

# Drop-In Replacements



Electric Machinery offers more than standard design, we build machines to your exact specifications.

For over 125 years, Electric Machinery has earned its reputation for designing, manufacturing, and servicing large, custom-engineered electrical motors and generators in the U.S. and worldwide.

EM has experience replacing both EM and non-EM machines and can comply to an existing footprint of any type of machine including accommodations for shaft height, foundation, piping, terminal box locations and much more.

## For EM replacement machines:

- Internal records date back approximately 70 years and EM has the capability to conveniently build exact replacements
- Upgrades to current designs, materials, parts and processes are available
- Experienced in re-rates

## For replacement of non-EM machines:

- Full electrical design evaluation and analysis
- Availability to provide site verification on dimensions and interface locations

## Upgrades to non-EM machines:

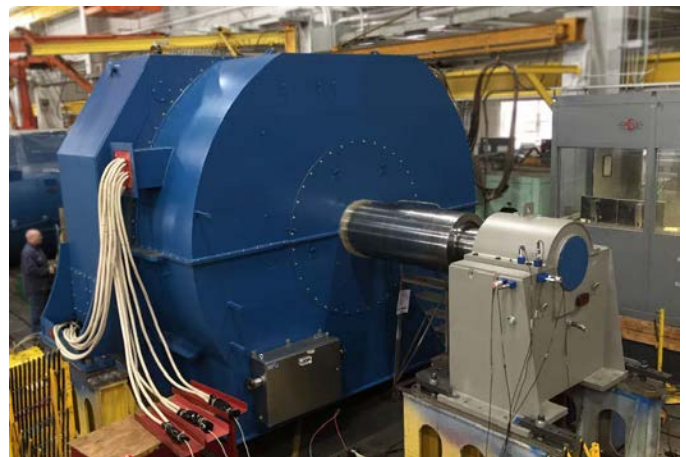
- Stator and rotor rewinds or pole replacement
- Brush-to-brushless conversions and brushless excitation upgrades

## Field Installation Support

- EM custom installation and commissioning assistance from experienced field service engineers ensure quality support
- Balance of Plant Services



Turbo Generator Replacement - 17647KVA, 2 Poles, 13800V - TEWAC Enclosure



Synchronous Motor Replacement - 14000HP, 36 Poles, 13800V - TEWAC Enclosure



Field Installation Support



Synchronous Motor Replacement - 1500HP, 12 Poles, 2300V - DPG Enclosure





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