

SUCCESS STORY

The glass industry



KIZEI® wins over a 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 context and 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.

Result

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 2 years)	Shutdown costs (in 2 years)	Saving with KIZEI®* (in 2 years)
Previous solution	6 (every 4 months)	33 000 €	
New KIZEI® solution	0 (still in operation)	0 €	33 000 €

*Saving estimated by the customer.

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