WEG Service Co. 66655 Sugarloaf Parkway | Duluth, GA 30097 Phone: 1-800-275-4935

**Electric Machinery** 800 Central Avenue. Minneapolis, MN 55413 Phone: +1 (612) 378-8000 www.electricmachinery.com

# 24—Hour Global Field Services

**On–Call For Planned Maintenance and Emergency Service** 



### MERGENCY PARTS AND SERVICE

- PHONES ANSWERED 24/7 EVERY DAY OF THE YEAR
- HIGHLY-TRAINED FIELD SERVICE ENGINEERS
- GLOBAL REACH IMMEDIATE SUPPORT
- CONNECTED TO ENGINEERING AND TECHNICAL DATABASE
- LARGE INVENTORY OF PARTS AVAILABLE FOR IMMEDIATE SHIPMENT



### DIAGNOSTIC SERVICES AND TESTING

- INSULATION AND ELECTRICAL TESTING
- DRYOUT, CLEANING, AND PLANNED MAINTENANCE
- MECHANICAL TESTING, ALIGNMENTS
- SPARES PLANNING, FLEET MANAGEMENT
- RELIABILITY PLANNING AND RISK MANAGEMENT



# **ADVANCED TESTING AND ENGINEERED SOLUTIONS**

- ONLINE ELECTRICAL TESTING FOR CRITICAL EQUIPMENT
- RESONANCE, NOISE AND DYNAMIC MEASUREMENTS
- UPRATING AND POWER ENHANCEMENTS
- HEAT EXCHANGER RETROFITS AND DROP-IN REPLACEMENTS
- TRIM BALANCING AND VIBRATION ANALYSIS



# **NSTALLATION, COMMISSIONING, AND STARTUP**

- EXTEND YOUR WARRANTY WITH PROFESSIONAL FIELD
- SERVICE SUPPORT AND ANNUAL MAINTENANCE
- COMMISSIONING OF MOTORS, GENERATORS, AMPLI-SPEED™
- MAGNETIC DRIVES, CONTROLS, AND AUXILIARY EQUIPMENT
- BEST-PRACTICES, CUSTOMER TRAINING AND OTHER **CUSTOMIZED SERVICES SUITED TO YOUR APPLICATION**





# Contacts

# **WEG USA**

Phone 800-275-4934 • 678-249-2000 24/7 Drives Support • 877-934-3748 After Hours Sales • 800-275-4934

# **Electric Machinery Service**

Emergency Service Phone: (612) 247-9232 • Emergency Parts Phone: (612) 718-7589

RomanJurewicz Afermarket Manager Phone: (612) 378-8952 rjurewicz@weg.net

**Sean Orchuk** Field Service Manager Phone: (612) 518-7542 sorchuk@weg.net

**Jeremy Valder** Service Engineer Phone: (612) 378-8996 jvalder@weg.net

**Blake Bailey** Service Engineer Phone: 612-378-8049 bbailey@weg.net

**Alan Carroll** Parts Administrator Phone: (612) 378-8083 acarroll@weg.net

David Juba Service Engineer Phone: (612) 378-8247 djuba@weg.net





# TOTAL PRODUCT SUPPORT

**Electric Machinery** and WEG Service Co.



800 Central Avenue NE. | Minneapolis, MN 55413 USA www.electricmachinery.com www.weg.net



WEG Group Electric Machinery | 800 Central Avenue | Minneapolis, MN 55413 | Phone: +1 (612) 378-8000 | www.electricmachinery.com

# **Turbo-Generator Services Protect Your Critical Equiment with 0EM Support**









- DESIGNED AND MANUFACTURED BY ELECTRIC MACHINERY
- TOOLING INSTALLED WITH WEG-EM FIELD SERVICE
- IN-SITU CLEANING GIVES NEW LIFE TO AN OLD STATOR
- SITE SUPPORT REDUCES DOWNTIME AND ENSURES OEM





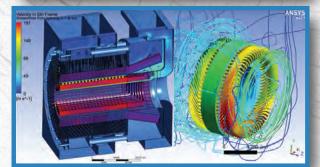
#### COMMISSIONING

- LET OUR TEAM GUIDE YOU THROUGH INSTALLATION AND STARTUP
- WARRANTY-APPROVED COMMISSIONING AND TESTING SERVICES
- ENSURE YOUR CRITICAL EQUIPMENT IS INSTALLED AND **OPERATED CORRECTLY**



### **COMPLETE ROTOR SERVICES**

- NDT TESTING, INSPECTION, PAINTING
- FULL-SERVICE BALANCING TO API-546
- ROTOR COOLING UPRADES PROVIDE INCREASED OUTPUT
- GROWLER, INSULATION, AND ADVANCED ELECTRICAL TESTS



## ADVANCED DIAGNOSTIC SERVICES

- OEM ENGINEERS AVAILABLE TO SUPPORT THE MOST CHALLENGING APPLICATIONS
- AIRFLOW ANALYSIS AND COOLING PERFORMANCE STUDIES
- ROTORDYNAMICS AND INERTIAL CALCULATIONS
- **REASONANCE AND SYSTEM STIFFNESS MODELLING**

# **Rewinds and Major Overhauls**

Trust the OEM with over 70 Million Installed Horsepower and 120 Years' Experience



#### **COIL MANUFACTURING AND FORMING**

- MANUFACTURED TO THE HIGHEST STANDARDS
- INDIVIDUALLY TESTED AND APPROVED
- MATERIALS STORED UNDER STRICT CONTROLS



#### **STATOR WINDING**

- COMPLETED BY SKILLED WINDERS
- ALL EM WINDING TAKES PLACE IN MINNEAPOLIS, USA
- **FULL TESTING AT EACH STEP IN OUR PROCESS GUARANTEES WINDING INTEGRITY**



### **GLOBAL VPI SYSTEM**

- OUR DURAGUARD™ SYSTEM IS PROVEN RELIABLE FOR 20 YEARS AND BEYOND
- MANUFACTURING PROCESSES AND QUALITY CONTROLS MEET OR EXCEED NUCLEAR STANDARDS
- THOUSANDS OF INSTALLED UNITS OPERATING RELIABLY



#### **ROTOR FABRICATION**

- ALL POLES ARE DESIGNED, BUILT, AND TESTED IN-HOUSE
- EACH POLE IS INDIVIDUALLY TESTED AND APPROVED
- WE USE THE HIGHEST QUALITY RESINS AND MATERIALS TO ENSURE DECADES OF RELIABLE SERVICE



### **TESTING AND PACKAGING**

- PERFORMANCE TESTING, HEAT RUNS AND OTHER ADVANCED TESTING ARE ALL COMPLETED IN-HOUSE
- CUSTOM SHIPPING AND LOGISTICS TO **CUSTOMERS WORLDWIDE**
- ADVANCED PACKAGING FOR SHIP-MENT AND LONG TERM STORAGE

# **Synchronous Upgrades and Conversions**

No One Knows Your Synchronous Equipment Better

#### THE WEG-EM SPLIT DIODE WHEEL

- MAY BE RETROFITTED ONTO ANY SYNCHRONOUS MOTOR
- PROVEN TECHNOLOGY WITH HUNDREDS OF **INSTALLED UNITS**
- COMMON PARTS ACROSS YOUR ENTIRE FLEET
- STAINLESS HARDWARE AND SIMPLE WIRING FOR **EASY MAINTENANCE**
- ELIMINATES BRUSHES AND ASSOCIATED MAINTENANCE



### THE MICROPROCESSOR SYNC-RITE™

- INDUSTRY-LEADING EXCITATION CONTROL
- ALWAYS IN-STOCK AND READY TO SHIP
- RELIABLE PERFORMANCE IN ALL APPLICATIONS
- VISUAL INDICATORS SIMPLIFY TROUBLESHOOTING
- SMALL, POWERFUL, RELIABLE



# **GENERATOR EXCITATION**

- BRUSHLESS EXCITATION CONVERSIONS
- COMPACT DIODE WHEEL ASSEMBLIES
- RUGGED, FORGED CONSTRUCTION
- HIGH POWER OUTPUTS THROUGH 2000A DC
- **GROUND DETECTION AND MONITORING OPTIONS**
- EXCITATION CONTROL, SYNCHRONIZATION, AND MONITORING



