ONETIDE®
AIR – LAND – SEA - SPACE

Mobile Microgrid™
Mobile Server™

Proudly West Australian
Enhancing Sovereign Capability

AUSTRALIAN MADE

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Mobile Microgrid™ - Benefits

- High mobility & portability spreads CAPEX across locations.
- Air deployment capability to ultra remote or infrastructure disrupted locations (disaster relief).
- Removes cost & logistics burden of diesel generators - OPEX minimisation.
- RO water filtration & purification onboard.
- Combined power supply and Data room/ Server.
- Plug & Play.
- DACC Variant.
- Independence from electricity supply price fluctuations.
- Small footprint reduces logistics CAPEX and carbon footprint.
- Requires no specialised personnel for operation & maintenance.
- Resistant to severe weather, & thermal, water, pest ingress.
- Production line design permits rapid manufacture.

Mobile Microgrid™ - Description

The modular Mobile Microgrid™ enables mobile grid quality hybrid renewable power supply that can be rapidly deployed globally, anywhere to any scale with maximum efficiency, minimal logistics effort, & negligible HSEQ & carbon footprint.

Pure sine wave electricity is generated from hybrid renewable sources (PV, wind, H2, hydro) with high efficiency diesel generator backup, integrated water filtration & purification. Electricity consumption is high efficiency, improving reliability and reducing OPEX, CAPEX and emissions.

Modularity & scale affords Onetide a unique market position, enabling power output (kW) & storage (kWh) scaled throughout the applications lifecycle requirement with ease. Electricity of 240v Single Phase, 415v 3 Phase, Eex is generated and stored in units from 2 kW to MW scale.

The modular Mobile Microgrid™ reduces diesel logistics demand, cost & risk from remote energy supply applications such as defence, disaster/medical relief, mine sites, & offshore installations. It also provides an alternative to decentralised power supply to edge of grid consumers.

Designed for rapid deployment, air land & sea portability & can have a terrestrial or aquatic footprint.

Ranging from two man portable helicopter deployable units to multi-MW utility scale containerised systems.