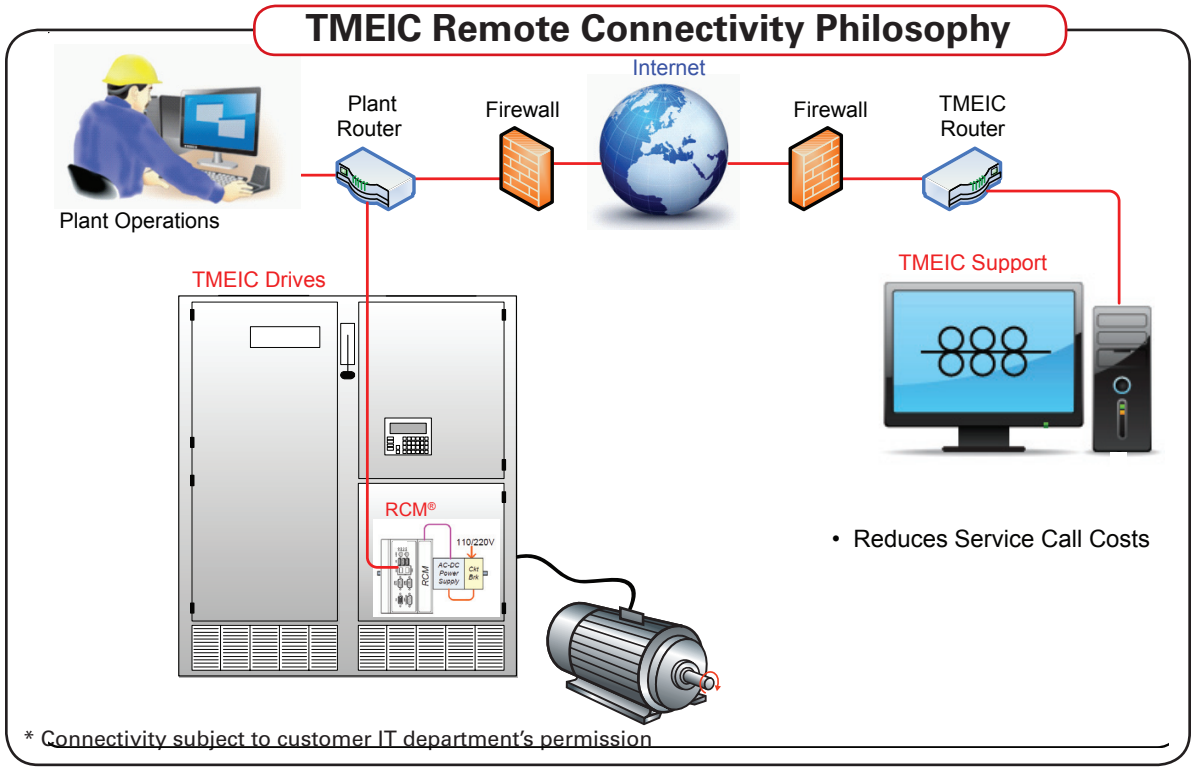
TMEIC
We drive industry

RCM®
Remote Connectivity

At TMEIC, we provide highly-reliable automation systems. Sometimes even the best systems can experience faults. For events we can't foresee, TMEIC offers remote connectivity with RCM® - protection for your investment, by reducing downtime, lowering repair costs and providing peace of mind.

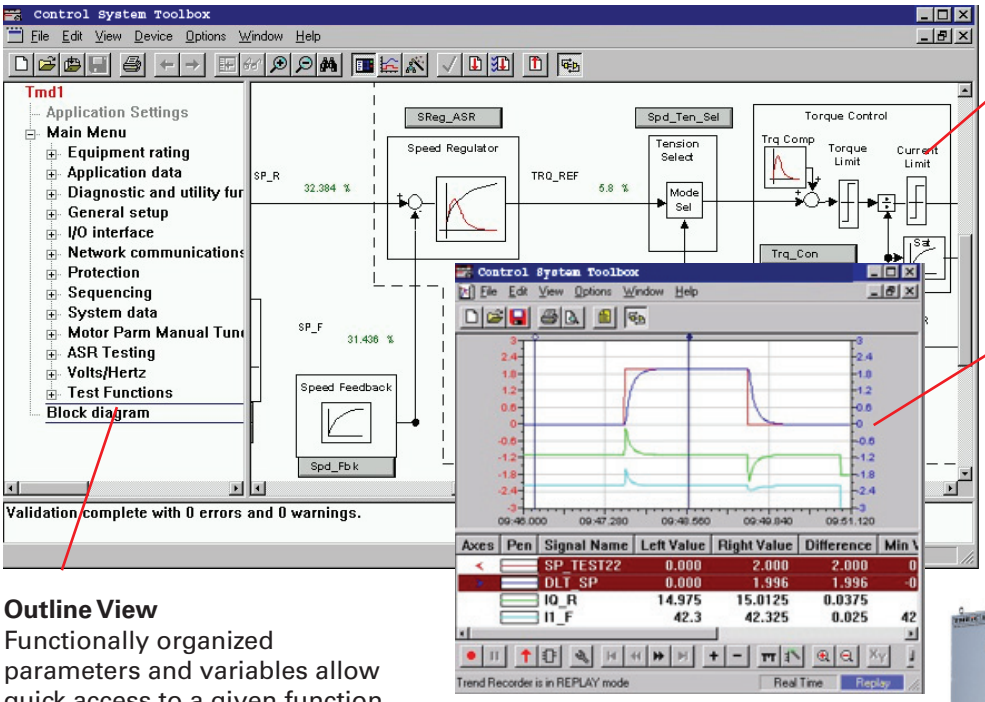
Remote drive connectivity requires an internet connection between your plant and TMEIC for retrieval of fault logs and files for diagnosing drive problems. The **RCM®** enables seamless integration between your drives and our support engineers.



Features	Benefits
• **Reduced downtime and Mean-Time-to-Repair**	**Quick support saves thousands of $ in lost production** TMEIC engineers can quickly connect* to the drive and diagnose many issues in a matter of minutes.
• **Secured connection**	**Customer-controlled access** All remote activity is conducted with permission of the customer. Drive start/stop is not permitted remotely.
• **Fault Upload Utility**	**Proprietary Fault Upload Software** RCM® can monitor key real-time parameters. Historical drive faults are pushed automatically to the computer. This enables TMEIC engineers to analyze the issue resulting in the fault and provide a more coherent solution.
• **Industrial computer**	**Ruggedized computer for the most demanding applications** Fan-less computer withstands high vibration and temperature ranges in a small DIN-rail mounted footprint
• **Multiple ethernet/serial ports**	**Flexible connectivity** The module can be connected to two separate LAN's along with a host of serial-talking/USB devices.

Toolbox for Configuration and Monitoring

The TMEIC Toolbox empowers the user or the service engineer to "look" into the drive, making drive diagnosis simpler. The Control toolbox is the same software used by our highly-trained commissioning engineers.



Block Diagram
Provides an animated graphical display of drive sequencing and regulation functions. Animated variables are shown in green. Buttons are used to navigate to associated functions.

Trend Window
Integrated trend window featuring:

- Real-time trending of drive variables with drag-and-drop configuration.
- Configurable capture buffer-based trending for process analysis.

Outline View
Functionally organized parameters and variables allow quick access to a given function.

RCM® mounted in the drive

RCM® reduces repair time

Three fault situations resolved remotely by TMEIC engineers using RCM® are described below. In each instance, no service call was required, resulting in quicker resolution and less down time.

Industry Segment	Hot Strip Mill, USA	Cement Plant, Barbados	Ship-to-Shore Crane, USA
Event	Drive suddenly faulted	Drive faulted multiple times	Drive faulted randomly
Action through RCM® connection	TMEIC engineers reviewed drive settings and fault history.	TMEIC engineers reviewed drive settings and fault history.	TMEIC engineers connected to the drive and concluded the problem was inconsistent feedback signals.
Cause	Motor insulation failure	Firing card failure	Loose analog wire to the PLC
Resolution	Recommended customer to repair the motor	Directed customer to replace defective card with a spare	Directed customer to tighten loose wires to the PLC
Resolution time	120 minutes	150 minutes	4 hours

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