

TMEiC

We drive industry



Corporate Introduction

Automation Drive and Motor Solutions for Industry

metals

cranes

mining

testing

oil & gas

renewable
energy

power
generation

cement

TMEiC is the leading application expert for high performance drive systems and services, combining strong global capabilities with a flexible customer-centric business approach. As an industrial systems integrator, TMEiC focuses on industrial markets, brings innovation to industry, takes positive and constructive approaches, and evolves continuously with customers.

Built on the proud history of Toshiba and Mitsubishi Electric, TMEiC continues its long tradition of providing high performance, high horsepower drive and motor solutions to customers around the world.

Customer success, every project, every time

TMEiC utilizes a flexible “hands-on” business approach to become a collaborative solutions partner with our customers.

- Listening closely to the needs of our customers
- Highly experienced staff
- Largest team of application expertise in North America with over 300 drive systems experts
- Our experts are available to work closely with our customers



Comprehensive Support and Services

As a systems integrator, TMEiC provides support across the board – from proposing solutions to post-sale customer support services.

- Highly structured Project Life Cycle Process assures execution excellence
- PMI Certified Project Management Professionals minimize issues
- 32 “in-house” dedicated full-time drive systems service experts
- Comprehensive customer support network
- Customer training programs

Superior Power Electronics

Reliable, innovative power electronics and controls are essential elements of our delivered systems.

- Over 30 years of MV Drives experience
- High performance systems drives
- Reliable general purpose Medium Voltage drives from 150 to 120,000 MVA
- High power XL drives
- TMACS Advanced control system
- Drive Navigator



World Leading Motor Technology

With our extensive experience and state-of-the-art technology, we provide world-leading motors that reduce life cycle costs and increase productivity.

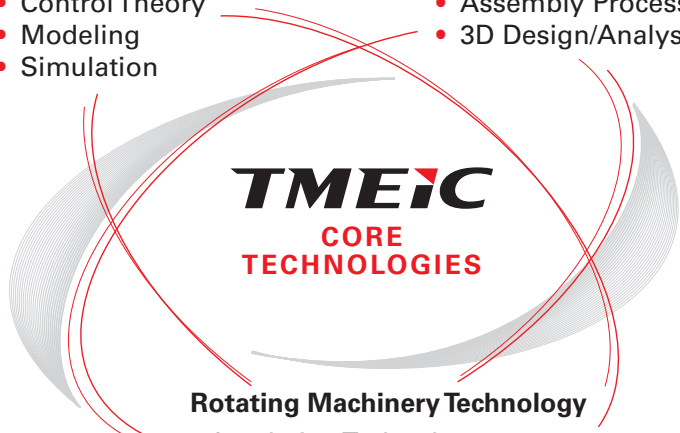
- From basic energy saving AC motors to custom-built high performance motors
- World leaders in electromagnetic and mechanical structure analysis
- Ongoing commitment to high-level motor production technology
- Leader in high horsepower, high performance motor technology
- High quality motors for ultra high speed applications such as turbo compressors

Control Systems

- System Engineering
- Network Technology
- Electromechanical Engineering
- Intelligent Sensor Systems
- Analysis and Synthesis
- Control Theory
- Modeling
- Simulation

Power Electronics Technologies

- Power Semiconductor Application
- High Voltage/High Current Circuit Design
- Controls
- Advanced Digital Circuits
- Software Development
- Assembly Processes
- 3D Design/Analysis Integration



Rotating Machinery Technology

- Insulation Technology
- Cooling and Ventilation Technology
- Mechanical Structure Analysis
- Material Strength
- Vibration and Noise Reduction
- Electromagnetic Analysis
- Tribology

GLOBAL SERVICE

Every Product and System is Supported by the TMEiC Dedicated Global Service Network

Comprehensive technical service is provided by our global service network, supported by TMEiC service engineers with offices and spare parts depots around the world.

- 24 hours a day
- 7 days a week
- 365 days a year

For service and parts, our phone number is available 24/7:

- U.S. Toll Free 1-877-280-1835
- International +1-540-283-2010

Broad Industry Expertise



Oil & Gas

- Production
- Storage
- Pipelines
- Refining
- Petrochemicals



Steel/Non-Ferrous Metals

- Hot Mills
- Cold Mills
- Rolling Mills
- Process Lines
- Long Products



Crane Systems

- Maxspeed® Crane Systems
- Automated Crane Systems
- Maxview SmartLanding® Systems
- Crane Modernizations



Mining

- Conveyors
- Grinding Mills
- Draglines
- Shovels



Testing

- Turbine Generators
- Dynamometers
- Large Gearboxes
- Wind Tunnels



Other Industries

- Photovoltaics
- Electric Utilities
- Water and Wastewater
- Cement
- Paper

TMEIC Products

System Drives

TMdrive®-DC

Up to 19,200 KVA
Up to 1,200 V dc

TMdrive®-10e2

Up to 1,800 KVA
Up to 690V

TMdrive®-70

Up to 30 MVA
3.3 kV



Medium Voltage Drives

Dura-Bilt5i MV

Up to 6.4 MVA
Up to 4.2 kV

TMdrive®-MVG

Up to 11 MVA
Up to 11 kV



XL Drive Family

TMdrive®-XL55

Up to 16 MVA
Up to 6.6 kV

TMdrive®-XL85

30 to 120 MVA
6.6 to 7.2 kV



Photovoltaic Solutions

Solar Ware® Samurai

833 kW, 1.667 MW, 1.833 MW

Solar Ware® 630

630 kW

Solar Ware® Main Site Control

Energy Storage System



Industrial Application Motors



Horizontal
Electric Motors



Vertical
Electric Motors

Special Application Motors



Main Motors
Metal Rolling Mill



Ultra High-speed
Electric Motors

TM-AC Series 800 Frame Motors

Energy Saving AC Replacement Motors



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