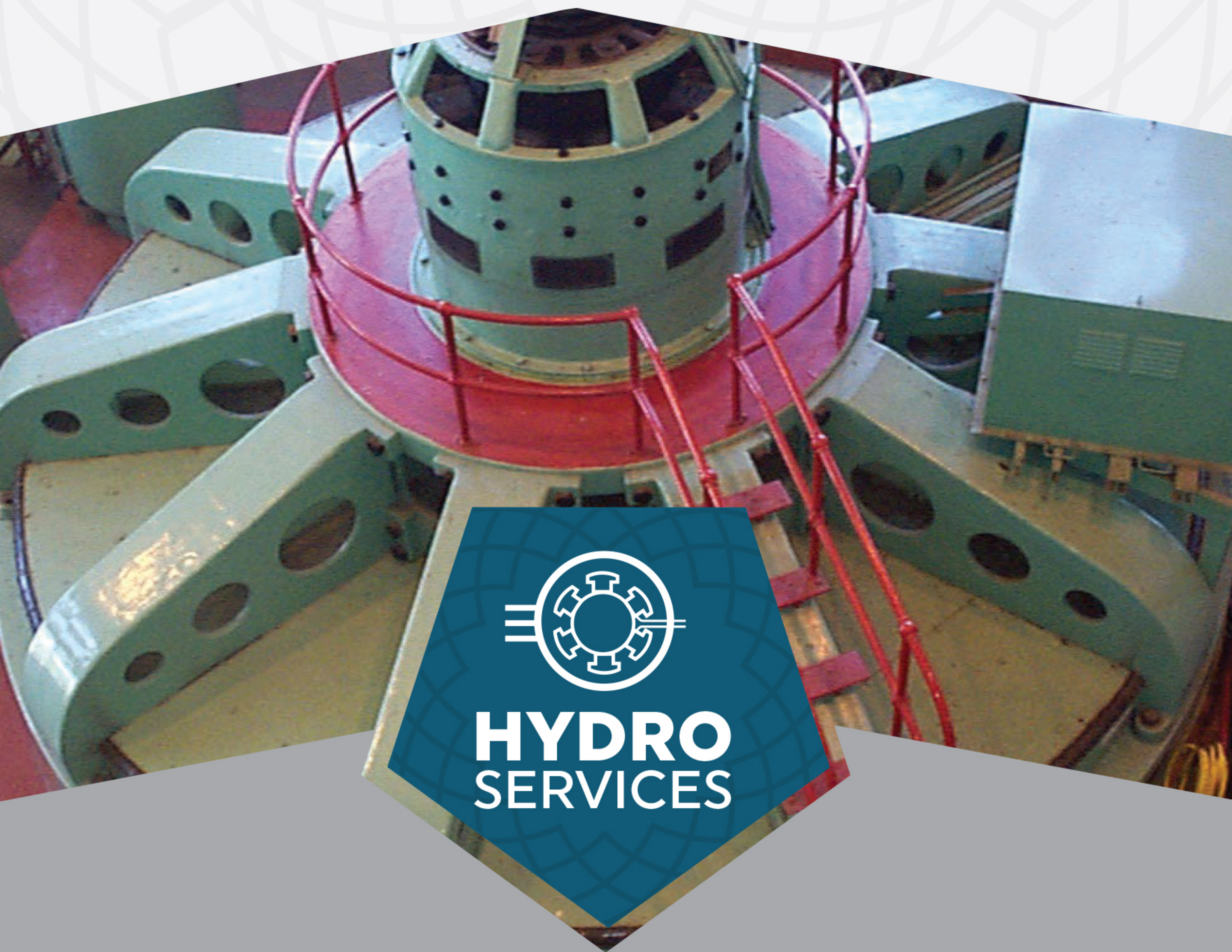


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Powering Engineered Solutions



**HYDRO
SERVICES**

GENERATOR SUBJECT MATTER CONSULTING (SME)

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Mechanical Uprate | Electrical Uprate

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TURN-KEY ENGINEERED SOLUTIONS TO COMPLEX ISSUES

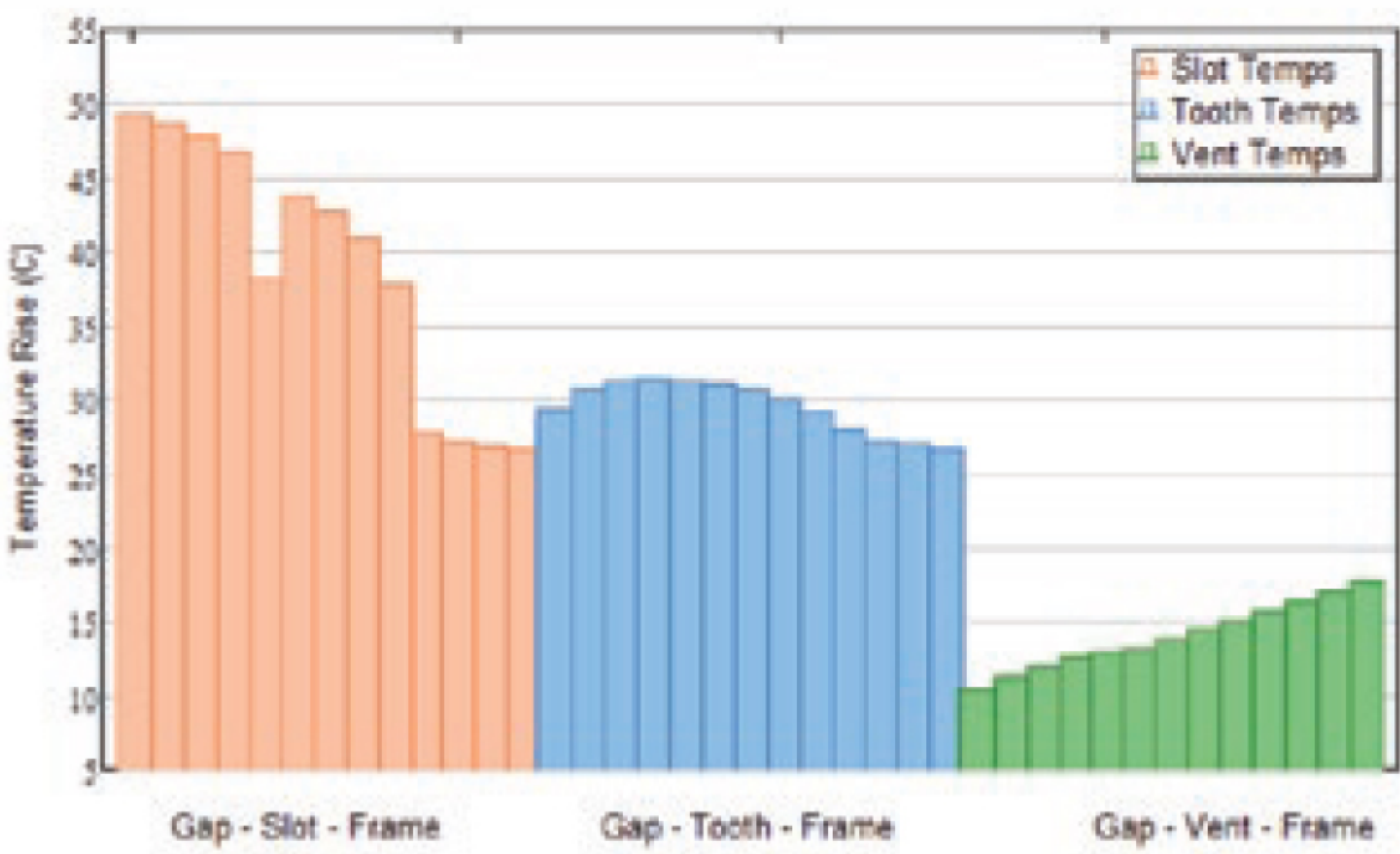
Design / Analyze / Install / Commission



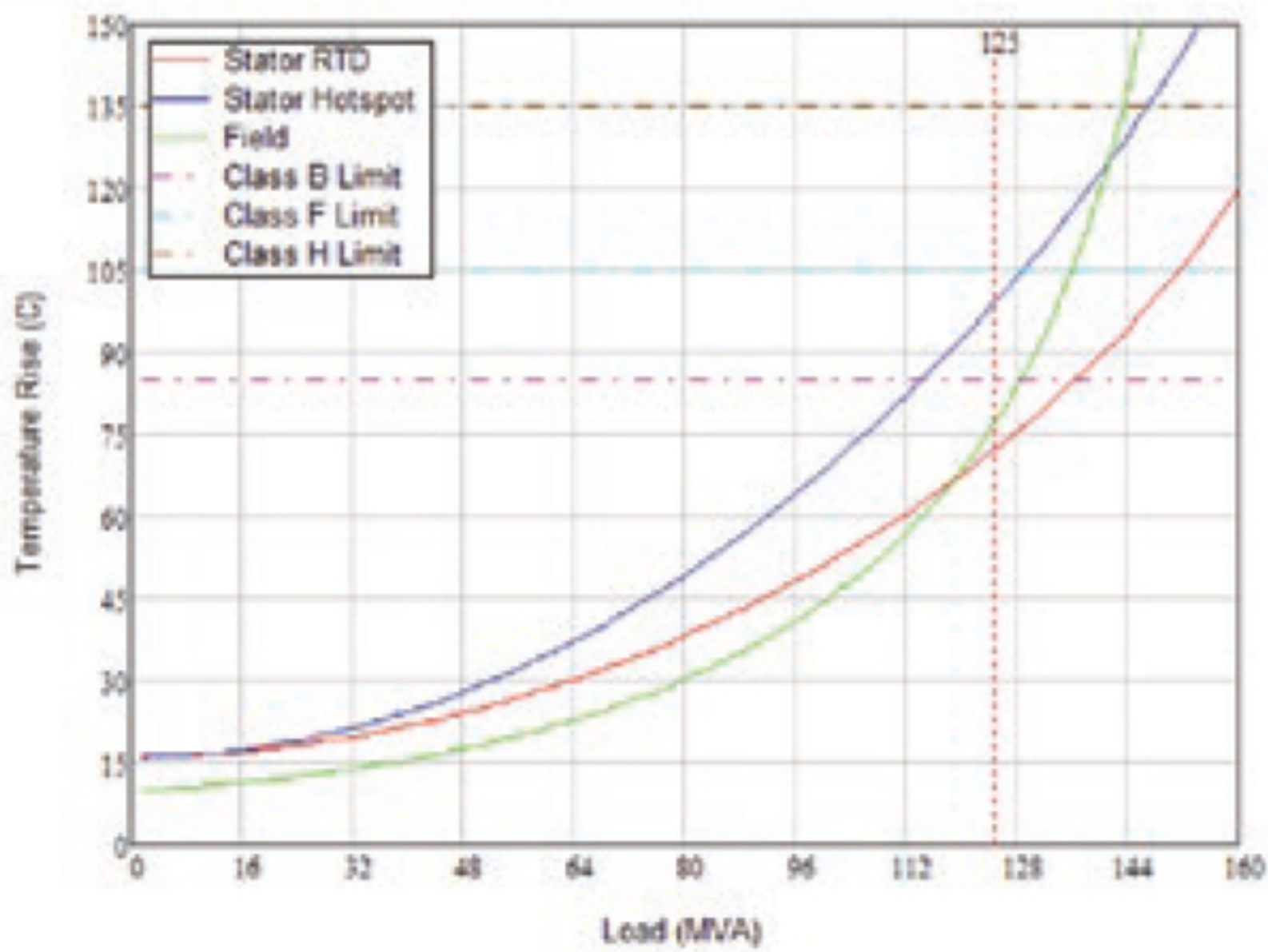
WHAT CAN **EME** DO FOR ME?

Whether your need is for Generator engineering subject matter expertise, a Root Cause Analysis (RCA), or designing and implementing a modification to address a degraded condition in your generator – **EME can support.**

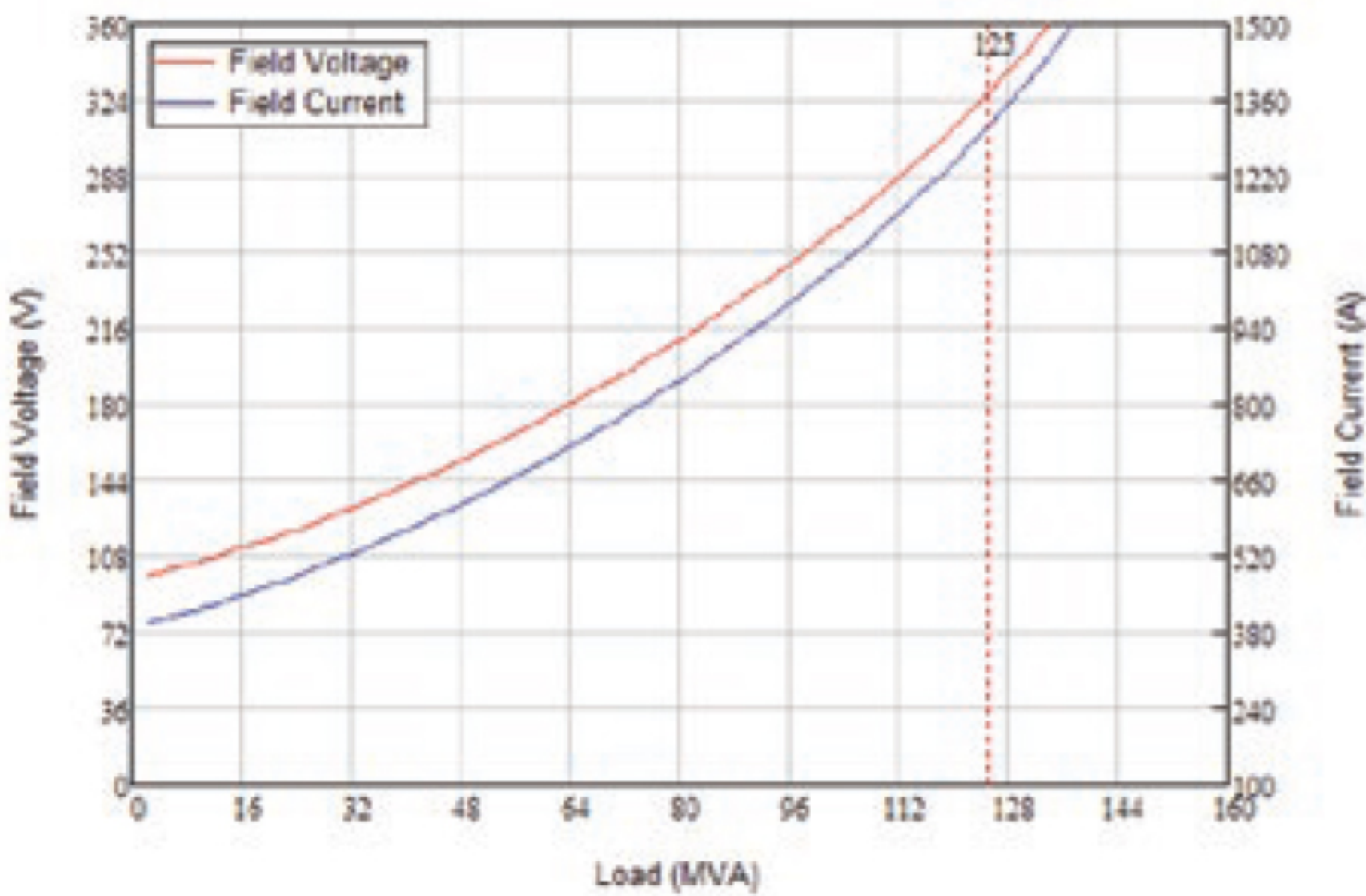
GENERATOR ELECTRICAL UPRATE ANALYSIS



Thermal Modeling

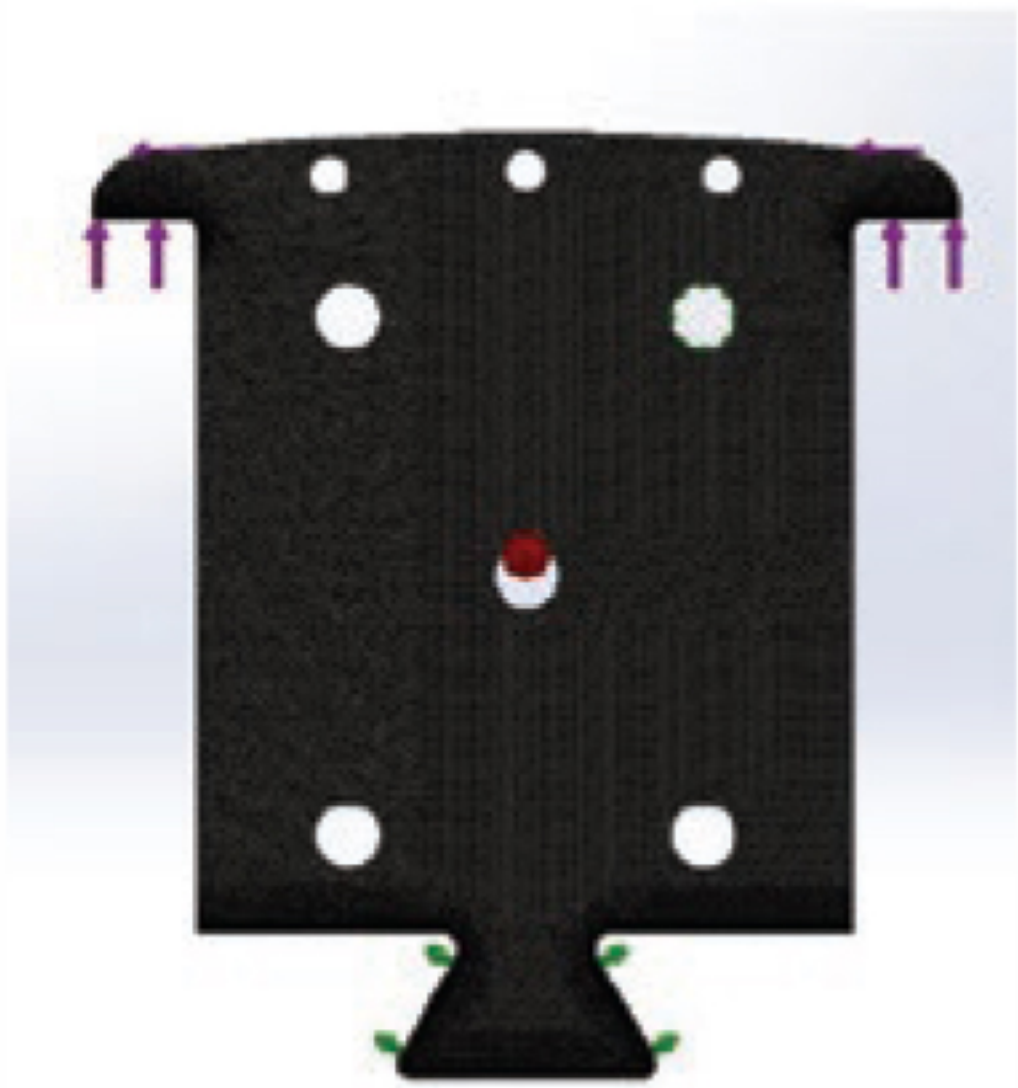


Thermal Modeling



Field Voltage & Current as a function of load

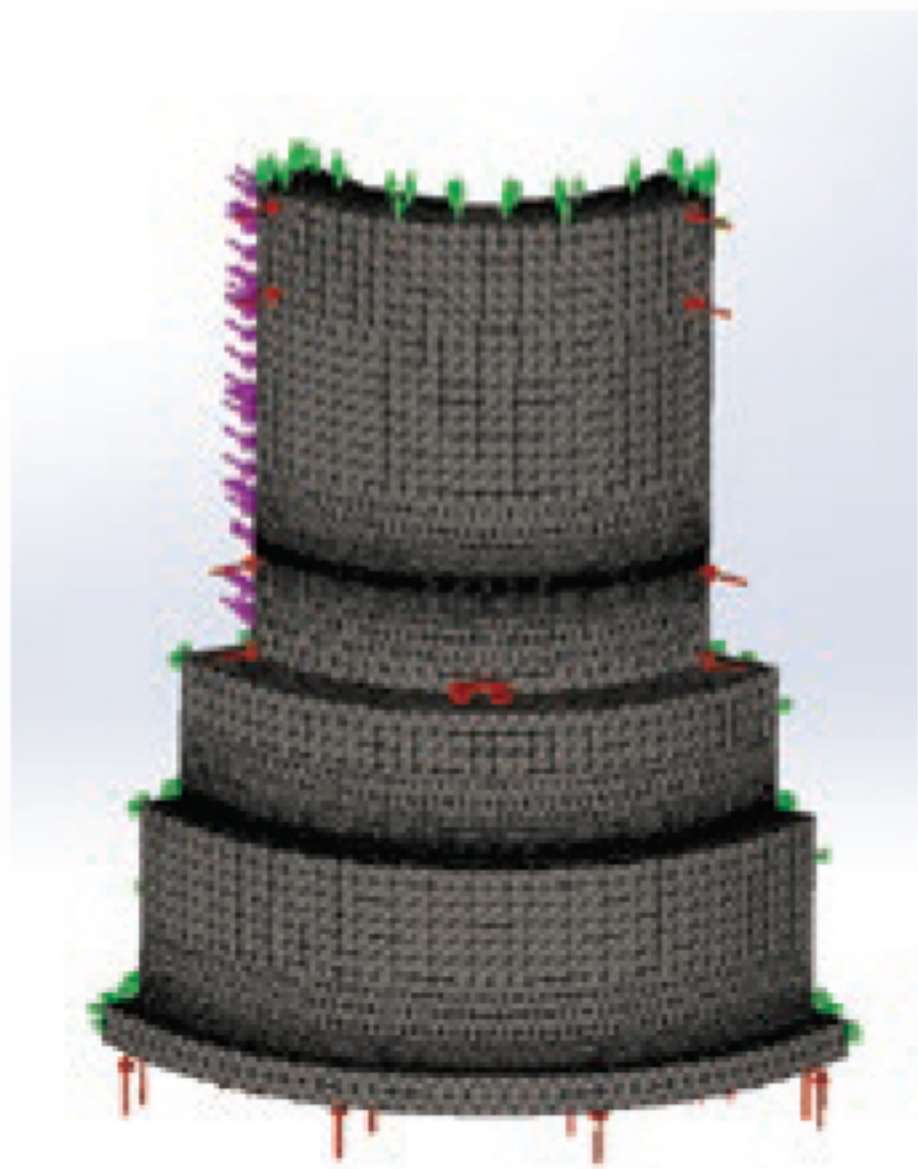
GENERATOR MECHANICAL UPRATE ANALYSIS



Pole Analysis



Pole & Shaft Analysis



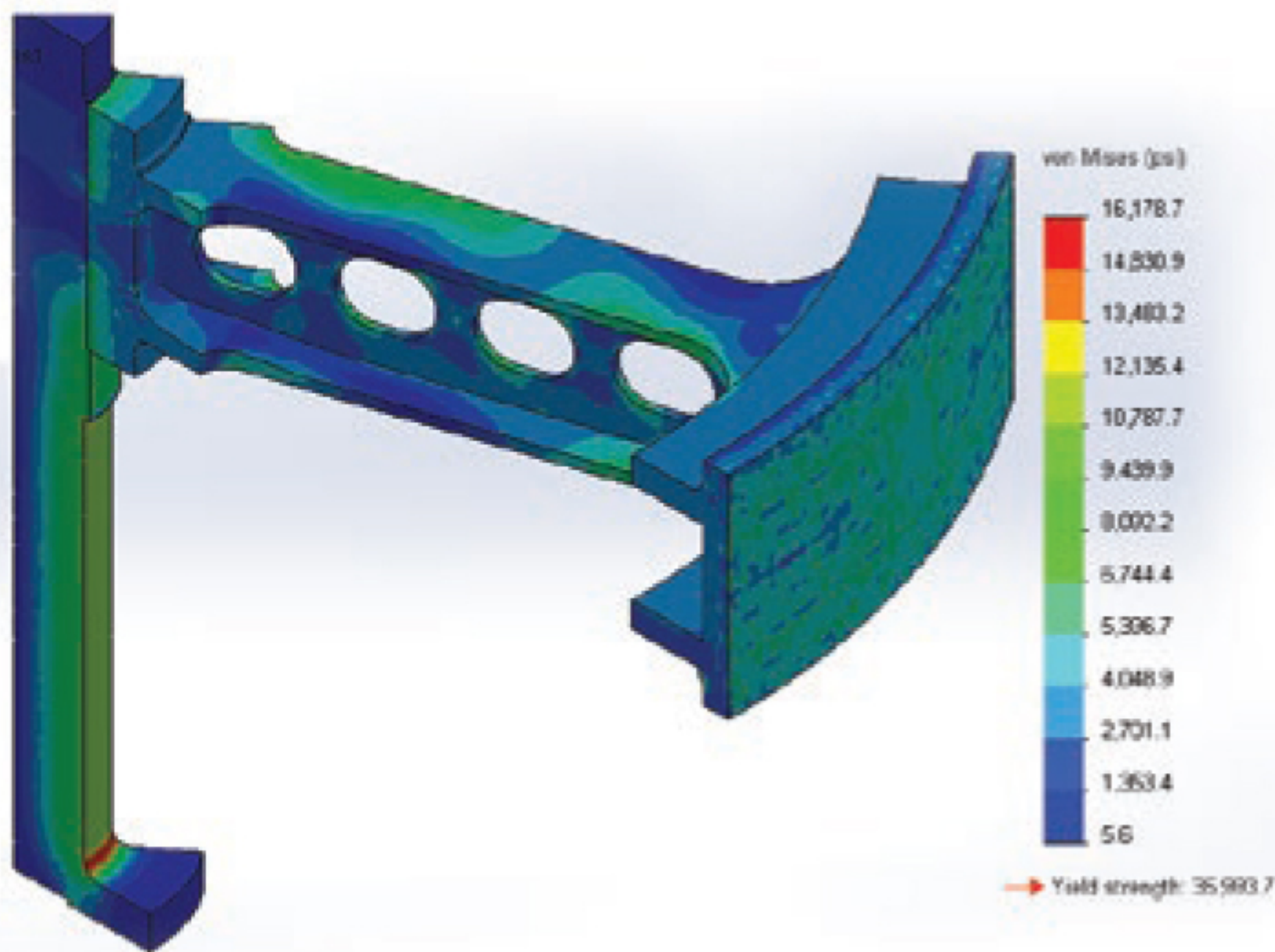
Thrust Collar Analysis



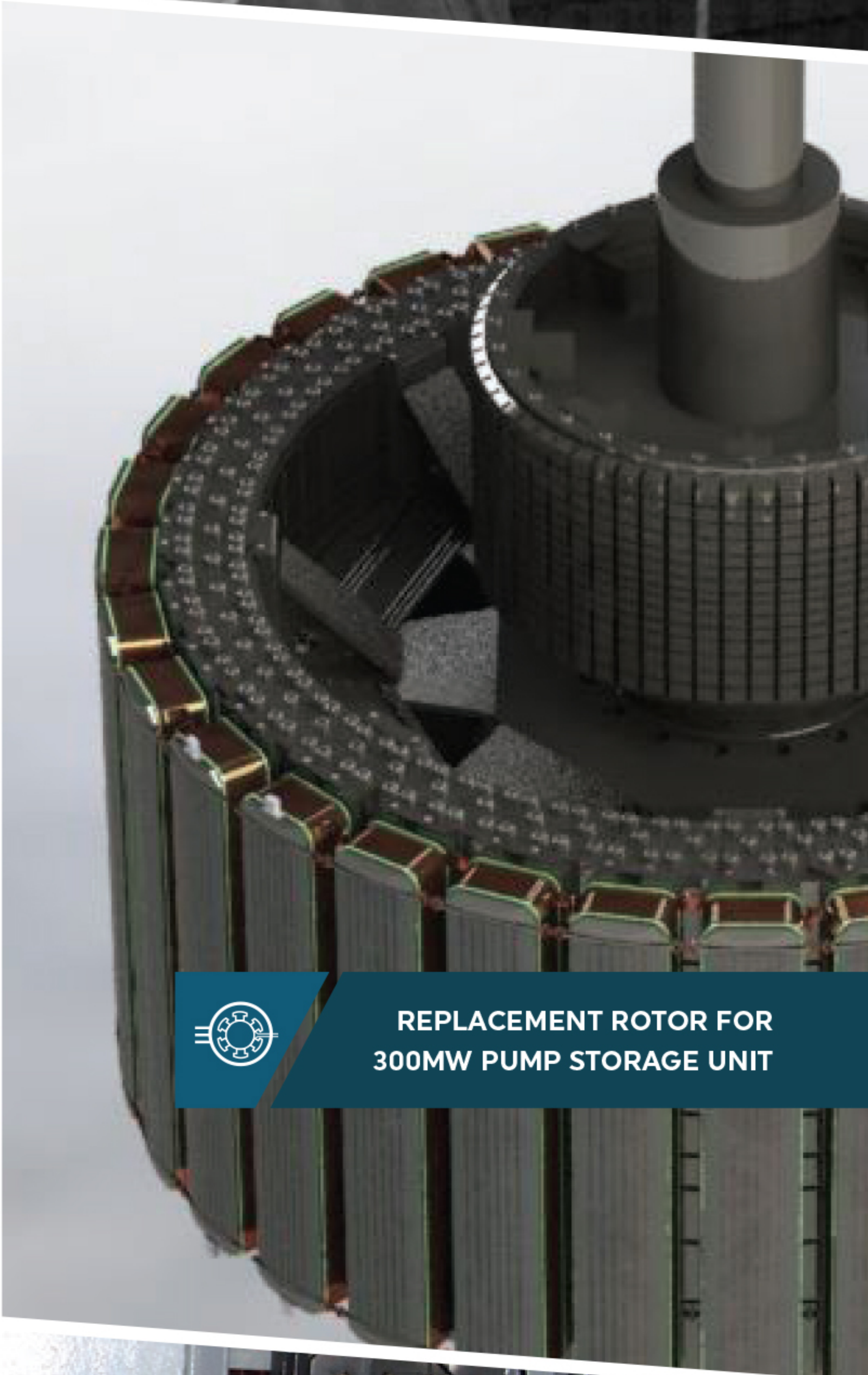
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CORE RESTACK
NOISE ABATEMENT



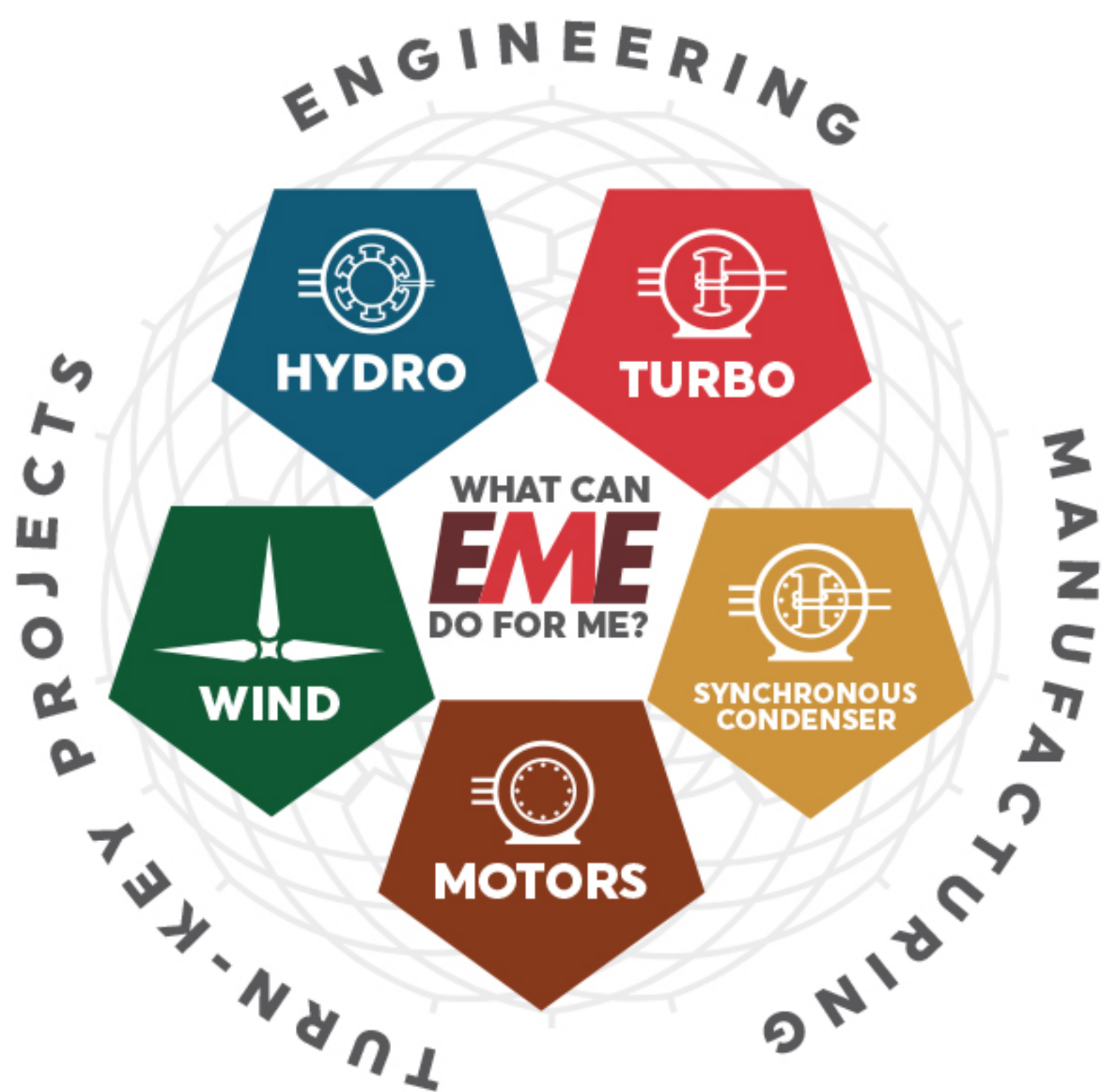
SPIDER ARM FEA



REPLACEMENT ROTOR FOR
300MW PUMP STORAGE UNIT



STATOR CORE DYNAMIC
VIBRATION ABSORBER



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