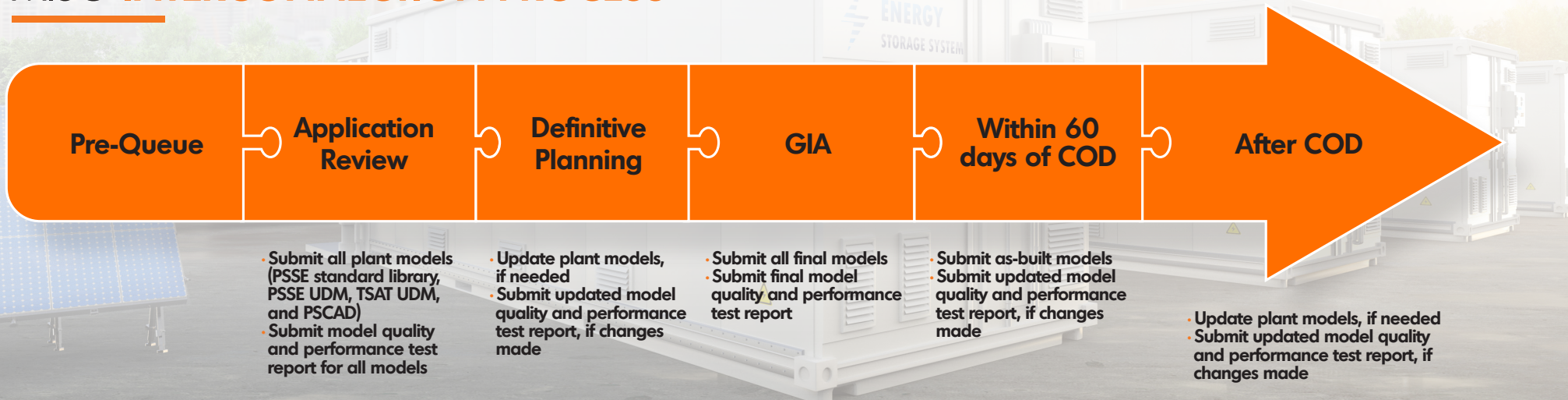


EXPERTISE IN THE MISO REGION

- ▶ Vast experience supporting generation, transmission, and large load developers across the MISO footprint (15 U.S. states and Manitoba, Canada).
- ▶ Deep engagement with MISO's **Generator Interconnection Queue (GIQ)**, **Market Efficiency Projects (MEPs)**, and **Transmission Expansion Planning (MTEP)**.
- ▶ Specialized knowledge of MISO's **sequential interconnection process**, **clustered DPP studies**, and **capacity accreditation rules** for renewables and storage.
- ▶ Experienced in MISO's seasonal accreditation reforms (including Effective Load Carrying Capability (ELCC)-style methods for variable and hybrid resources).
- ▶ Decades of support for Independent Power Producers (IPPs), Transmission Owners (TOs), and utilities in MISO.
- ▶ **Full lifecycle support:** feasibility » interconnection request » study process » modeling & compliance » post-COD performance validation.
- ▶ **Competitive Transmission:** Expertise in supporting MTEP "Eligible Projects" and developer participation in MISO's Competitive Developer Selection Process.

MISO INTERCONNECTION PROCESS



MISO GENERATION INTERCONNECTION PROCESS:

Pre-Application / Feasibility Stage

- ▶ Point of Interconnection (POI) screening and injection capability analysis
- ▶ Early scoping of deliverability and congestion risk

Application & Queue Entry

- ▶ Generator Interconnection Request (GIR) preparation in MISO’s DPP clusters
- ▶ Model development (PSS®E, PSCAD, ASPEN, TSAT)

Definitive Planning Phase (DPP)

- ▶ MISO’s clustered DPP runs Phase 1 (Prelim SIS, DP1 ~140d) → Phase 2 (Revised SIS & IF FS, DP2 ~80d) → Phase 3 (Final SIS & NU FS ~135d), culminating in GIA execution.
- ▶ Proficient at System Impact Studies (SIS), Facility Studies, Short-Circuit & Stability analysis at different stages of DPP cycles
- ▶ Mitigation planning with TOs and MISO staff

Construction & COD

- ▶ Interconnection agreements and TO coordination
- ▶ Commissioning testing and compliance validation (MOD, PRC, IEEE 2800)

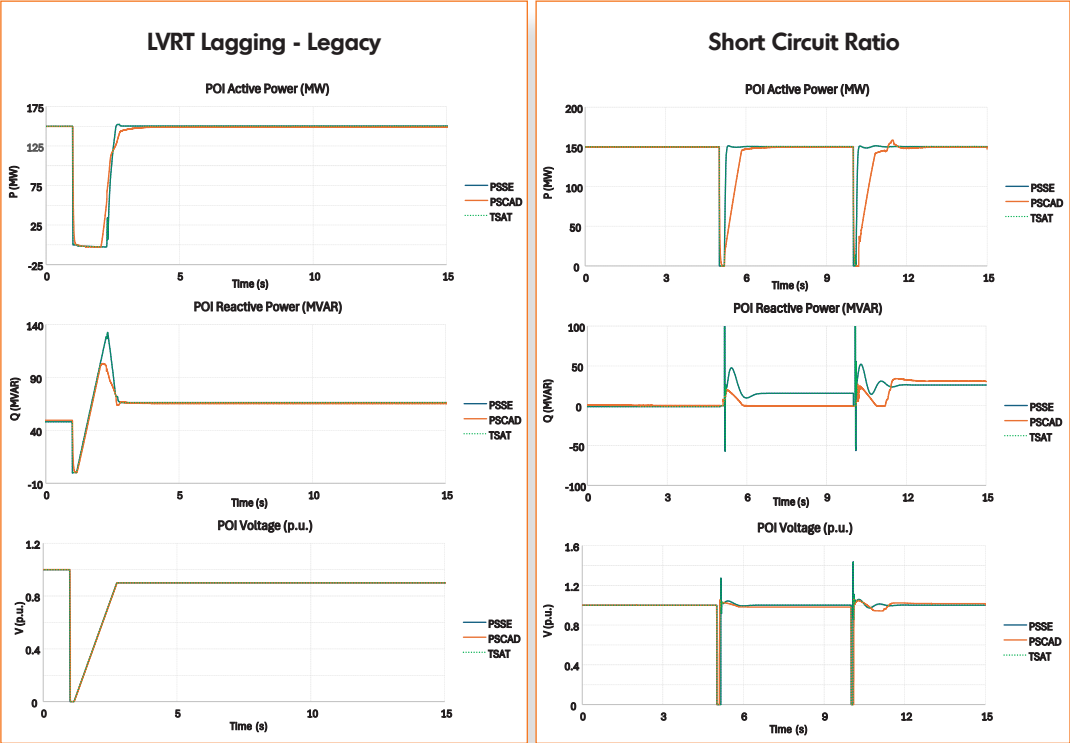
Post-COD

- ▶ Ongoing NERC compliance, as-built modeling, and market participation support

RMS Services:

- ▶ Shadow studies to anticipate MISO results (congestion, curtailment, system upgrades)
- ▶ Interconnection application packages & technical filings
- ▶ Detailed stability & EMT studies for inverter-based resources (IBRs)
- ▶ Support for **DPP Phase I, II, III deliverables** and TO coordination
- ▶ Representation in stakeholder processes (MISO PAC, Planning Advisory Committee)
- ▶ **Competitive Transmission advisory:** Assistance in project qualification, bid preparation, and technical studies for competitive transmission projects under MTEP.

MISO MODEL QUALITY TEST	
TEST #	TEST NAME
1	No-disturbance/Flat run
2	3φ fault ride-through (benchmark)
3	Small voltage step
4	Small frequency step
5	HVRT
6	LVRT
7	HFRT
8	LFRT
9	Protection coordination check
10	Weak-grid (SCR) check



RMS TECHNOLOGICAL EXPERTISE IN MISO

Generation Resources

- ▶ Onshore Wind (Midwest, Plains)
- ▶ Solar PV & Hybrid PV+BESS
- ▶ Battery Energy Storage Systems (BESS) – transmission & distribution applications
- ▶ Gas & Thermal generation repowering support
- ▶ Hydroelectric coordination with Manitoba Hydro

Large Load / Data Centers

- ▶ Expertise in **hyperscale AI & cloud data centers** (Midwest interconnections exceeding 1 GW)
- ▶ Load interconnection modeling, power quality, and reliability risk assessment

Transmission & Grid Enhancing Technologies (GETs)

- ▶ FACTS, STATCOM, SVC integration for voltage support
- ▶ AC/DC line upgrades, underground/submarine cable analysis
- ▶ Dynamic Line Ratings and reconductoring solutions

Study Capabilities

- ▶ PSS®E, PSCAD, ASPEN OneLiner, TSAT
- ▶ Short-circuit, transient stability, and voltage stability
- ▶ EMT studies (TOV, TRV, Harmonics, SSR screening)
- ▶ Reactive capability and ride-through performance per NERC PRC-024 and IEEE 2800-aligned requirements; model verification per MOD-026/027.

CASE STUDIES, COMPLIANCE & VALUE PROPOSITION



Case Studies & Specialized Support in MISO:

- ▶ **Cluster Queue Support:** Assisted developers in navigating MISO DPP cluster studies, reducing risk of costly network upgrades.
- ▶ **Data Center Interconnections:** Supported giga-scale load projects with EMT analysis and harmonics compliance.
- ▶ **Transmission Owner Coordination:** Partnered with TOs on stability studies, SSR assessments, and large-scale renewable tie-ins.
- ▶ **Competitive Transmission:** Supported developers in MTEP "Eligible Projects" and Competitive Developer Selection Process.

Regulatory & Compliance Expertise:

- ▶ NERC TPL-001-5 reliability studies
- ▶ PRC-024, PRC-019, PRC-026 validation testing
- ▶ MOD-026/027 model verification
- ▶ IEEE 2800 compliance for IBRs in MISO's market
- ▶ Ongoing monitoring for MISO's evolving accreditation and resource adequacy rules

Why RMS Energy for MISO?

- ▶ Proven track record across all U.S. ISO/RTOs
- ▶ Deep bench of engineers with **400+ years of combined expertise**
- ▶ Strong relationships with MISO staff, Transmission Owners, and OEMs
- ▶ Ability to deliver both **developer-side support** and **utility/TO studies**
- ▶ End-to-end project lifecycle partner: from **concept » interconnection » operation » repowering**

