

Powering Waves of Safety: PowerShield Boosts Radio over IP for Marine Rescue Services

our case study



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

Marine Rescue WA aims to provide a 24/7/365 radio monitoring service that covers the entire coastline of Western Australia and surrounding islands. Feedback from rescue volunteers and the boating public identified large gaps in radio coverage along the coastlines. Many groups reported limited weekend and public holiday-only service while the remaining groups did not have the volunteer resources to monitor radios at all. A solution was required that would provide complete, safe and uninterrupted radio coverage to all areas and volunteers at all times.

KEY PERSONNEL



Mark Nicol
WA Sales Manager,
PowerShield



David Hofgesang
Founder,
Direct Communications

THE CLIENT

Marine Rescue WA is a not-for profit organisation representing 38 member groups with more than 1,400 volunteers. They work closely with the Australian Maritime Safety Authority, WA Water Police, and DFES Marine Services to keep mariners along more than 20,000km (13,000 miles) of Western Australian coastline safe by responding and providing support during marine rescue incidents.

THE SOLUTION

Radio over IP technology was chosen to enhance safety in less populated areas by enabling monitoring of radio traffic and responding to incidents using remote operators. Direct Communications, Western Australia's leading radio systems provider, implemented a safety solution based on Tait equipment, Omnitronics' Omnicore Enterprise Dispatch software, and PowerShields' Commander 2000VA UPS. Given the critical nature of the communications housed in each of the 44 rack servers, the UPS was crucial, protecting the equipment and ensuring constant connectivity. The expandable Commander RT 2000VA UPS accommodated future system demands with additional battery modules.

FEEDBACK

"PowerShield has been an invaluable partner in ensuring the success and reliability of our critical communication project. With the stakes being as high as life and death, we needed the right protection and backup for our equipment. PowerShield not only covered our existing needs but also anticipated and met future demands for power and backup time. Collaborating with a fellow Australian company to support such an essential service was truly rewarding." David Hofgesang, Founder of Direct Communications.