

# Critical Power Support for the Harshest of Climates

our case study



**Daronmont Technologies**  
Creating Enduring Advantage

## WHO WE ARE

PowerShield is an Australian company that specialises in power protection and uninterruptible power supply (UPS) equipment. With a focus on Oceania, PowerShield designs and produces products that are specifically tailored to the unique power needs of the region. The company is dedicated to ensuring that everyone in Oceania has access to consistent clean power and focus on the development of innovative solutions that meet this goal. With a commitment to quality and customer satisfaction, PowerShield has become a trusted leader in the power protection industry.

## THE CHALLENGE

Daronmont is the prime systems integrator for a diverse range of deployable military command and control and associated capabilities. These systems are designed to operate in harsh environments and support 24/7 operations when deployed. One of the most important sub-systems is the Uninterruptible Power Supply (UPS) and many of Daronmont's deployable systems have older UPS systems installed which will require refresh and replacement. There is therefore a critical need for UPS solutions for systems in air, land and maritime domains that can support the high in-rush currents of modern computing and other equipment while being able to operate in extreme temperature ranges (-30°C to 50°C).

## KEY PERSONNEL



Mickey Sala  
R&D Manager and  
Technical Support



Rob Czerwiec  
Service Technician



Glynn Dowding, IT  
Channel Manager  
NSW, VIC, SA, TAS

## THE CLIENT

Daronmont Technologies is a wholly Australian owned Defence Industry Small to Medium Enterprise (SME) specialising in design, engineering, integration and support of complex high technology systems. They are the a contractor to Australian Defence CASG that ensures that military personnel have modern, robust and safe materiel to work with.

## THE SOLUTION

The PowerShield Lithium-Iron Phosphate Centurion Rack Tower 3000VA UPS was included in the testing and underwent protective conformal coating to increase its resistance to environmental problems. Not only did it pass all vigorous overload testing for their critical loads, after subjecting it to a freezing temperature of -30°C the Centurion was then able to operate fully and as such was the only UPS tested to pass all of the projects requirements.

## CLIENT FEEDBACK

"It's so refreshing to work with a UPS company that understands our requirements. Through exhaustive testing, Daronmont has proven the ability of the Centurion LiFePO4 UPS to meet the exacting requirements of our ADF customers. Daronmont is also impressed with the flexibility, support and experience of Powershield." John Leske, Daronmont Technologies.

