



# 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)