

# PROBLEM SOLVER

## BEARING FAILURE SOLVED

MOTION & CONTROL™  
**NSK**

**Problem:** Faced with regular bearing failures on the blade support of a concrete pipe-slotting machine that would cause eight hours of downtime each time, a UK-based concrete pipe plant turned to NSK for assistance.

**Solution:** As part of NSK's AIP Added Value Programme, a team of engineers scrutinised the application and determined that the ingress of concrete dust into the bearings was the root cause of the problem.

To achieve extended service life, NSK duly recommended switching to its Molded-Oil bearings with DDU seal, which ensured protection against the ingress of dust produced by the slotting operation. As a result of the project, bearing life has quadrupled from 2-3 months to 12 months, saving over €38,000 per annum in downtime costs alone.

The fine dust produced when cutting or slotting concrete pipe can be extremely damaging to standard shielded deep groove ball bearings. Dust gets behind the seal and contaminates the lubricating grease, which as the UK concrete pipe producer now knows, can prove extremely costly.

General  
Engineering



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**ERIKS**