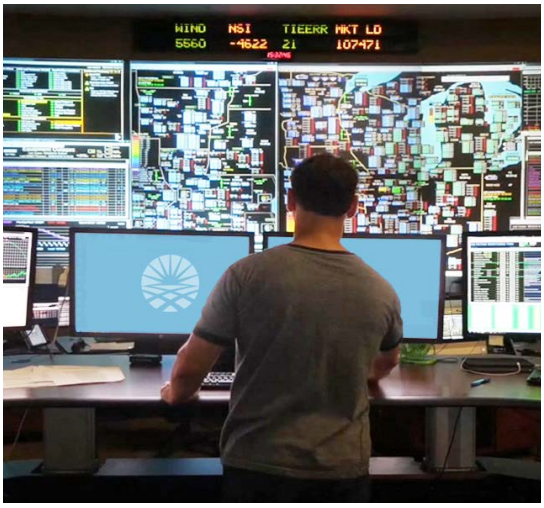
Operations of the Future: Building the Capabilities to Manage a More Complex Grid

MODERN SYSTEMS FOR A MODERN GRID

The grid of the future demands faster decisions, deeper foresight, and greater resilience. As more of our power comes from weather-dependent sources, severe weather events intensify, and new technologies reshape the system, MISO's operational role is becoming more critical. We're working to ensure that our people, tools, facilities, and processes evolve to keep pace with this complexity. We're focused on:

- Building operator capabilities, tools, and automation
- Managing reliability risk in grid operations
- Strengthening emergency preparedness, tabletops, and simulations
- Redesigning workspaces to support modern operations



BUILDING NEXT GENERATION CONTROL ROOMS

To meet these objectives, MISO is building next-generation control rooms that blend predictive analytics, automation, and operator expertise to support growing energy needs and a rapidly changing power grid.

As part of this effort, we're upgrading many of the tools we use to run the energy market and operate the grid. **New, faster systems** will help us better forecast energy needs, schedule power plants more efficiently, and give operators clearer, real-time information to keep electricity flowing reliably. We're also redesigning control room spaces to help operators stay focused and effective around the clock. Improved layouts will make it easier for teams to communicate and respond quickly to any situation.

In addition, we're **strengthening security and enhancing technology** with improved network monitoring and stronger identity-verification tools. These improvements will help MISO safeguard the grid against evolving threats and uphold the highest standards for critical infrastructure protection.

By investing in modern technology, smarter data tools, and stronger security, MISO is ensuring our grid—and the systems that support it—remain **reliable, resilient, and ready for the future.**

Primary Control Room Construction Timeline

AUGUST 2026	SEPTEMBER 2026	LATE 2027
Daily operations move to backup control room	Demolition and construction begin	New control room begins operations

Read the MISO Reliability Imperative report on misoenergy.org