

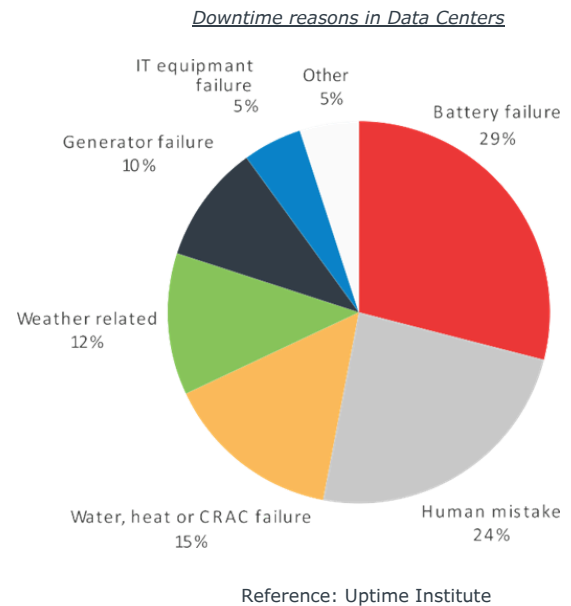


ALPAIS

BATTERY MONITORING SYSTEM
UPS & DATA CENTER SOLUTION

Why do you need a battery monitoring system?

- **29%** of the downtime in the Data Centers is directly related to **battery failures**.
- Alpais monitors **string and ambient parameters** along with the **individual batteries**.
- Alpais's **constant measurements** and **real-time notifications** also eliminate **human mistakes**.
- Thus, the Alpais Battery Monitoring System helps **avoid**, approximately **70%** of the **downtime reasons**.



Overview of the Alpais Battery Monitoring System



Alpais is specially designed **to monitor the UPS batteries and Data Center applications** and for use in **critical power infrastructure and battery backup systems**.

Battery temperature, internal resistance, battery voltage, string voltage, and current, plus the ambient temperature and humidity are the measurement parameters.

With **constant monitoring** of the most important parameters, **Alpais** presents the **most efficient solution** for **Data Centers** with **real-time notifications**.

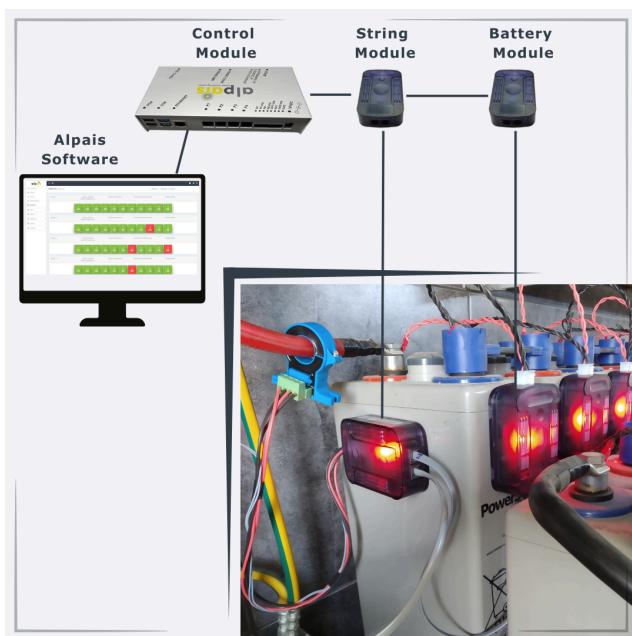
Furthermore, Alpais can communicate with external systems like, **SCADA**, and **DCIM** by supporting **SNMP, Modbus RTU, Modbus TCP/IP**, etc.



Remarkable Features for UPS & Data Center Applications

- VRLA, VLA, and Ni-Cd battery compatibility
- Immediate detection of the batteries that have manufacturing failures
- 480 - battery on 4 strings
- Multiple locations on 1 single screen
- Multiple users with different authorization levels
- Automatically addressing for Battery Modules
- SNMP, Modbus, Dry Contacts
- 2 different levels of notifications
- Graphical tools to determine the battery performance trends in time,
- Email, SMS, and buzz notifications
- 3 LED sources on modules for on-site detection
- Reporting in PDF and CSV format
- Daily, monthly, or yearly reports
- Recording of constant measurement and alarm logs
- More than 10 years of historical data

Alpais Battery Monitoring System's Components



- ✓ **1 Battery Module** for each battery
- ✓ **1 String Module** for each string
- ✓ 1 Control Module for 4 String Modules
- ✓ **1 String Module** can connect **120 Battery Modules**
- ✓ The **colorful** and **user-friendly** interface of **Alpais Software**

Measured Parametres

- Internal Resistance
- Battery Voltage
- Battery Temperature
- String Voltage
- String Current
- Charge/Discharge Cycles
- Ambient Temperature
- Ambient Humidity

About Alpais

Alpais is Turkiye's first and only battery monitoring system with an original design, with its unique technology, innovative product development, and customer-oriented services for UPS & Data Center and other applications.