



## CASE STUDY

# Smart UPS system





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## Overview

Client wanted to design and develop an efficient and cost-effective electrical energy saving solution for Uninterruptible Power Supply (UPS) systems by implementing a system that optimizes the charging and discharging of batteries based on predefined time schedules. This solution is developed by Corefragment Technologies which meets client criteria.



Region  
USA



Industry  
IoT

## Use cases



Energy saving & cost optimization



Remote monitoring and control of UPS system



Scalable and Reliable cloud-based platform





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## Development insights



Each battery has a special part that checks how much voltage and current it has. There is also one main control unit for the inverter, one unit to connect everything, and a part to monitor the current.



A special software called an SDK was created. This software works with a web application that you can use on a handheld device. It lets you control the battery system from far away and access it through the internet, like using the cloud.

## Technology used

