

# Smartly Standardised Design... ..For Higher Productivity & Lower Risk

## EXPERTISE

### ENABLING FASTER DESIGN, TAILORED TO YOUR REQUIREMENTS

GE has been a leader in innovative generator manufacturing for over 100 years, a wealth of engineering knowledge available through our network of rotating machine engineers.

## DESIGN

### OPTIMIZED EFFICIENCY & POWER DENSITY

Flexible machine design built on standard – rotor & stator – modular solutions.

## ANALYSIS & TOOLS

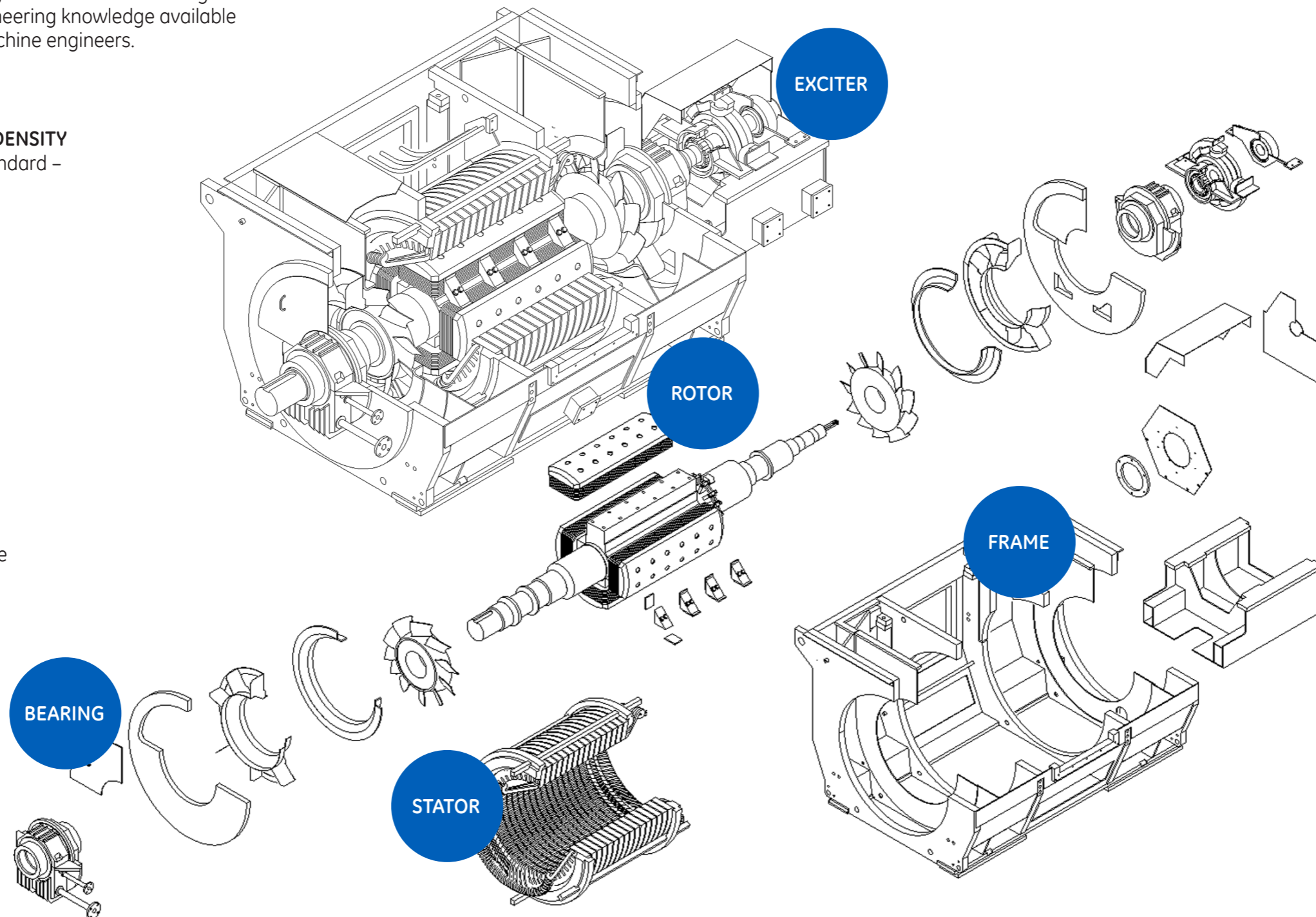
### DE-RISKING

Solutions before installation.

## EXCITATION CONTROL & PROTECTION SYSTEMS

### HIGHER PRODUCTIVITY

Digital control schemes for new and retrofit applications. Innovative GE automatic voltage regulator (AVR) design, helping to maximize machine availability thus productivity, by reducing the time where generator has to disconnect from grid due to



Efficiency of the electrical machines can provide a significant economic impact. Over a year of full production, A 50MW generator with **0.2% better efficiency** can increase electrical power output by up to **\$160k** per year.

## LEADING TECHNOLOGY

### BASED ON PROVEN DESIGN OPTIONS

Innovative insulation and cooling technology. GE patented pin vent technology aiding air flow and heat transfer to extend product lifespan.

## SMOOTH INTEGRATION

APPLICATION EXPERTISE