

PILOT PROJECT

PARTNERSHIP OPPORTUNITY

Open Q4 2022 & Q1 2023

Purpose

To test the use case of the Moment Energy storage solution created by repurposing retired electric vehicle batteries in mining and exploration camps.

Objectives

- Evaluate how the integration of Moment Energy storage solution and renewable energy like solar and wind can reduce onsite operational costs by reducing dependence on diesel generators in mining.
- Evaluate how the Moment Energy storage solution can reduce peak demand by storing low-cost energy and using it later, during peak periods at higher electricity rates.
- Evaluate how the Moment Energy storage solution and renewable energy can reduce greenhouse gas emissions and carbon footprint at mining exploration camps.
- Evaluate the potential of mines and exploration camps to be more sustainable and satisfy ESG and SDG indicators.
- Evaluate how the Moment Energy storage solution can be integrated with camp trailers for easy deployment and decommissioning to power modular homes.

Potential Results

- Reduce operational costs by cutting down diesel consumption by up to 50% in mining and reducing peak demand.
- Reduce carbon emissions and footprint by integrating energy storage and renewable energy like solar and wind.
- Satisfy environmental and social criteria used to measure the sustainability and credentials of projects.
- Increase the viability of renewable energy like solar and wind to power onsite mining trailers, modular homes and to power lighting structures at night.

Participation Qualifications

- Moment Energy storage is available for pre-certification projects or pre-order for applications that require certification.
- Unit size can be 240 KWH or 480 KWH.
- Mining sites should be accessible by vehicle.



Process

- Pre-qualification and qualification stage where we determine the energy storage needs of the customer and get information to determine voltage, existing energy sources and power needs.
- Customer specification stage where we specify the needs of the system and present system information to the product team to develop a quote.
- Quote and case study is sent to the customer to determine the value of the system and how much it will cost to install the storage solution.
- Site study and visit to determine the current system specifications and collect system data.
- Sales agreement to schedule project date and process initial deposit.
- Pilot deployment.

Timelines

Project will be available Q4 2022 and Q1 2023

Investment

Range - \$200,000-\$400,000

Getting Started

- Initial conversation with pilot partner to determine the energy storage needs and get information to determine voltage, existing energy sources and power needs.
- Define scope of project, sign NDA and sales agreement
- Pilot deployment



Artemis