



Battery Monitoring System

DATA CENTRE

INTRODUCTION

Sosaley Technologies Private Limited is an Indian-based company focusing on manufacturing indigenous Battery Management systems for Lithium-ion, Lead-acid, and Ni-cad batteries.

Sosaley Technologies Private Limited is expertise in BMS and helps its customers in improving their business efficiency, reducing their operating costs, optimizing their energy usage, and ultimately, increasing their profitability.

We have Research & Development experience of more than 12+ years and 5+years particularly in BMS.

INTRODUCTION - CLIENT

The company created the technology that helps the world act together. The company has a large data center to maintain and manage the customer's data.

As a trusted partner for critical networks, the company is committed to innovation and technology leadership across fixed and cloud networks. Adhering to the highest standards of integrity and security, it helps to build the capabilities needed for a more productive, sustainable and inclusive world.

PROBLEM STATEMENT

- As per the data center, energy management is concerned, Battery Monitoring System should be installed in the batteries used for UPS power backup to comply with the international standard.
- Unexpected power shut-down leads to immense financial loss.
- Lack of maintenance and monitoring of the room temperature affects the battery's health and also leads to catching fire.

ROOT CAUSE

- Single battery failure will lead to battery bank failure.
- Improper maintenance of the room temperature will affect battery life.
- Unable to predict the battery health.

SOLUTION

- Ambient temperature and battery terminal temperature can be noticed via our BMS.
- Sosaley BMS will make the system comply with international standards.
- Individual battery monitoring can be done.
- Battery health is monitored via BMS.
- Charge and discharge current will be noticed.
- 24/7 alerts via SMS, and emails.
- Historical data for future analysis or data logging.
- Report generation
- Data Security

OUTCOME

- With Sosaley BMS, the UPS power backup system of the Data Center is in compliance with international standards.
- To stop unexpected power shutdown.
- BMS can prevent battery failures.
- To maintain proper room temperature.
- BMS can save operational costs.