



Project Scope at a Glance

- Machine Rating: 430 MW | 20 kV $\pm 10\%$ | Class F Insulation
- Bar Count: 59 Top + 59 Bottom (including spares)
- Application: Siemens make generator
- Bar Type: Fully cured VPI stator bars



Coil & Machine – Basic Specs

PARAMETER	MAKE	MW	VOLTS	AMPS	HZ	RPM	INS.CL
Details	Siemens	430	20 kV ± 10%	14578	-	3000	F

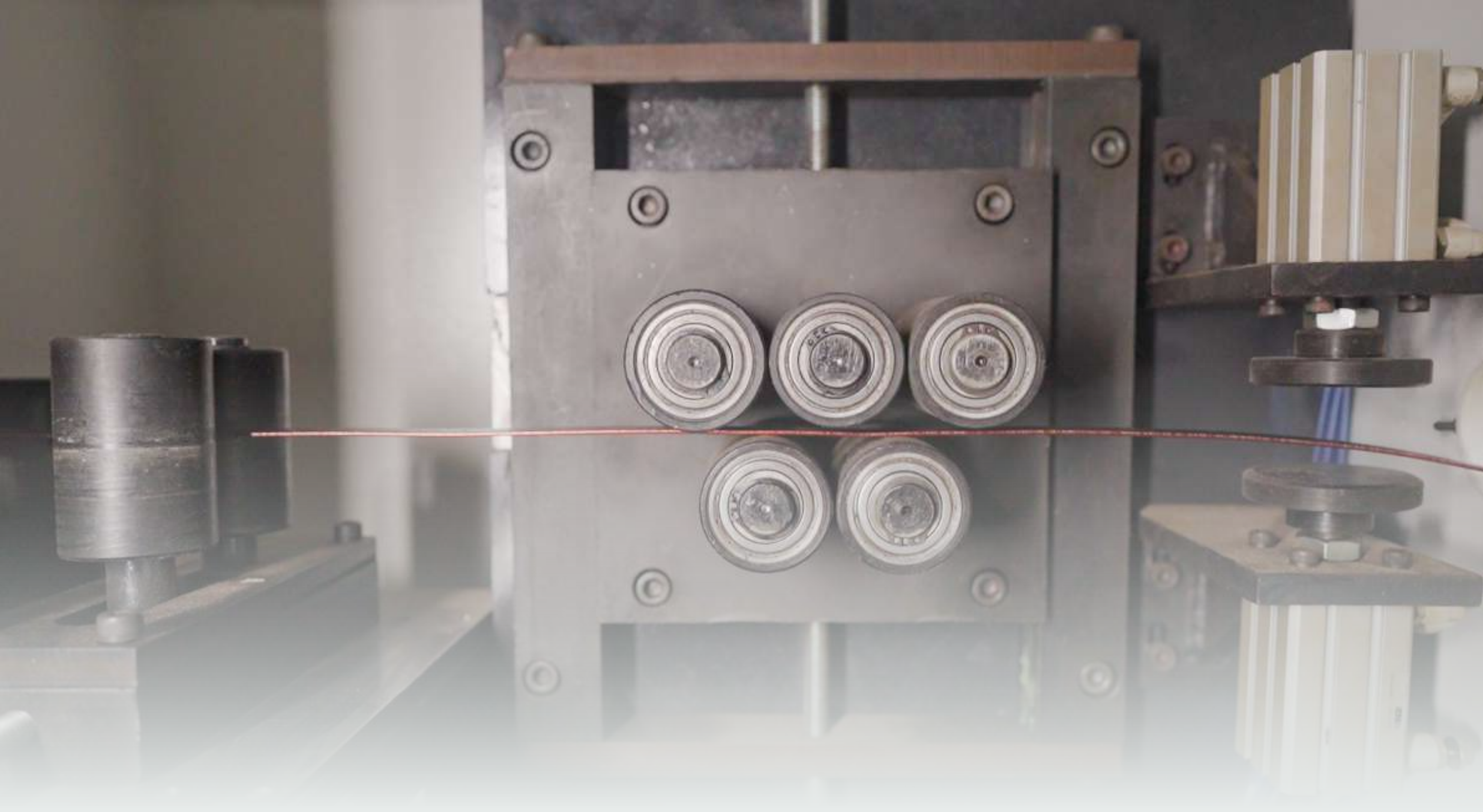
Built to perform under extreme electrical and mechanical conditions.



Process Highlights & Technical Complexity

- Bar Length: 7.6 meters
- Weight: ~160 kg per bar
- VPI Process: Ensures insulation strength & mechanical bonding
- Custom insulation scheme: Tailored for 20 kV performance
- Roebeling Transposition:
 - 540° for electromagnetic optimization
 - 360° for end-winding stability

Every element engineered for high-voltage reliability.



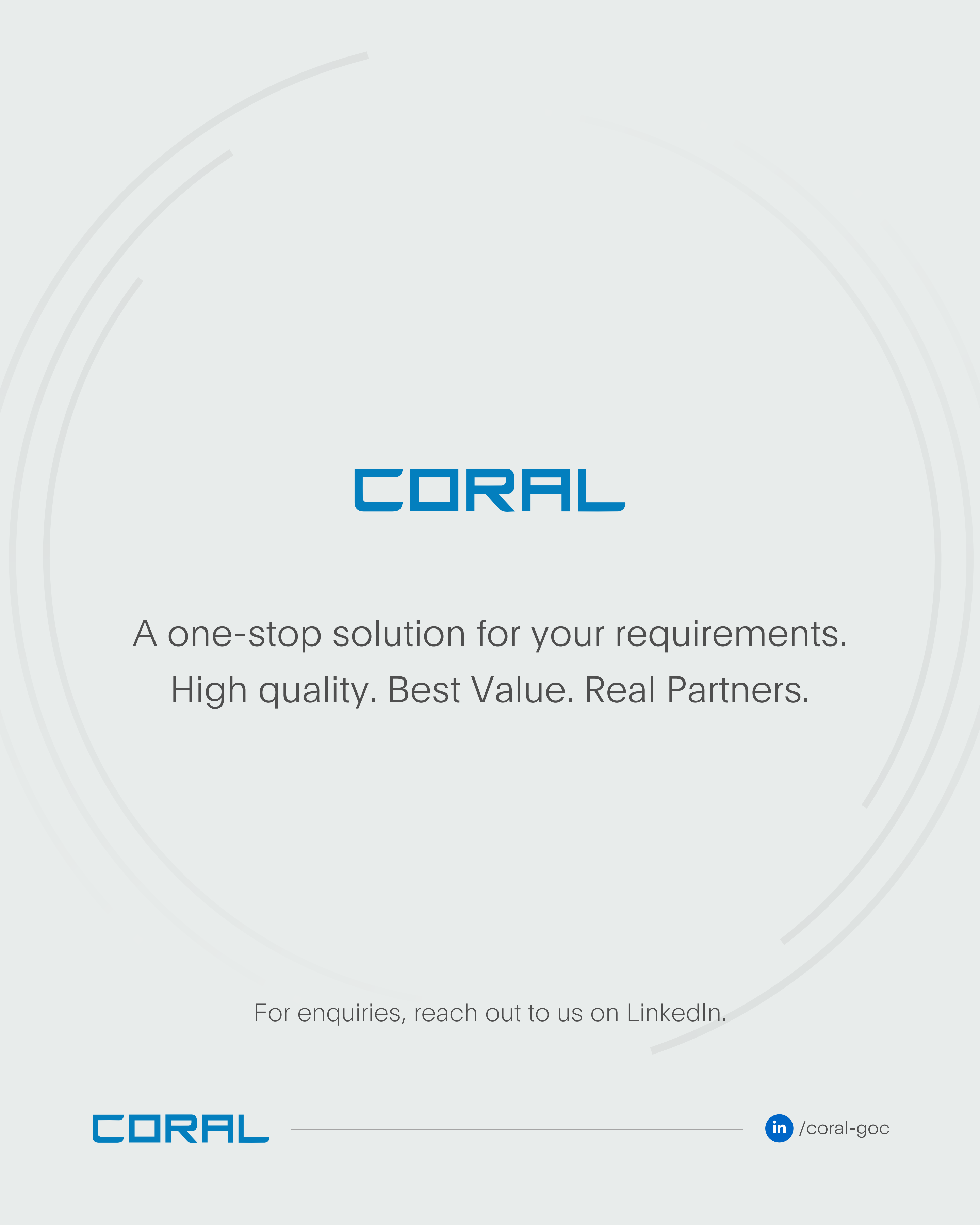
Built In-House. Built for Performance.

- All Class F materials used
- All engineering, design, tooling, manufacturing & testing done at Coral
- Designed for OEM compatibility
- Custom-built to meet enhanced dielectric demands

Precision in every process from design to testing.

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High quality. Best Value. Real Partners.

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