



GENERATOR ROTOR EXCHANGE

Reduce your downtime by as much as 30 days compared to an in-shop rotor rewind

As the GE generator fleet ages, maintenance work may be needed to extend the generator life and maintain reliability. GE Power provides generator refurbishment using exchange fields—offering a much faster return to service than any of the alternative repair or replacement scenarios.

How Does the Exchange Field Program Work?

Under this program, you can exchange generator fields that need maintenance or repairs for refurbished off-the-shelf, pre-wound and tested fields. For planned outages, exchange fields can generally be delivered as far in advance of an outage as necessary.

Proven Technologies

GE Exchange Rotor Program has been running for more than 20 years:

- More than 140 exchange rotors delivered to customers globally
- > 25 repeat customers with over 20 different generator versions (such as 7A6-A, 7A6-B, etc.)
- Over 2 million operating hours on GE Exchange Rotors
- More than 10 rotor models in inventory at any point in time



Predictability: Reduce the uncertainty and duration of an extended emergent rewind with a GE exchange rotor that is already fully rewound, balanced, tested and ready to install.



Availability: Reduce planned or emergent outage time by up to 30 days compared to an in-shop rotor rewind, reducing your financial exposure.



Flexibility: GE exchange rotors may be enhanced to accommodate cyclic-duty plant operations (dependent on model and availability).



Output: GE exchange rotors may have increased output capacity (dependent on model and availability).

Key Features

GE Exchange Rotors include:

- Upgrades to latest insulating materials, blocking and wedge configuration
- Upgrades for cyclic duty modifications, main terminal stud replacement and amortisseur winding
- High speed balance including full thermal and electrical tests
- Detailed Engineering assessment to provide proper fit and applicability to your generator
- Dedicated GE Project Manager overseeing quality of rotor rewinds and high-speed balance, aiming to ensure each GE Exchange Rotor is ready for installation
- Competitive pricing compared to an in-shop rotor rewind

Is a Rotor Exchange Right for you?

Here are some questions customers should ask when considering a rotor exchange:

- What is the age and future operation mode of my generator rotor?
- When do I need to replace/rewind my current generator rotor?
- What is the impact of extended downtime to my plant and customers?
- How do I determine that an exchange rotor will fit in my unit?
- Which solution providers have experience and investments in their exchange rotor program that can best support my needs?
- Do I have the latest technology available in my generator rotor? (e.g., output, flexibility, availability)