

Is there a time bomb ticking in your turbine? Let us help – we know how!



660 kW – 2002



1500 kW – 2004



2000 kW – 2009

PLANETARY BEARING FAILURES GENERATION ON PLATFORMS

*Examples of three different manufacturers' gear types and turbine models.
If the root cause is not removed, the same failures will keep occurring.*



moventas | GEARED FOR
NEW ENERGY

Moventas Upgrade - Integrated Planet Bearings

General user experience indicates that a large population of installed wind turbine gearboxes are suffering defects and / or malfunctions in the planetary stage, either on the bearings or the gears. These defects and malfunctions in the gearbox result in unexpected, expensive service shutdowns.

Conventional practice is to repair the failed gearbox back to its original configuration without conducting root cause analysis of the failure followed up with corrective actions. This like for like repair often results in even further reduced remaining expected operational life after the service.

Moventas responded to this problem over 10 years ago with advanced and innovative design introduced through its own product range - integrated bearings. We have successfully validated this by field testing of many thousands of units ranging from 600kW up to 3MW wind turbines.

On the back of this proven success we are fully able to upgrade the existing, defective population of other brand gearboxes. The upgrade concept has been adopted by several wind turbine OEMs and end users for its durable and reliable function during operation. With the customer cooperation and Moventas' innovative engineering and state of the art manufacturing capability, the solution exists to replace defective planet wheel and bearing configurations with integrated bearings and thereby prolong gearbox lifetime.

Double your gearbox lifetime regardless of the brand!