



ROX

Context of the customer's problem

Location: Poland

Market: Quarries

Application: Conveyor

Application conditions: Limestone dust (fine particles) penetrates the bearing despite the seals, causing significant abrasion, proximity to the ground (moisture/mud)

Customer requirement: Maintenance too frequent and need to space out operations, carried out every 2 months, with premium solutions on the market

NTN's recommendation

- ROX is a solution that is 100% interchangeable with standard open ISO solutions on the market
- Deflectors provide protection against dust
- Increased grease retention inside the bearing



« In addition to downtime for maintenance, bearing failure can cause collateral damage (destruction of bearings, shaft, etc.) »

Results

- ▶ **Minimum service life increased fivefold** compared to competing open sheet metal solutions
- ▶ **Grease retention increased by a factor of 3**

	Number of downtimes/year	Annual downtime cost
Previous solution	6	€24 000
New ROX solution	1 maximum	€4 000**

CUSTOMER ANNUAL BENEFIT

ROX* solution

€20 000

*Estimated gain on production performance. Gain on working capital purchases and maintenance operations not taken into account
 **Cost of production downtime as indicated by the maintenance manager

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