END-TO-END ENERGY INFRASTRUCTURE

MOBILE OFF-GRID ENERGY SOLUTION

Rapidly deployable and reusable energy systems for mining, construction, and remote operations.



OFF-GRID ENERGY INDEPENDENCE

Integrated solar, LNG, ESS, battery trucks and EMS deliver reliable power where grid access is limited or unavailable.

RAPID DEPLOYMENT

Foldable solar, mobile ESS, and modular charging infrastructure enable rapid deployment and relocation from one site to another.

CONTINUOUS OPERATIONS

High-power charging and battery swapping maximize equipment availability for high-duty operations.

24/7
Continuous Operations

100%
Clean Energy

Multi-Site
Reusable Energy Assets

WHY ZO POWER

- Backed by ZO FUTURE
- Fleet Synergy with ZO MOTORS
- FULL-SCENARIO SOLUTIONS
- Zo Power EnergyOS
- Global Delivery Network

CHALLENGES

01 Limited or No Grid Access
Remote sites often lack sufficient power infrastructure to support operations.

02 Dynamic Site Requirements
Mining and temporary projects frequently relocate, making fixed infrastructure difficult to justify.

03 Harsh Conditions & Intensive Operations
Continuous, high-intensity mining operations demand rugged charging equipment, high reliability, and rapid high-power energy replenishment.

OUR SOLUTIONS

Rapidly Deployable Energy Infrastructure
Containerized and foldable solar system and mobile ESS for rapid deployment, relocation, and site expansion.

Solar PV & ESS

Fully Automated C3 Battery Swapping
Fully automated battery swapping designed for high availability and uninterrupted operation in remote environments.

C3

Hybrid Off-grid Power System
Integrate renewable generation and backup generators into a resilient hybrid energy system, ensuring reliable power in off-grid environments.

Back-up

Mobile Energy Rescue truck
600kWh mobile battery trucks provide emergency charging when it is needed.

Back-up

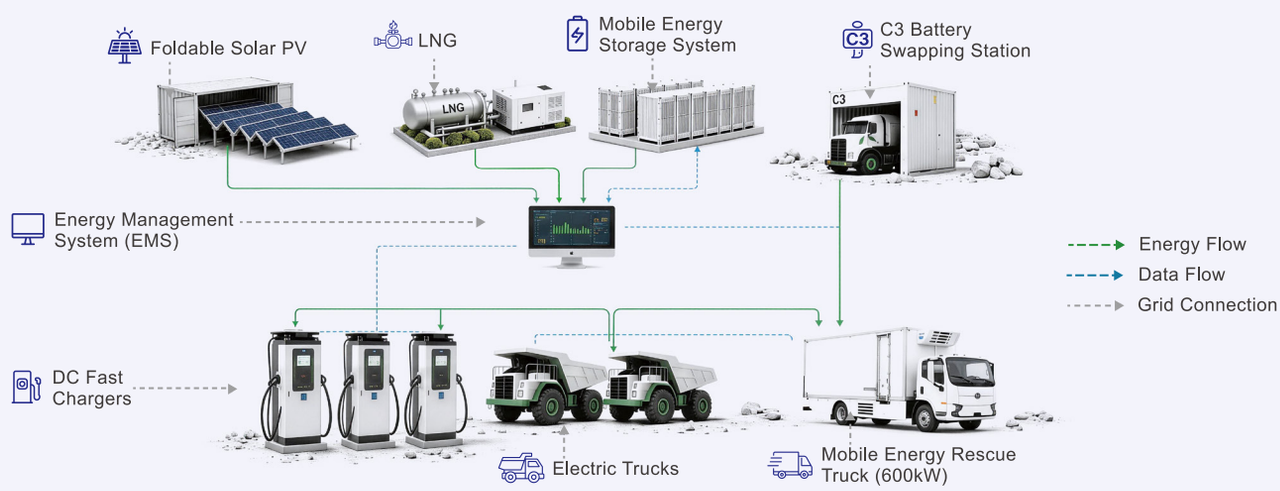
Intelligent Energy Management System(EMS)
Optimize generation, storage, and consumption through real-time energy management.

EMS

IDEAL APPLICATIONS

- Mining Operations
- Temporary Construction Sites
- Disaster Recovery
- Remote Communities

SOLUTION ARCHITECTURE



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