

Products

- RevelocPlus asset management and tracking tool
- PRTG network management platform
- DAMM 422 VHF Analogue, DMR and Tetra capable base station
- AVLITE and Farlight aircraft warning lights
- Bosch PTZ 7100i cameras
- Cisco industrial switches and routers
- Eltek AC and DC Powercores
- genZ LiFePO4 batteries and outdoor cabinets
- Jotron VHF and UHF aeronautical radios
- Sunpower solar panels
- NEC iPaso PTP Microwave
- Radlink transportable scalable skids
- FEC self-support towers and guyed masts
- FEC above and below ground foundations
- TAIT mobile and portable radios (VHF Analogue and DMR)
- Sepura mobile and portable radios (VHF Tetra)

Capabilities

Design and Deploy Communications Solutions:

- TASNet is currently deployed to 23 Training Areas with the remaining 10 TAs planned to be deployed and DCert by the end of 2023 covering all States and Territories
- A total of 98 TASNet sites will cover 33 TAs with 70 currently operational and the remaining planned to be operational by project completion
- 42 modular transportable Radlink skids will be deployed by the close of 2023

Engineering and Delivery of Green Energy Solutions:

- Over 1.6MW of genZ LiFePO4 batteries providing backup power with a further 900KW planned by project completion across the remaining 28 sites
- More than 216KWatts of solar will be deployed once all sites are operational

Installation and Support:

- 250 vehicle installs will be completed by end of the project; including safety and emergency services assets
- Around 3200 fixed and mobile radio assets registered on the existing TASNet system with a further 400 assets planned by the end of 2023
- TASNet has full remote 24/7 monitoring and support

Differentiators

- **24/7** Australian-based Support and Technical Assistance Centre (TAC)
- **Remote** diagnostics, fault finding and rectification via PRTG and Radlink TAC
- **GPS asset management and tracking** of all TASNet mobiles and portables
- **Ability to create and manage** 250 GEO-fencing profiles with multiple entry and exit rules triggering violations via RevelocPlus
- **Minimum 4.5 days** of autonomy on all off-grid sites
- **Multiband, Multi-Tech interoperability** between several TA functions including RCO, ACN, UMPNET and Ranger Net
- **Internet Protocol (IP) based communications technology platform** that gives full architectural network flexibility enabling the system to increase capacity, extend network coverage or move capacity from one area to another, as required, even while the radio communications system is fully operational
- **Distributed network topology** which allows for building more robust networks
- **Leading technology integrator** utilising in-house Australian-based program, project management, engineering (communications, software, electrical and mechanical), drafting, technicians, communications rigger, fabrication, build, installation and support services
- **Fully vendor-neutral** providing flexibility to meet TASNets tailored requirements using best-of-breed technology from leading vendors without compromising functionality and quality
- **Proven Track record** of custom, proven, scalable, multiple technologies, off-grid supported and sustainable solutions deployed throughout Australia
- **Innovative solutions** allowing fixed infrastructure capacity in transportable solutions
- **Full end-to-end capability** reducing costs and delivery schedules

Key Partners



Quality Standards and Other Accreditations



Contact Details

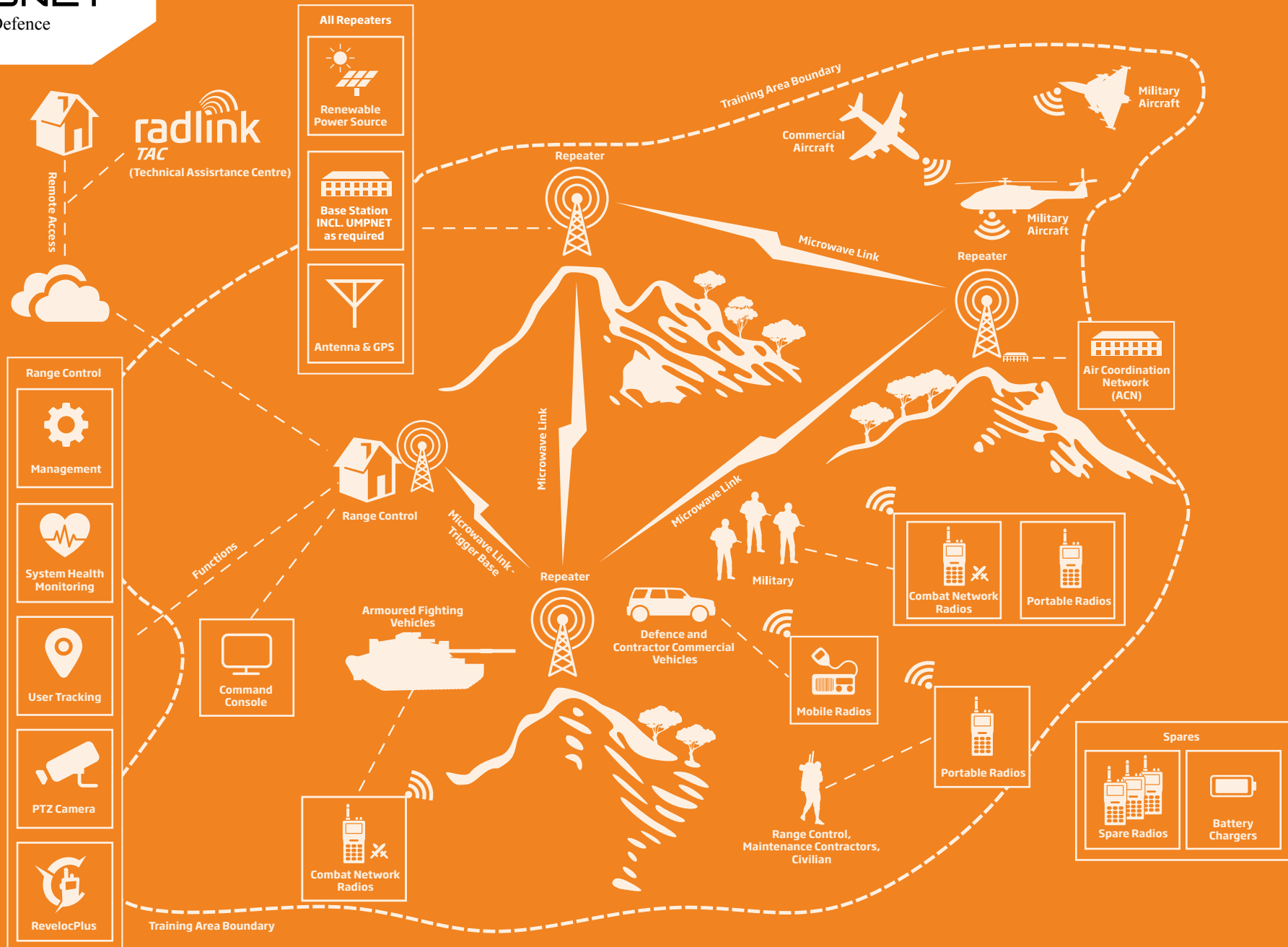
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Founded in 2015, GenZ Energy has quickly grown to one of Australia's most trusted battery brands.

LFP (Lithium Ferro Phosphate) batteries from genZ are suited to harsh conditions where high temperatures, long maintenance-free installation and rugged design are vital for Mission Critical performance in the field.

Products

- 6T NATO Standard LFP (Lithium Ferro Phosphate) Battery
- 12V / 48V Front Terminal LFP Battery (Telco style)
- 48V / 24V Rackmount LFP Batteries
- 12V / 24V / 48V LFP Plastic Case Batteries
- Power Systems and Battery Cabinets
- Power Distribution Units
- 12V 50Ah Steel Case LFP Power Pack



Capabilities

- Supplied over 65MWh of energy storage since 2017
- Delivered modular rackmount power systems from 2KWh to beyond 700KWh in a single system
- Australian based engineering team for local support and R&D
- On grid or off grid energy systems
- Designed and delivered bespoke mission critical power solutions for defence, government and resource sectors
- Full lifecycle support from design to return and recycle program at end of life
- Leasing options to fit OpEx and CapEx budgets
- Intelligent Battery Management System (BMS) with communications and data layer engineered by genZ Australian engineering team, with capabilities of providing SNMP traps and get requests, data analysis and remote configuration.

Differentiators

- Committed to providing green energy to Industrial and residential power systems nationwide.
- Australian designed and engineered, built for harsh Australian conditions
- Australian based company with local phone and online support
- Large distribution network and warehousing facilities in 5 states across Australia
- 10 year 10,000 recharge cycle warranty on rackmount battery systems
- Clean Energy Council (CEC) approved batteries

Key Customers

Defence:

Training Area Safety Network (TASNet) supplied 2,900KWh of LiFePO4 batteries.

House power for 4 x Paluma class AGSC. Survey Motor Launches, HMAS Shepparton, Benalla, Mermaid and Paluma (156KWh).

Public Safety, Utility and Government Sector:

GenZ Energy products are in most levels of government within Australia with a strong install base in the emergency services and off grid projects.

Major state run utilities depend on genZ as a source of backup power in the event of power failures and power shaping.

Resource Sector:

Over 32MWh of genZ Battery Storage

Government Public Sector



Major Resource Sector Clients



Quality Standards and Other Accreditations



Utilities



Public Safety



Key Partners



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DEFENCE