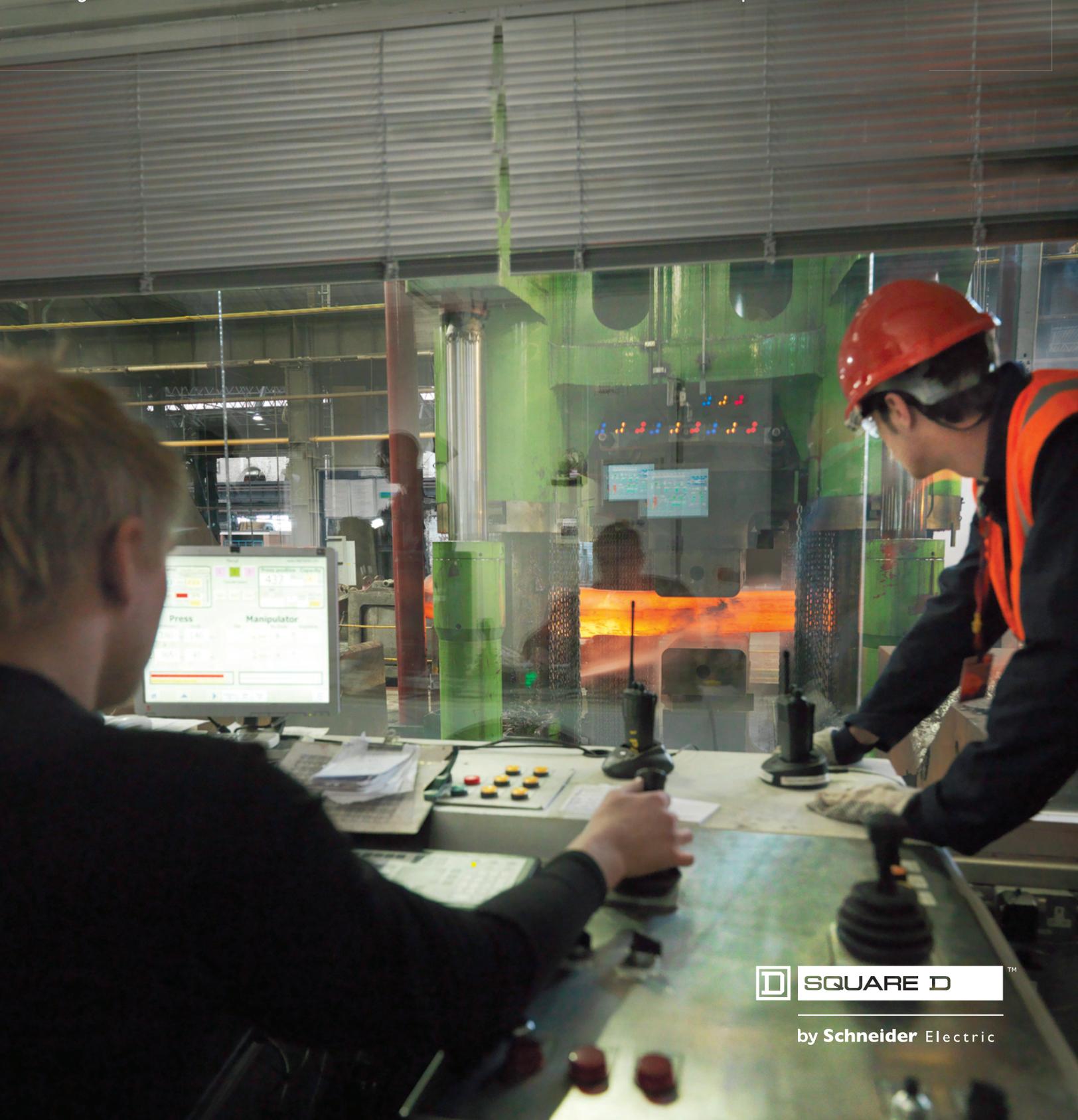


Having communication issues?

Model 6 intelligent Motor Control Centers helps you communicate on all standard platforms!



SQUARE D™

by **Schneider Electric**



An intelligent solution.

Intelligence. We're all striving for it. Achieving it requires information that answers the big questions and leads to smart choices.

The Square D™ Model 6 intelligent Motor Control Center (iMCC) offers solutions to address your questions.

- How do I eliminate the cost of field wiring hundreds of I/O points?
- Is there a way to streamline troubleshooting?
- How do I predict unscheduled downtime?
- Do procedures exist for proper wire labeling and documentation?
- Can I utilize an existing PLC or factory network?

Factory wiring, popular network protocols, and extensive testing and documentation can make your MCC installation simple. Whether your application calls for hard-wired I/O or a network solution, Square D Model 6 iMCCs can deliver the integrated package while reducing acquisition, installation, and commissioning costs.



Industry-leading components



Network communication protocols of your choice CANopen, DeviceNet, Ethernet, Modbus™, PROFIBUS...

A key feature of our *i*MCC solution is the integration of intelligent devices and device-level networks for control and automation that delivers improved performance. Popular network protocols such as CANopen, DeviceNet™, Ethernet, Modbus and PROFIBUS communicate directly with every unit of the *i*MCC connecting centralized control and widely distributed I/O. The network of your choice creates a common thread for a variety of motor control equipment that not only improves control, but also allows for simple and easy installation and operation.

Networking allows for easy monitoring of critical data of each motor or load connected to the *i*MCC, enabling precise process control at all times. With this information, your staff can respond to potential problems proactively. Real-time access to information and records of last faults allow for simplified diagnostics and reduced downtime.

Using network control to consolidate all I/O communications significantly reduces the amount of tedious wiring that would normally be required for a hard-wired I/O MCC with

similar functionality. The network cabling consists of a five-conductor cable and is constructed into the topology that is appropriate for your networked solution. Our industry-leading full-depth wireway effectively separates network cabling from high voltage cabling. Additionally, our standard wireway barrier isolates the communication cabling from the load cabling routed in the vertical wireway.

Experience the benefits of an *i*MCC network:

- Remote monitoring capability
- Reduced downtime and system interwiring
- Control to every bucket
- Lower commissioning costs
- Flexible configuration
- Cabling system compliant to applicable standards. DeviceNet solution is Open DeviceNet Vendor Association (ODVA™) certified.



TeSys™ T Motor Management Controllers

Delivering effective protection and control functions to minimize production shutdowns. Configurable functions include overload/underload, phase loss/imbalance, stall, jam, zero sequence ground fault, restart delay

timers, and PTC thermistor inputs. Completely open, TeSys T controllers can be incorporated in all industrial communication protocols available: CANopen, DeviceNet, Ethernet, Modbus and PROFIBUS.

iMCC: Delivering quality, innovation and reliability.



Shrouded power stabs
Protects the power stabs against damage during unit maintenance and provides a self-aligning method for installation of units and connection to the vertical bus.



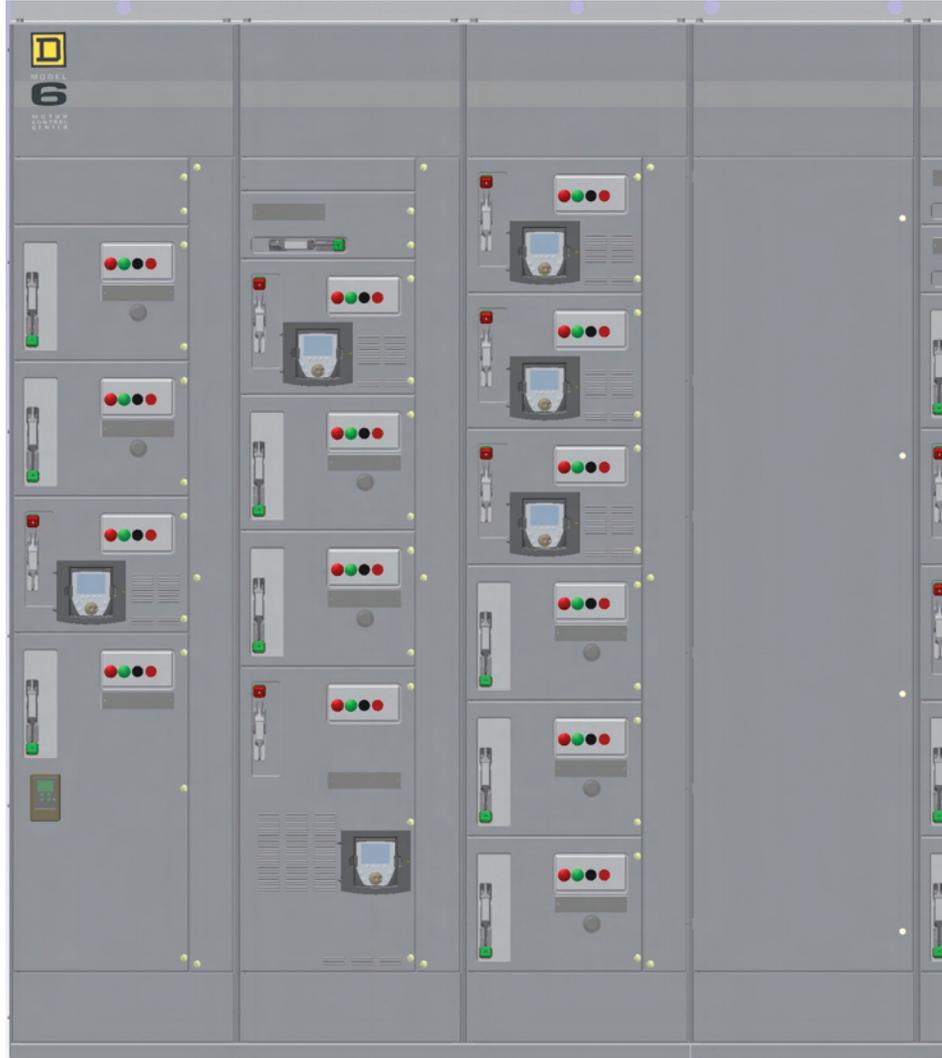
PowerLogic™ circuit monitor
Replaces a variety of meters, relays, transducers and other components. This multifunctional digital metering and monitoring device displays metered values plus extensive min/max alarm, analog/digital input and other key data for local viewing.



PowerPact™ electronic motor circuit protector
The PowerPact MCP offers simple solutions that deliver more reliable start-ups, better protection and a complete adjustment range for your motor starters.



Cast metal handle
An industry-exclusive feature, more rugged than composites, the metal handle clearly indicates disconnect status, including a “tripped” circuit breaker.



Structural integrity.

The strong, durable Square D Model 6 iMCC structure reflects a commitment to quality unsurpassed in the industry. The welded side



frames and oversized channels establish the structural ruggedness to meet the most demanding applications.



Altivar™ AC drives

Featuring highly expandable I/O, communication, and programmable controller cards, with more than 150 built-in functions, Altivar AC drives are ideal for any application. A long product life and reliability are assured by protective features at all levels.



Sliding horizontal bus barriers

The sliding panel design provides easy access to the horizontal bus so preventative maintenance is quicker and easier. A non-conductive material enhances operator safety when performing predictive maintenance. An integrated track system means you do not need to remove the panels to splice or inspect the horizontal bus connections.



TeSys™ T motor management controller

The innovative TeSys T motor management controller product offers the greatest degree of flexibility for selecting the amount of motor protection, control and automation you require. Fully integrated in the Square D Model 6 iMCC utilizing the latest protection technology compatible with all existing industrial communication protocols.



Versatility.

The Square D Model 6 iMCC offers flexibility to meet your requirements with the integration of a wide selection of intelligent components. Components include electromechanical motor starters,



solid state soft starters, adjustable frequency drives, programmable logic controllers and power metering and monitoring units.

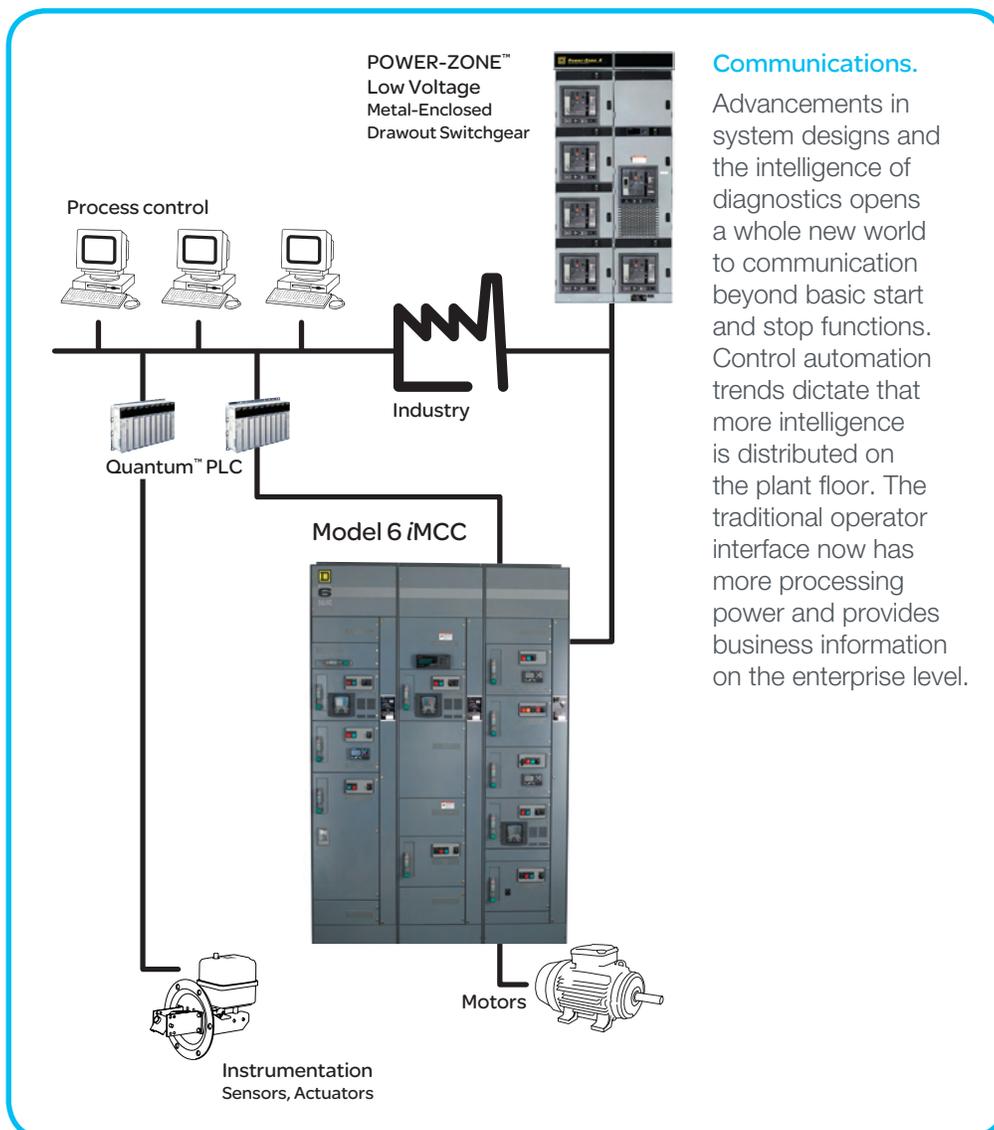
The right information. At the right time.

Square D™ Model 6 iMCC

Streamline troubleshooting and maximize uptime by incorporating “intelligent” components and cabling solutions into your motor control center.

We’ve made it easier to gain access to the information you need in real time, around the clock, from anywhere. Our solutions work on open Modbus™ and Ethernet standards. You can monitor AC drive parameters, view full voltage starter status, spot abnormal conditions immediately, and quickly diagnose equipment failures from any networked computer using any standard Web browser.

It is quick and easy to integrate into your local area network (LAN). Just obtain the IP address, subnet mask and default gateway from your network administrator and connect with a standard 100Base TX twisted pair. It’s that simple. Authorized users who have access to your company intranet will have the freedom to check power system information whenever they need. And it does not stop within the walls of the facility. If external access is granted, you can check power system information as easily as you can check your email.



Delivering a basic hard-wired I/O solution.

Programmable Logic Controllers (PLCs) or Distributed Control Systems (DCSs) are often part of a networked process. With the basic hard-wired I/O solution, the *i*MCC is factory wired and labeled, tested, and documented, eliminating the time and cost associated with routing, terminating, and labeling of hundreds of wires during installation. Whether a stand-alone processor or several remote I/O drops, you can integrate your hard-wired control scheme into our *i*MCCs.

Basic hard-wired I/O delivers a classic approach to troubleshooting during a production breakdown. Electricians and technicians are familiar with this construction and can easily pinpoint problems without additional training.



Flexibility

Choose various distributed I/O configurations with unit mounting or full section mounting options.

Efficiency

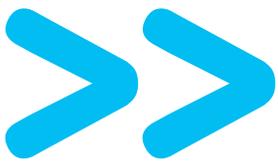
Basic solutions allow automation integration capabilities without complexity. Electricians and technicians can easily perform their functions without additional training due to the familiar construction and equipment.

Accuracy

All connections and wire harnesses terminate to pull-apart terminal blocks to reduce errors. Complete factory testing ensures meticulous quality control.

Versatility

You select the choice of CPU and I/O styles for the system that meets your needs. Options range from the high-end, full-function PLC designed for high-performance industrial applications to the more compact mid-range device. The choice is yours.



Achieve a new level of *intelligence*.

For more information on how our intelligent motor control centers can integrate into your communication protocol of choice, visit www.schneider-electric.com/ca or call 1-800-565 6699.

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