

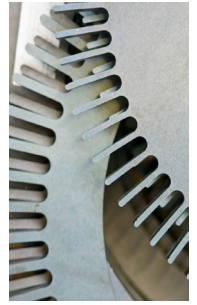
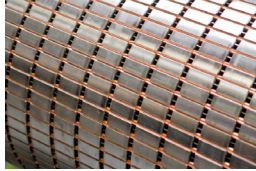
A large, detailed 3D cutaway illustration of an electric motor, rendered in a blue-tinted, semi-transparent style. The motor's internal components, including the stator windings, rotor, and shaft, are clearly visible. The background features a dark blue grid with technical drawing lines and numbers, suggesting a precision engineering environment.

# Wolong Electric European Service Centre

## SPARE PARTS

Our spare parts are stocked in our own warehouses, manufactured by our own plants in Germany, United Kingdom and Serbia.

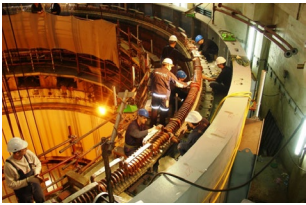
- Overnight express and worldwide shipment to reduce downtime of our customers
- According to our own design
- Reverse engineering for old parts
- Tested quality



## FIELD SERVICES

We provide professional field services. We work closely with our customers to ensure EU Service Centre provide the best solutions for each application.

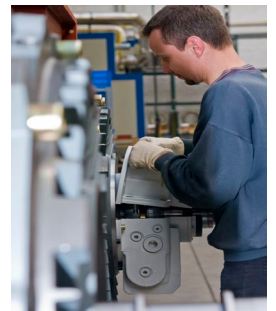
- Commissioning & Start-up
- Alignment Service
- Trouble Shooting
- Overhaul & Diagnostics
- Site Supervision



## REPAIR, RETROFIT & OVERHAUL

All work has the full support of EU Service Centre technical resources.

- Major overhaul/refurbishment of the LV, MV asynchronous, synchronous, DC, motors and Power Generators
- Manufacturing of a spare stator (e.g. recent reference 44pole 3.2 MW, splitted housing, for low speed reciprocating compressor drive)
- Provide complete machining and mechanical repairs – full machining and fabrication capability; shaft manufacturing and replacement; rotor balancing; lamination and core building



## REWIND & COIL MANUFACTURE

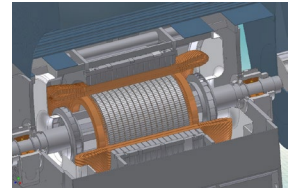
We provide simple rewinds through complex multi speed machines, and specialist redesign including an update service.

- Full rewind facilities up to 45MW and 15kV
- High specification coil manufacture
- Rotor rewind and rebars / induction brazing technique
- Design studies for uprate and modifications
- Flameproof motor repairs
- VPI, resin rich dip and trickle or hybrid impregnation techniques
- VPI Tech System SCHORCH CELASTIC® up to 15kV



## REVERSE ENGINEERING

- Supported by our own R&D department
- Access to all machining resources of SCHORCH, Laurence Scott, SEVER and FOD



## TESTING

Every repaired or overhauled machine will be checked in our own test facility. We provide a wide range of testing.

- Test benches for LV and HV motors
- Tests comply with latest IEC, EN, DIN and ATEX standards; own ATEX expert available
- Test documentation is being issued as a standard
- Complete coil, stator and rotor testing together with load testing to 14.5MW up to 13.8kV
- Full flux and ELCID
- TAN Delta and DLA
- TVA probe detection
- Impulse testing to 100kV
- Vibration and noise testing (60Hz supply)
- Overspeed, locked rotor, torque speed determinant
- Measurement of torque vs speed curves
- Efficiency evaluation
- String test up to 7.8MW (Converter + Motor)
- Partial discharge test
- Loss angle measurement
- Surge test



## DIAGNOSTICS / CONDITION MONITORING

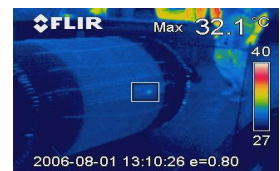
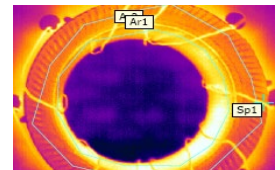
We provide a diagnostic and consultancy service in for reducing downtime of our customers.

### Diagnostics

- Thermographic analysis
- Bearing analysis
- Vibration analysis
- Laser alignment

### Winding diagnostics

- PD-testing
- Tan-delta test
- Baker testing
- Polarization index



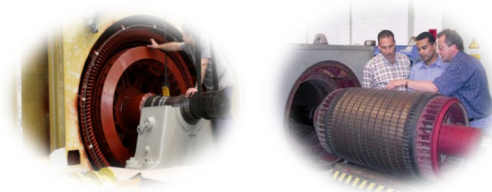
## TECHNICAL CONSULTANCY & TRAINING

Assistance with technical projects.

- Design and feasibility studies
- Advise on equipment modifications up to 15kV
- "Training of customers" staff on site or at manufacturing works

## ALL BRAND SERVICE

We offer a full scope of services for all brands.



## MV DRIVE SERVICE

We offer MV Drive after-sales services. Our RMVC5100 Series has the power range from 200kW to 23MW, voltage range from 3kV to 13.8kV, various cooling types, output frequencies range from 0-50Hz (max 120Hz), and is available in customised containers with self-contained sealed cooling systems for hostile environments and ease of installation and commissioning.

- Technical consultation
- On-site support services
- Software upgrade service
- Hardware upgrade
- Training services
- Routine check
- Equipment maintenance
- Return to the plant for maintenance



## GLOBAL SERVICE NETWORK

### LOCATION

Wolong Electric European Service Centre has its head office in Germany and sales and support organisations in Europe. We have various service stations around the world such as Germany, United Kingdom, Serbia, Italy, and we have close connections with 10 service stations of Wolong Electric Large Drive Group in China.

### GLOBAL SERVICE PARTNERS

We audit and approve service shops and provide supervision support with our European despatched engineers who are already familiar with the product, plus provide product training to the workshops. We have close relationships with many large electrical machine service partners in the Middle East, Australia, U.S.A., Russia, South Africa, India, Brazil, Malaysia and many other parts of the world.

This network of organisations gives us a flexible approach when responding to customers servicing and supply needs.

## Wolong Electric European Service Centre

We provide our customers with 24/7 support.

### GERMANY

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**WOLONG**  
*Power your future*