

Operational Scenario: Defence

Field Power Supply for Defence Bases

AFB presents mobile power generation and energy storage for military and defence operations that require reliable, mobile power in remote or hostile environments. Diesel fuel logistics in these scenarios are costly and dangerous.

AFB Solutions



Solar Energy

A solar array with multiple options for generating capacity.



Energy Storage

An onboard battery system for storage and continuous power.



Fast Deployment

3 to 4 people can have the system up and running in 3 to 4 hours.



Mobile

Easily transportable by truck or air for rapid deployment and reuse.



Water Purification

Reverse osmosis water purification is available as an option to generate clean drinking water.

Military bases, whether temporary or permanent, require a reliable source of power for communication systems, surveillance equipment and operational needs. AFB's mobile power generation and energy storage systems offer a scalable energy solution that combines solar arrays and industrial grade batteries to reduce reliance on diesel generators. For forward-operating bases, the system's mobility ensures rapid deployment, and its silent operation enhances operational security by minimising noise and heat signatures.



Benefits:

- **Reduced Risk:** Minimises reliance on diesel supply chains.
- **Sustainability:** Silent, green energy reduces environmental impact.
- **Resilience:** Fast deployment ensures rapid operational readiness.
- Supports diverse energy loads (e.g., barracks, command centers, field hospitals).
- Withstands harsh climates (-10°C to 50°C operating range).
- Reduces fuel logistics risks and costs, improving mission efficiency