



# **BATTERY HEALTH MONITORING SYSTEM**

**LEADACID 12V**

## **DATA CENTER**

### **1. Overview**

A global telecom and cloud network infrastructure provider operates large-scale data centers to manage critical customer data. Their operations demand uninterrupted uptime and high battery reliability to support fixed and cloud network services across the globe.

### **2. How Sosaley Made a Difference**

Sosaley Technologies implemented its Battery Health Monitoring System (BHMS) for 12V lead-acid battery banks to ensure stable operations and eliminate unplanned shutdowns. The system enhanced visibility, predicted battery issues, and enabled proactive management for uninterrupted data center performance.

#### **Key Benefits:**

- Real-time monitoring of voltage, current, and temperature.
- Instant alerts through custom threshold-based notifications.
- Predictive analytics to forecast battery failures and support preemptive maintenance.
- Efficient replacement of underperforming batteries, avoiding risks to the full bank.
- 20% annual cost savings from minimized disruptions and maintenance efficiency.