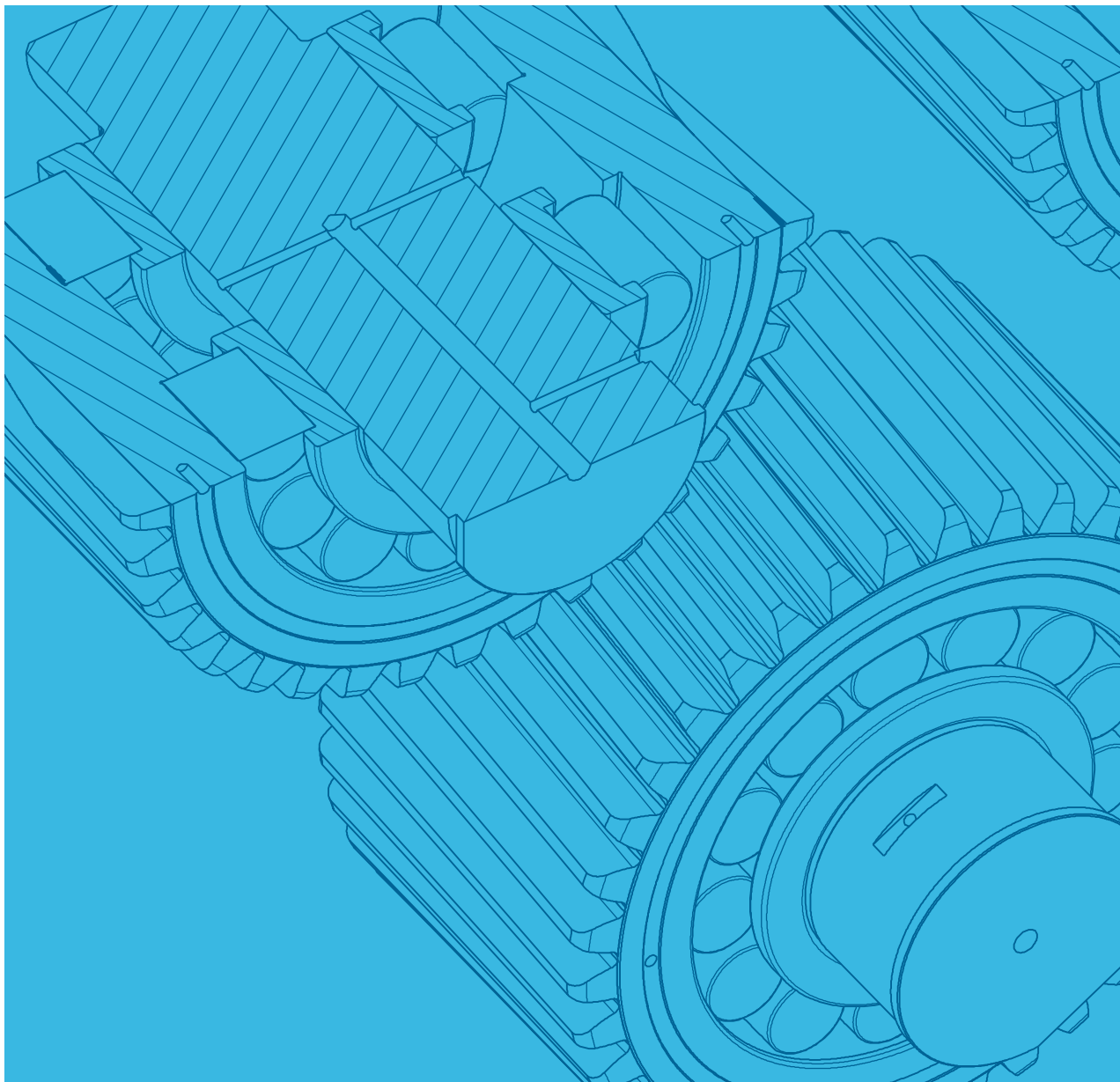


EXTRALIFE

for Vestas



**MULTIBRAND
SERVICE**

moventas

EXTRALIFE

for Vestas V80,
V82, V90, V100

Our learnings from manufacturing over 1,000 gear units for Vestas 2 MW fleet and hundreds of workshop and up-tower multibrand repairs alone with 35 years of OEM experience for your benefit.

Available for

- Vestas V80, V82, V90, V100 fleets
- New or refurbished replacement gearboxes and gearbox pooling with accessories
- Multi-brand workshop repairs
- On-site inspections and online condition management services
- Innovative up-tower repair solutions
- Spare parts

Why ExtraLife?

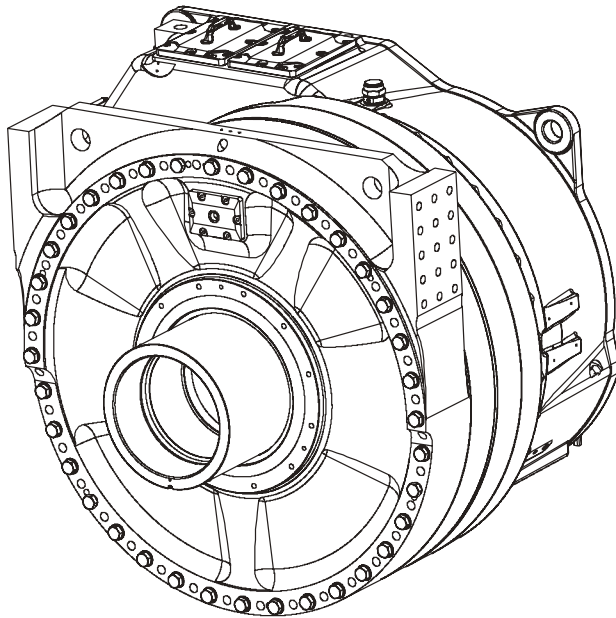
- Remove known premature failure modes by replacing them with proven Moventas technologies to extend gearbox lifetime
- Extended warranty for your fleet
- Spot problems early on and solve them on-site
- Save money, reduce downtime and decrease OPEX
- Complete ability to repair, manufacture or source components
- Up-tower solutions
- Reliable partnership and proven quality with a gearbox OEM
- Get the full service scope from a single partner

Gearboxes with accessories for Vestas V80, V82, V90 and V100

Content / Gearbox type		V80, V90, V100 Moventas PLH-1400	V80, V90 Hansen EH802/ 804	V80, V90 Bosch Rexroth GPV 442	V80, V90, V100 Winergy PEAB 4435	V82 Hansen EH 803
Refurbished	Gearbox, Extra Life	●	●	●	●	
	Gearbox, OEM Standard	●	●	●	●	●
	Gearbox, Basic	●	●	●	●	●
	Brake System	●	●	●	●	
	Shrink Disk	●	●	●	●	
New	Gearbox, Extra Life	●				
	Brake System	●	●	●	●	
	Shrink Disk	●	●	●	●	
	Cooler Unit	●	●	●	●	
	Offline Filter	●	●	●	●	
CMaS	All Options	●	●	●	●	

Moventas core technologies harnessed for ExtraLife

Extra Life features



INTEGRATED PLANET GEAR BEARINGS:

Up to 2 x L10
Bearing Life

IMPROVED BEARINGS:

Up to 7 x More
Resistance
Against WEC

CASE CARBURIZED RING GEAR:

2 x The Gear
Safety Factor
& Superior Wear
Resistance

MOVENTAS CLEAN STEEL:

100% Safety Against
Subsurface Inclusion
Derived Tooth Flank
Breakage, 1.1 x Surface
Safety Increase

CONDITION MONITORING:

Reliable 24/7
Monitoring Using
Moventas CMaS,
Anticipating Possible
Failures at Early Stage

Workshop Service & Replacement Gearbox Excellence Levels

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

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

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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.

Read more at

www.moventas.com

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