapid wear of the seals. The bearings are mounted in two-part bearing housings SNC 509.**

Open standard competitor solution lasts 4 months on the application. The customer carries out preventive maintenance prior to this date to ensure that no failures occurred leading to an uncontrolled shutdown of the installations. Ten-hour stoppages for maintenance are required to change the two plummer blocks with bearings.

The customer has calculated that the cost of shutting down production for maintenance equates to €5,500.

NTN recommended installing KIZEI®, the only solution of its kind on the market offering 100% interchangeability with an open bearing because of its ISO dimensions. With its nitrided metal shields, KIZEI® is the ideal solution for maximising protection against dust and abrasion.

THE BOTTOM LINE IS A REAL COST SAVING FOR THE CUSTOMER

Two KIZEI® bearings (22209EAKW33ZZ) were tested and are still in good working condition after two years in service.

► **Service life is at least increased by a factor of six**
Compared to the open solution marketed by the competition

| | Number of shutdowns (in two years) | Shutdown costs (in two years) | Saving with KIZEI®* (in two years) |
|--------------------------------|---------------------------------------|----------------------------------|--|
| Previous solution | Six (every four months) | 33 000 € | |
| New KIZEI® solution | 0 (still in operation) | 0 € | |

**Saving estimated by the customer

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