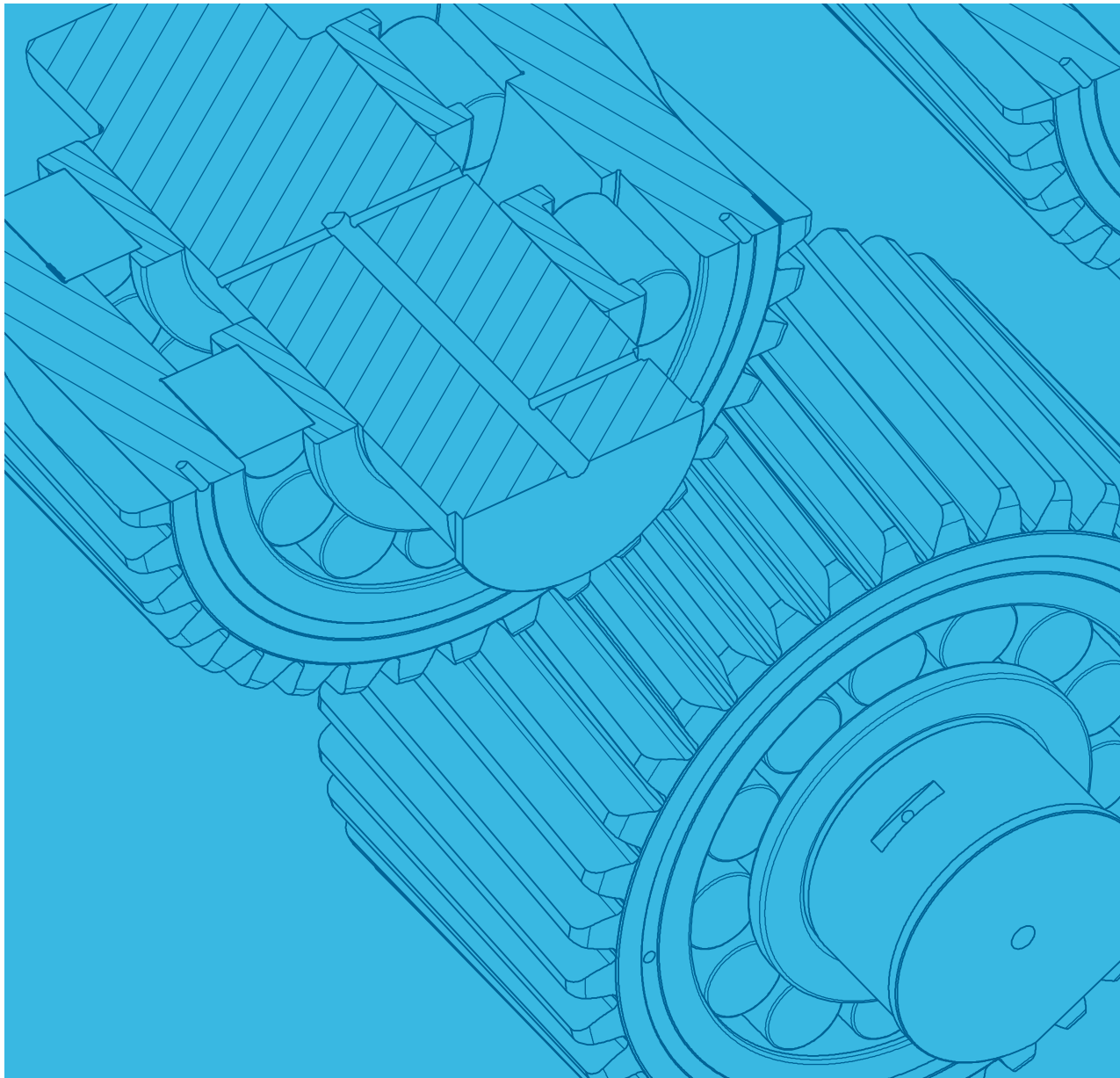


EXTRALIFE

for Siemens



**MULTIBRAND
SERVICE**

moventas

EXTRALIFE

for Siemens 2.3

Extra Life for Siemens 2.3 – A life-extending suite of gearbox services

Available for

- Multi-brand refurbishments with accessories for Winergy 4456
- Main shaft repairs and replacements
- Complete ability to repair and manufacture or source any component
- On-site inspections and online condition management services
- Up-tower services for drivetrain
- Spare parts for gearboxes and accessories

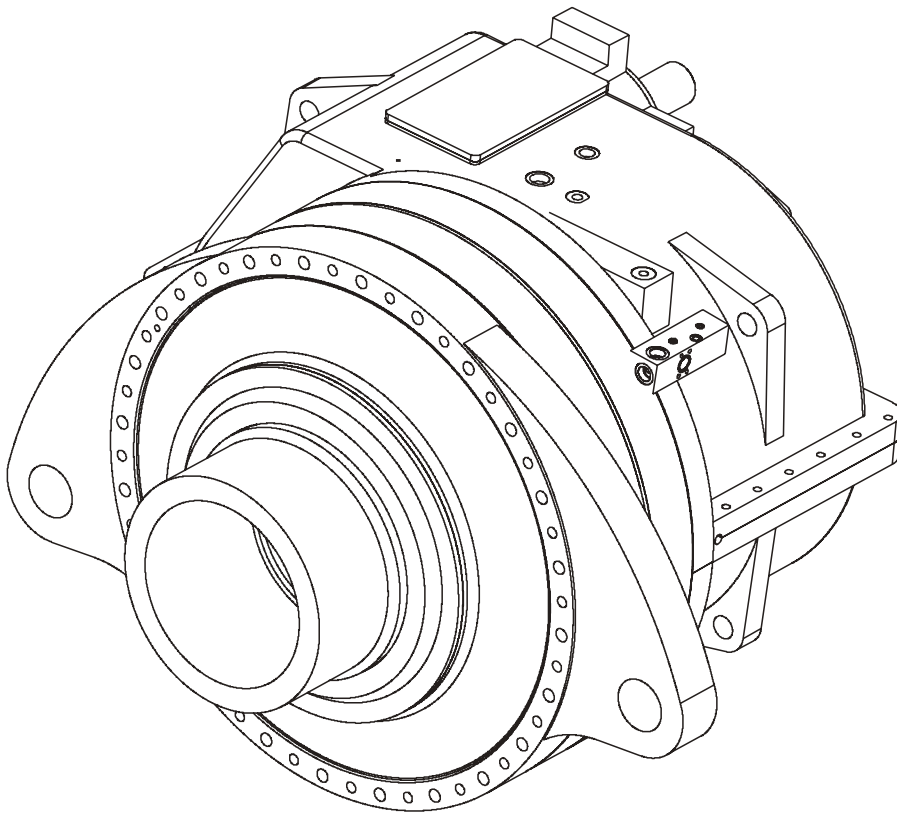
Why Extra Life for Siemens 2.3?

- 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 Siemens SWT 2.3

Content / Gearbox type		Hansen EH 851	Winergy PEAB 4456.0	Winergy PEAB 4456.1	Winergy PEAB 4456.5
Refurbished	Gearbox, Extra Life		●	●	●
	Gearbox, OEM Standard		●	●	●
	Gearbox, Basic		●	●	●
	Brake System	●	●	●	●
	Shrink Disk	●	●	●	●
CMaS	All Options	●	●	●	●

Extra Life Replacement Payback with our Core Technologies



**INTEGRATED
2-ROW PLANET
GEAR BEARINGS:**
2 x L10
Bearing Life

**MOVENTAS
CLEAN STEEL:**
100% Safety Against
Tooth Flank Breakage,
1.1 x Surface Safety
Increase

**SUPERFINISHED
GEARS:**
1.2 x More
Scuffing Safety

**CASE CARBURIZED
RING GEAR:**

2 x The Gear
Safety Factor &
Wear Resistance

Strengthened Helical
Housing – Ring Gear
Connection

Flexspider Pin for
Improved Load
Sharing

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 bracket 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.

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