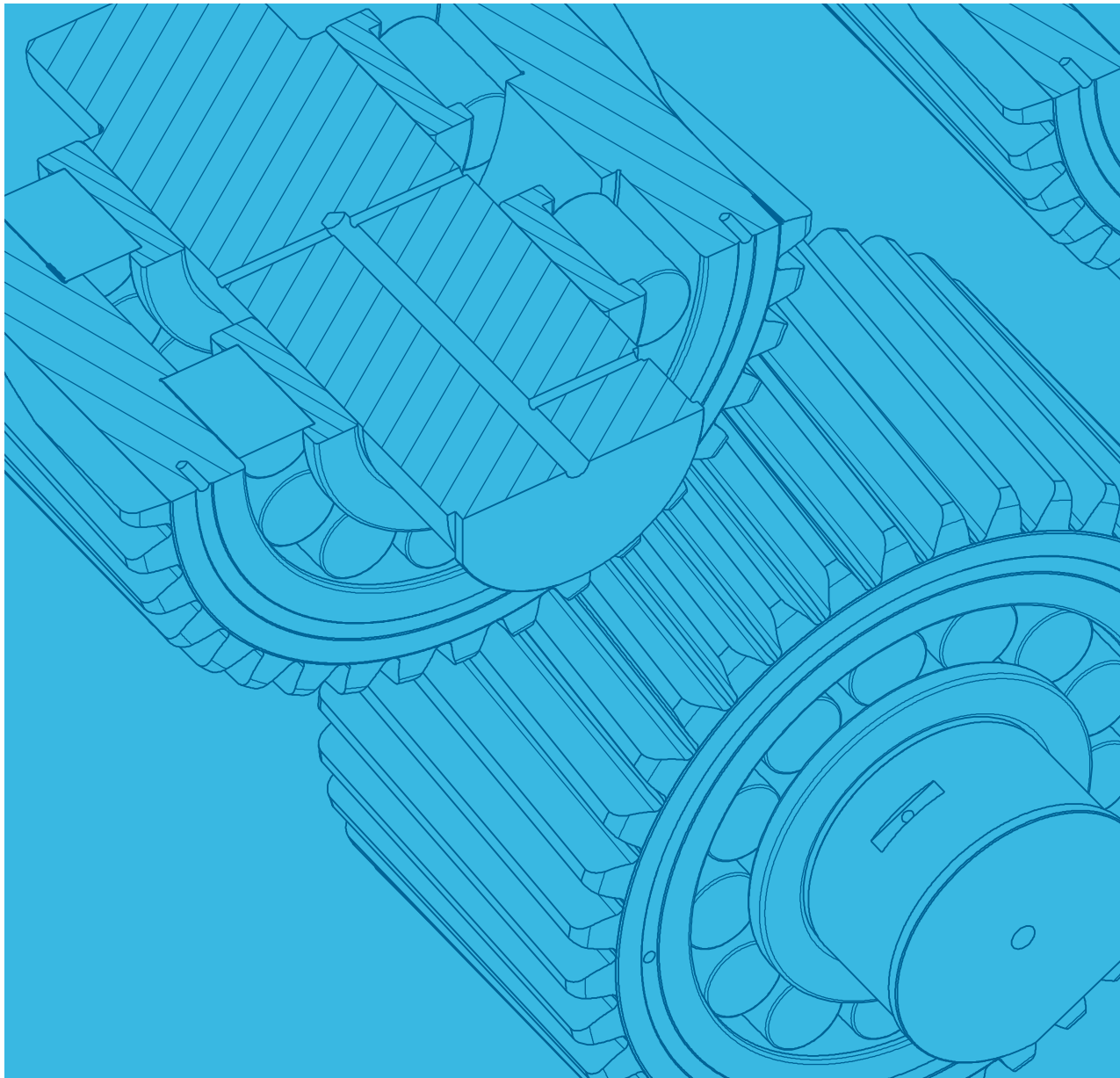


# EXTRALIFE

for kW Class



**MULTIBRAND  
SERVICE**

**moventas**

# EXTRALIFE

for kW Class

## Extra Life for kW Class – A life-extending suite of gearbox services

### Available for

- Vestas V42, V44 and V47 fleets
- Gamesa G42, G44 and G47 fleets
- Multi-brand replacements and refurbishments with accessories
- On-site inspections and online condition management services
- Spare parts, gearboxes and accessories
- Up-tower services for drivetrain
- Integrated planet gear bearings for Moventas units

### Why Extra Life for kW Class?

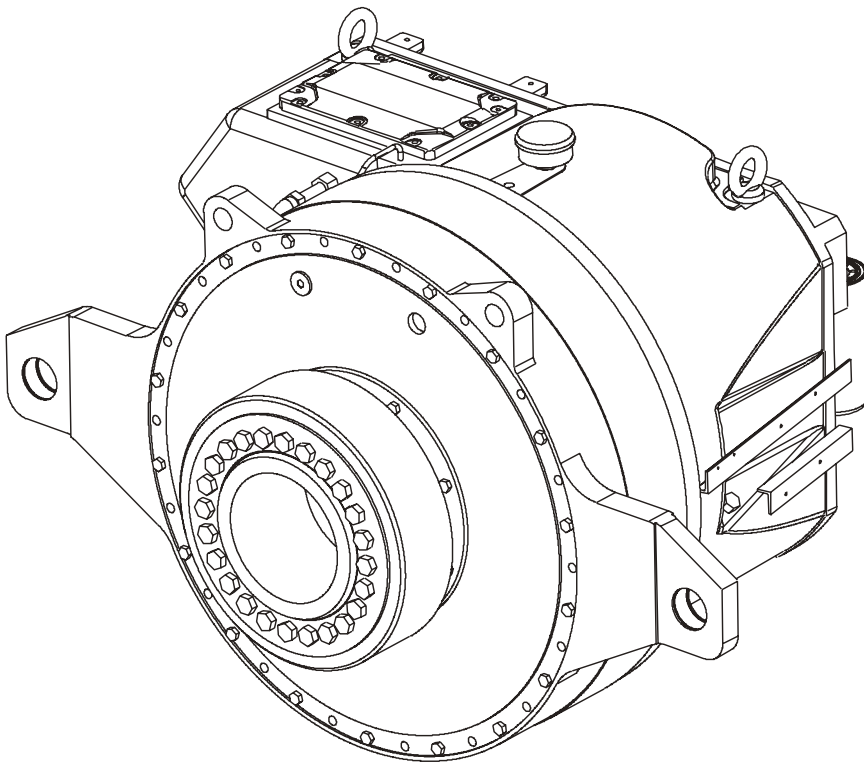
- Remove known premature failure modes by replacing them with proven Moventas technologies to extend gearbox lifetime
- Spot problems early on and solve them on-site
- Save money, reduce downtime and decrease OPEX
- Reliable partnership and proven quality from a gearbox OEM
- Get the full service scope from a single partner

### Gearboxes with accessories for Vestas V42, V44, V47, Gamesa G42, G44, G47

| Content / Gearbox type | Moventas              | Hansen | Bosch Rexroth | Winergy |   |
|------------------------|-----------------------|--------|---------------|---------|---|
| <b>Refurbished</b>     | Gearbox, Extra Life + | ●      |               |         |   |
|                        | Gearbox, Extra Life   | ●      | ●             | ●       |   |
|                        | Gearbox, OEM Standard | ●      | ●             | ●       | ● |
|                        | Gearbox, Basic        | ●      | ●             | ●       | ● |
|                        | Break System          | ●      | ●             | ●       | ● |
|                        | Shrink Disk           | ●      | ●             | ●       | ● |
| <b>New</b>             | Gearbox, Extra Life + | ●      |               |         |   |
|                        | Gearbox, Extra life   | ●      |               |         |   |
|                        | Brake System          | ●      | ●             | ●       | ● |
|                        | Shrink Disk           | ●      | ●             | ●       | ● |
|                        | Cooler Unit           | ●      | ●             | ●       | ● |
|                        | Offline Filter        | ●      | ●             | ●       | ● |
| <b>CMaS</b>            | All Options           | ●      | ●             | ●       | ● |

# Extra Life Replacement for kW

## The Improved Moventas Gearbox, PLH-313 with



- Integrated planet gear bearings
- Case carburized parts
- Advanced housing design
- Advanced geared component design and manufacturing technology
- Non-wearing seals
- Durable surface treatment
- Shrink disc, brake system and cooler
- CMaS Condition Management System

## Extra Life Payback with our Core Technologies

IMPROVED, INTEGRATED PLANET GEAR BEARINGS:  
2 x L10 Bearing Life

CASE CARBURIZED RING GEAR:  
2 x The Gear Safety Factor & Wear Resistance

### Workshop Service & Replacement Gearbox Excellence Levels

| BASIC  | OEM STANDARD  | EXTRALIFE   |
|--|---|---|
| <ul style="list-style-type: none"> <li>• Basic Workshop Repair</li> <li>• Required component changes and repairs to return the gearbox back to the operation</li> <li>• Up to 1-year Warranty for defects in workmanship and repaired / replaced material</li> </ul> | <ul style="list-style-type: none"> <li>• OEM Level Workshop Repair</li> <li>• Technically up to the same level as original gearbox when it was newly manufactured</li> <li>• Up to 2-year Warranty for Moventas and Non Moventas gearboxes</li> </ul> | <ul style="list-style-type: none"> <li>• Selected Upgrades</li> <li>• Available technical improvements to original gearbox when it was newly manufactured</li> <li>• Up to 3-year Warranty for Moventas gearboxes</li> <li>• Up to 2-year Warranty for non-Moventas gearboxes</li> <li>• Limited availability for ExtraLife+ with up to 5-year warranty with all latest upgrades</li> </ul> |

Numerical comparisons are based on bearing, filter and bracket supplier specifications as well as Moventas manufactured and other industry components' calculations. Moventas is an independent service supplier.

# moventas

Moventas is a wind gearbox expert. We lower the cost of energy across the lifecycle of power generation – from superior gearbox design and manufacture, to extensive multi-brand service for 20 wind turbine brands' gearboxes. Moventas is part of Clyde Blowers Capital.

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