

Operational Scenario: Ports

Sustainable Power for Port Operations

AFB presents mobile power generation and energy storage for Port operations. Ports require reliable and sustainable energy solutions to power critical operations and support offshore logistics.

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 barge for rapid deployment and reuse.

Ports support diverse activities such as cargo handling, marine services, and offshore logistics for industries like oil and gas. These operations often require reliable and continuous power, especially in remote coastal locations where grid connectivity may be limited. AFB's Diesel Replacement System provides a mobile, scalable energy solution tailored to the power demands of port infrastructure.



Benefits:

- **Sustainability:** Reduces diesel consumption for onshore facilities and offshore operations.
- **Efficiency:** Provides consistent power for cranes, warehouses, and marine service equipment.
- **Resilience:** Operates in coastal climates with durable components.
- **Adaptability:** Mobile and scalable to meet fluctuating energy demands during peak cargo handling or vessel turnaround.
- **Cost Savings:** Significantly lowers fuel and operational costs for port authorities and tenants.