

## Middle East Monitoring Station

Developing a battery pack that withstand the harsh climate of the Middle East and provide backup power capabilities.

### The Challenge

The client was developing a UPS system to be used in the Middle East in a Data monitoring station, the problem they faced was finding the right battery that can act as a UPS battery and be able to cope with increased heat thrown at it. Along with the environment the other challenge the client faced was finding a battery that can fit in the space available.



### Solution

DMS technologies was approached due our expertise with providing bespoke battery solutions to Military Clients. We opted to use the Cyclon Cells due their ability to operate in temperatures of  $-40^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ .

We produced the packs as a 12V 8Ah 2x3 configuration with the added capability to be connected in parallel to increase capacity. This design also allowed the packs to be mounted vertically in order to limit the amount of space used

### Key additional features

- Absorbed Glass Mat (AGM) Construction – Maintenance Free, Non-Spillable
- 15 Year Design Life
- Wide Operating Temperature Range
- Excellent Cycling Capability
- Very High Energy Density
- Very Low Internal Resistance