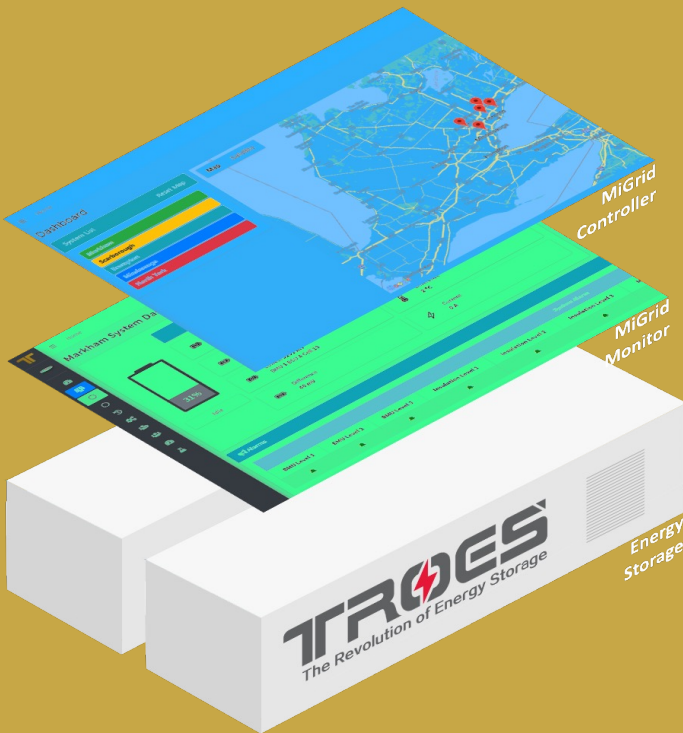


MiGrid™ Monitor

Cloud Based Remote Monitoring System



CHALLENGES:

How do we accurately monitor the safety of battery energy storage systems?

How do we ensure ideal operation and identify potential performance issues?

How do we safely log key data for system optimization in the future?

TROES' MiGrid™ Monitor System:

Comprehensive Controls

Real-time status display and system controls

Diagnostics

Remote battery fault detection and management

Cloud-Based Operation

Logging performance data to a secure cloud platform

Optimum Battery Management

Providing operation data for Battery Management System update



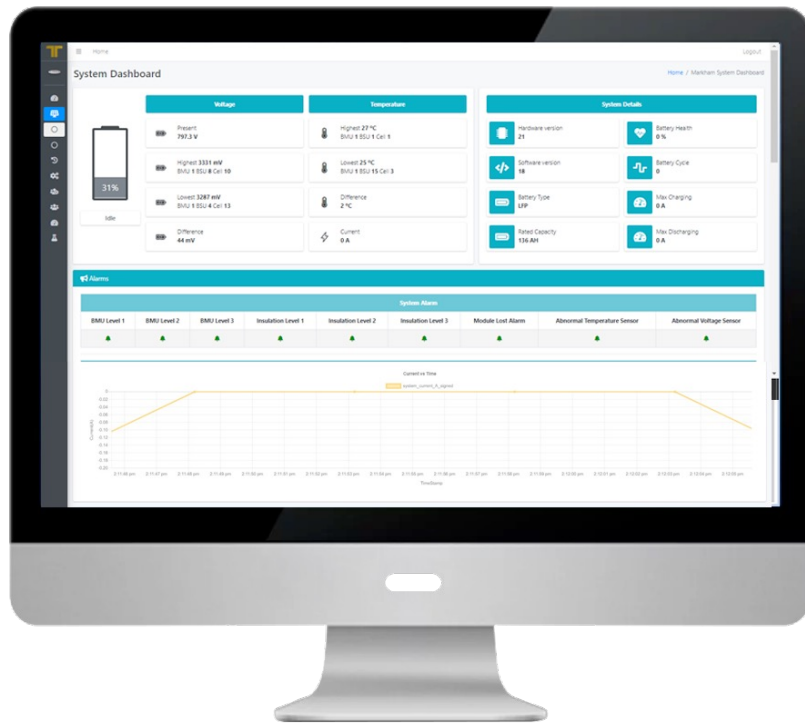
ABOUT THE SYSTEM:

MiGrid™ Monitor is TROES' proprietary remote monitoring system that leverages modern cloud infrastructure to enable easy and effective remote access to installations of TROES' energy storage systems.

The remote monitoring system in conjunction with TROES' Battery Management System (BMS) ensures:

- Performance Monitoring
- Alarm Monitoring
- Diagnostics
- Performance Optimization

MiGrid™ Platform is accessible through a web browser and is updated remotely. It allows system visibility across various sites.



Alarm History

System alarms displayed in hierarchy of warnings and alerts; history stored in a secure cloud database.

Alarm Messaging

Continuous monitoring, detection and alert signals sent to operators via email and SMS.

Alarm Type	Alarm Level	Alarm Reasons
System Alarms	1	High temperature discharging alarm
	2	Low temperature charging alarm
	3	Low temperature discharging alarm
BMU 1 Alarms	1	Pressure differential alarm
	2	Over current charging alarm
	3	Low temperature discharging alarm

