

Brigade Mobile Facility™

Tactical Water & Energy Solution



Using AI Technology



Modular- 50%-100% operating

A state-of-the-art, military-grade solution for reliable water and energy supply.

When access to clean water and reliable energy is mission-critical, our solution ensures uninterrupted performance in the harshest conditions.

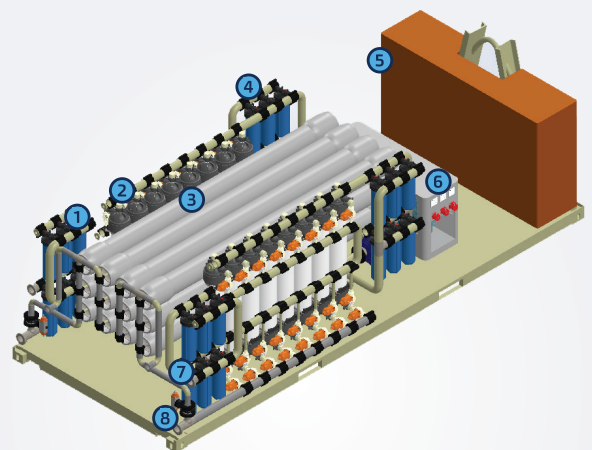
Water and Energy



Any Where



Any Time



- | | | |
|----------------------|--------------------------|----------|
| ① Pre Filtration | ④ Filter (GAC 50 micron) | ⑦ Intake |
| ② Left UF Module | ⑤ Fuel Tank | ⑧ Drain |
| ③ Revers Osmosis Sys | ⑥ APU | |





Parameter	Specification
Water Production from sea water	(480 m³/day) 126,816 GPD
Water Production from fresh water	(960 m³/day) 253,633 GPD
Energy Supply	90 Kw/h
Energy Storage	1,200 AH battery, recharged by APU
Transport Compatibility	20ft ISO flat rack (DROPS body)
Fuel Consumption	Equipped with a 500-liter diesel tank (180 grams of diesel per kWh)
Redundancy	Dual-engine, 50% system backup
Dimension (L x W x H)	6m x 2.4m x 1.8m
Operating Temperature (Standard)	-5°C to +50°C
Extended Temperature Range	With a dedicated kit: continuous operation in extreme conditions

Core Capabilities



Water Supply

- Purifies water from any source: rivers, lakes, wells, and seawater.
- Hybrid energy system, prioritizing green energy for non-salty water scenarios and hybrid systems for desalination when necessary.



Energy Supply

- Providing the brigade with all necessary energy requirements, Delivers 90 kWh of energy.
- Equipped with an energy storage system using batteries charged by an Auxiliary Power Unit (APU) or green energy sources.



High Mobility

- Compatible with military vehicles for quick deployment and terrain adaptability.

Key features

All-in-One Design

- Fully integrated system for water purification and energy generation.
- Operates independently without requiring external infrastructure.

Advanced Redundancy

- Dual-engine design enables partial operation during maintenance or malfunction, ensuring uninterrupted performance.
- 50% redundancy for critical systems provides unparalleled reliability.

Ease of Maintenance

- User-friendly access points for maintenance and operation.
- Simple, intuitive controls for on-site personnel.
- Incorporates green energy solutions to reduce dependence on fuel sources.

Secure and Safe

- Engineered for military use with a secure 12V design, prioritizing troop safety.



Applications

Operational Independence
Without external reliance

Support for Forward Operating Bases (FOBs):

Provides essential water and energy for drinking, cooking, sanitation, and equipment operation.

Disaster Response and Humanitarian Aid:

Delivers water and energy for rapid deployment in disaster zones without reliance on external infrastructure.

Remote Deployments and Operational

Independence: Enables military units to operate in isolated areas without utility support.

Support for Troops in Combat Zones:

Supplies clean water and energy, reducing logistical vulnerabilities and enhancing safety and efficiency.

Field Hospital Support:

Provides clean water and power for medical equipment, ensuring optimal conditions for treating the wounded.

Mobile Command Centers and Emergency Units:

Ensures water and energy for communication, planning, and decision-making in critical situations.

Camp Infrastructure and Hygiene:

Supports kitchens, showers, and sanitation facilities, improving living conditions and health.

