Real-time Operation Control Center

Trimark's OCC Supports Utility-Scale Renewable Energy Services With 24/7 Real-time Monitoring, Dispatch, & Analysis

Regulatory Operations Mandates

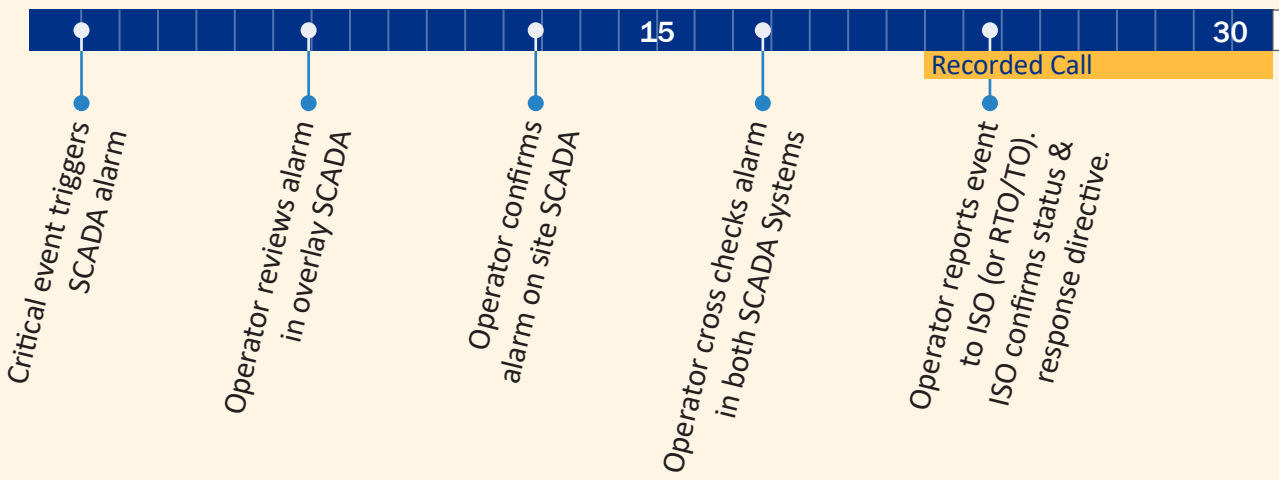
Criticality	Description	Operator Response
Low /Advisory	Informational or non-urgent deviations	> 15 minutes / monitored
Medium	Abnormal condition needing correction but not immediately threatening	5–15 minutes
High/Urgent	Could escalate to emergency if not addressed (overloads, abnormal voltages, contingency violations)	< 1–5 minutes
Emergency/Critical	Immediate threat to BESS reliability (loss of load, cascading risk, voltage collapse, stability issues)	0–30 seconds immediate action, no delay

OCC Performance Targets

- 99.9% Availability
- 98% Data Capture
- 100% of Compliance Events Reported
- 24/7/365 Coverage
- <30 Second Response to "Critical" Alarms

30 Seconds in the OCC

Regulatory-required "Critical" alarms must be acknowledged within 30 seconds. "High" alarms must be acknowledged within 5 minutes.



Example Operator Responses

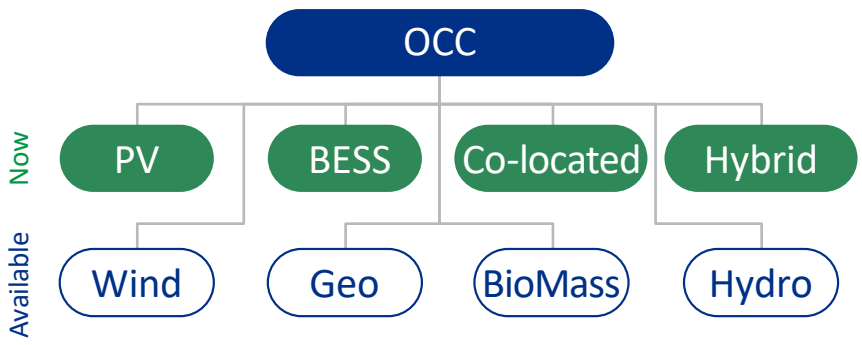
Depending on the alarm, the ISO/RTO/TO may direct the OCC Operator to:

- Place resource in safe state
- Provide manual telemetry (phone/email)
- Conduct controlled restart if permissible
- Manually return voltage to compliance

OCC Operator and Compliance Manager will:

- Log deviation event and reason
- Assemble Audit package with alarm detail, recordings, and related data
- Open maintenance ticket (if applicable)

Focussed on Renewable Resources

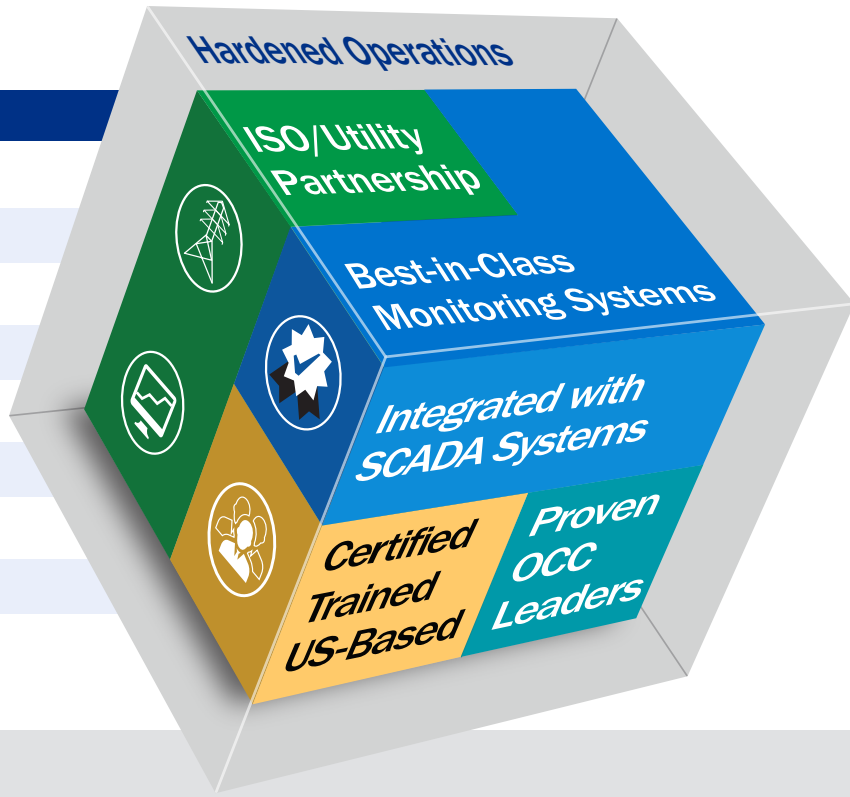


Support at Every Stage

Development	Construction	Operations
Planning ensures your OCC is contracted and ready for operations	OCC supports required control and monitoring during energization	Support grid stability and meet regulatory requirements

Core OCC Capabilities

Function	Details
Real-Time Monitoring & Dispatch	24/7/365 asset oversight, respond to grid/operator signals
Compliance	NERC, regional and contractual standards, event logging
Alarm/Event Management	Detect/respond to trips, curtailments, remote resets
Remote Control	Start/stop, change operating modes/setpoints, regulate
Communications	ISO/RTO instructions, owner notifications, outage logs
Cyber & Physical Security	Baseline NERC-CIP controls, monitor access
Performance Optimization	Analytics, KPI reporting, and maintenance tracking
Outage Restoration	Manage safe shutdown/start-up, coordinate repairs
Documentation	Comprehensive logkeeping for audits and review



Trimark

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