



## Corporate Introduction

Automation and Drive Solutions for Industry

metals

cranes

mining

testing

oil & gas

paper

utilities

cement

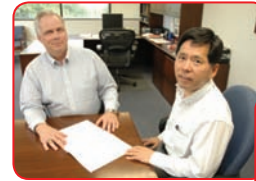
TMEiC is the leading application expert for high performance drive systems and services, combining strong global capabilities with a flexible customer-centric business approach. As an industrial systems integrator, TMEiC focuses on industrial markets, brings innovation to industry, takes positive and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

## GLOBAL SERVICE

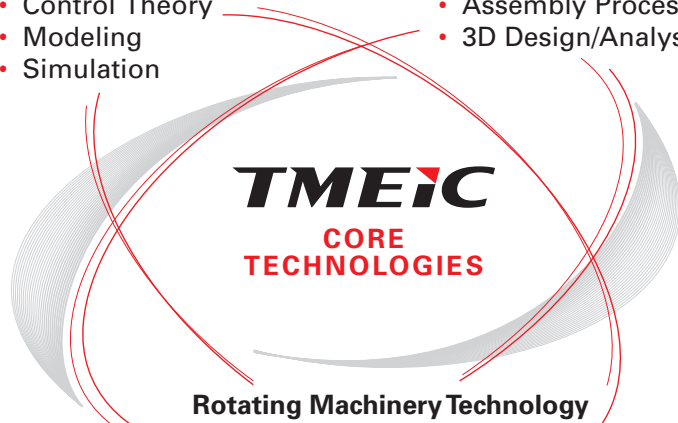
Every Product and System is Supported by the TMEIC Dedicated Global Service Network

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



## Rotating Machinery Technology

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

## Broad Industry Expertise



### Oil & Gas

- Production
- Storage
- Pipelines
- Refining
- Petrochemicals



### Steel/Non-Ferrous Metals

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



### Material Handling

- Maxspeed® Crane Systems
- Automated Crane Systems
- MaxView Smart Landing® Systems
- Crane Modernizations



### Mining

- Conveyors
- Grinding Mills
- Draglines
- Shovels



### Testing

- Turbine Generators
- Dynamometers
- Large Gearboxes
- Wind Tunnels



### Paper Cement Utilities



# TMEIC Products

## System Drives

### TMdrive®-DC

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

### TMdrive®-70

Up to 30 MVA  
3.3 kV



### TMdrive®-10e2

Up to 1,800 KVA  
Up to 690V

## Industrial Application Motors



Horizontal  
Electric Motors



Vertical  
Electric Motors

## 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



## Special Application Motors



Main Motors  
Metal Rolling Mill



Ultra High-speed  
Electric Motors

## 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



## TM-AC Series 800 Frame Motors

Energy Saving AC Replacement Motors



# TMEiC



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*MaxView Smart Landing is a registered trademark of TMEIC Corporation.*