

STARTREK

STARTREK ENERGY

Energy & Technology Solutions
for Mining

Deliver Safe, Energy-Independent, Sustainable, and Affordable
Energy Solutions



“

Bringing distributed energy to every corner of the world

Mission: Energy equity - energy and AI for everyone

”

Vision: To Become the Foundational Energy Platform for the New Energy Era

Three Integrated Mining Capabilities

Clean power, smart dispatch and green mobility for resilient, efficient mines.



01

Mining Renewables IPP

Solar, storage and hydro under long-term PPAs.

Reliable Clean Power

02

Energy Technology

EMS, Power Distribution & Grid-Forming for higher energy utilization and asset returns

Intelligent Dispatch & Utilization

03

Green Mining Mobility

EVs, fast charging and mobility assets scale power demand.

Smart Green Mobility

300 MW + 700 MWh

Historical Projects Developed & Built

Approx. 1 GW + 3 GWh

Projects in Development

9 MW + 20 MWh

Projects Under Construction

8 Priority Markets

Target Coverage

Mining Renewable Energy IPP

Solar, storage and hydropower tailored to mining operations.



- 01

Renewable Development

Match solar, storage and hydro to mine loads and grid conditions.
- 02

Long-Term PPA Power Supply

Lock in demand under long-term PPAs and deliver licensed power services.
- 03

Project Finance & Build

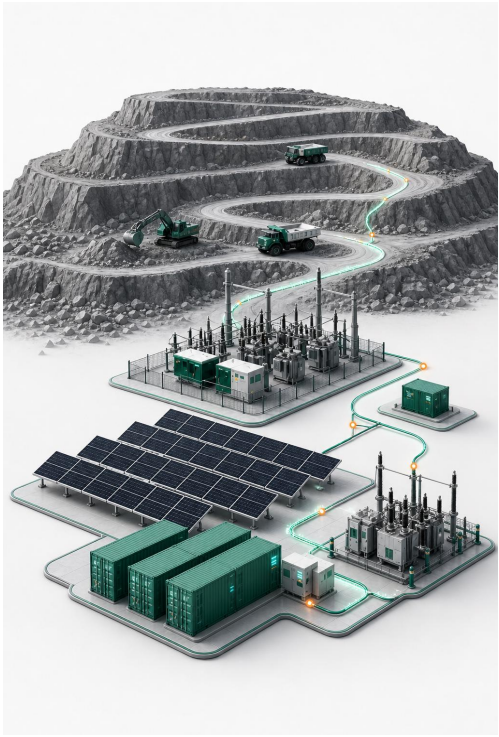
Finance, procure and build bankable operating assets.
- 04

Operations & Optimization

Optimize sales, storage dispatch and performance to raise asset efficiency.

Models

Direct Investment	Co-GP/Dev. Fund	BT Development	Co-GP/Hold Fund
Own Capital + Electricity Sales Return	Mgmt. Fee + Carried Interest	Building Transfer + Subordinated Equity	Mgmt. Fee + Carried Interest



Mining IPP

HALO Assets + Stable Cash Flow



Strategic
Resource
Security



Advanced
Capacity
Globalization



RMB
Internationalization

Market Opportunity | Resources x Energy Transition

30%

of Global Mineral Reserves
are in Africa

60%

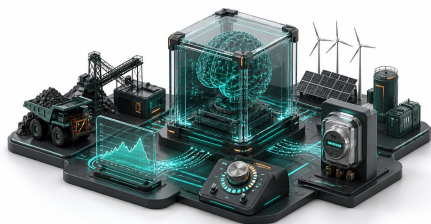
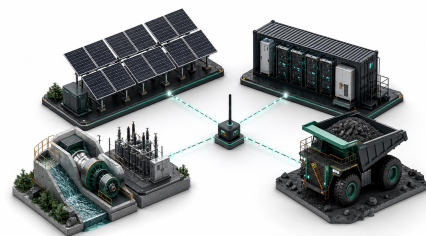
of Best Solar Resources
are in Africa

\$0.80- 1/kWh

Diesel-Based Power Generation
Cost for African Mining Sites

Energy Technology Platform

Connecting mining energy assets with local users and power markets.



01 Data Integration

Solar | Storage | Hydro | Mine

Integrate Power Generation, Energy Storage, and Load Consumption Data

Models

02 Digital Energy Brain

EMS | Forecast | Dispatch | Settle

Develop grid-forming redundancy, transforming energy flows into optimizable and tradable assets.

03 Power Distribution

Mine Supply | Nearby C&I Users

Monetize surplus renewable electricity through incremental power sales while reducing renewable energy curtailment.

Utilization Uplift

Digital dispatch improves clean-power utilization

Reduce Curtailment | Increase Asset Returns

Market Scale

US\$600B+ per year
Global Grid Investment Need by 2030

1,500 GW
Global Storage Capacity Need by 2030

20%~30%
Renewable Energy Curtailment at PV & BESS Plants in African Mines

 Systems / O&M Services

 Power Distribution Revenue

 Asset Operations Uplift

 ESG & Community Value

Mining Green Mobility



Vehicles, charging and logistics complete the clean energy value chain.



01 Vehicle Sales, Leasing & Maintenance

Sales and leasing of electric pickups, mining trucks, and related vehicles, with on-site after-sales support, spare parts, and lifecycle maintenance.



02 Charging Network Investment & Operations

Build and operate ultra-fast charging, battery swapping, and PV-storage charging hubs, generating stable cash flow through long-term energy services.



03 Electric Mine & Trunk Logistics

Operate mining fleets, commuter transport, and trunk logistics through dispatch optimization and fleet management to maximize asset returns.



Generation: IPP → Grid: EMS / Power Trading → Demand: Mobility

African Copperbelt Service Network | Inefficient Matching · Idle Time · Freight Quotas

Approx. US\$55B
Estimated 2025 African Logistics Market

Approx. 2M Trucks
AfCFTA Truck Demand by 2030

2.5~3.5\$/L
Diesel Fuel Prices Across Most African Regions

Models

01 African Energy Base
IPP Clean Power + EMS Dispatch + Power Trading



02 Core Demand Scenarios
Vehicles + Charging/Swapping + Mining Logistics



03 Scale-Up & Replication
Build African regional moats | Set leasing and logistics benchmarks in China

Asset Operations Industry and capital partners co-own mobility assets, generating recurring cash flow from leasing, charging, maintenance, and logistics.

Flagship Projects & Business Validation

Projects, customer use cases and team technology validate the generation-dispatch-demand loop.



01 Mining IPP



Off-Grid Solar-plus-Storage Power Plant for Copper Mines

Chinese SOE | Copperbelt | Off-/Weak-Grid Mine Supply

9 MW + 20 MWh Solar + Storage

Development finance, construction, grid connection and operations

02 Green Mobility



Green Transportation for Copper Mining Operations

Chinese SOE | Copperbelt | Mine Operations & Logistics

EV + Charger + Hub + Logistics
Integrated Services

Vehicle deployment; integrated PV-storage-charging under construction

03 Energy Tech



Smart Energy & VPP Capabilities

Multi-Energy Mining Assets | EMS / VPP / Power Trading

Forecast | Dispatch | Settle Digital
Energy Capabilities

Multi-asset integration, metering, utilization optimization and platform operations

Validation Loop | Asset Development & Long-Term Operations → Demand & Customer Services → Digital Dispatch & Asset Uplift

Team Capabilities

An integrated team spanning development, engineering, energy technology and overseas operations



Project Development

Origination, business models, financing and capital markets



Engineering & Delivery

PV-storage microgrids, supply chain, construction and local execution



Energy Technology

EMS, load forecasting, storage controls, metering and settlement



Africa Logistics & Security

Logistics, security, fleet operations, on-site maintenance and after-sales

Investment

Design | Modeling | Business Models

Transaction Structuring

Transaction Architecture | Tax Planning

Compliance & Financing

Local Permits | PPA & Project Finance

Engineering Delivery

Construction | Grid Connection

Overseas Support

Logistics | Security

Operations Uplift

O&M Assurance | Reliable Generation | Surplus Power Sales



RMB 10B+

Team Asset Management & Investment Experience

300 MW + 700 MWh

Cumulative Capacity of Off-Grid Mining Power Projects Delivered by the Team

> 1 GW + 3 GWh

Current Solar + Storage Development Pipeline



Powering New Frontiers - The Journey Continues



Starting with mining energy, we connect clean power assets, digital operations and green mobility.

01 Generation | Mining IPP

Solar + Storage + Hydro with PPAs
Reliable Clean-Power Assets

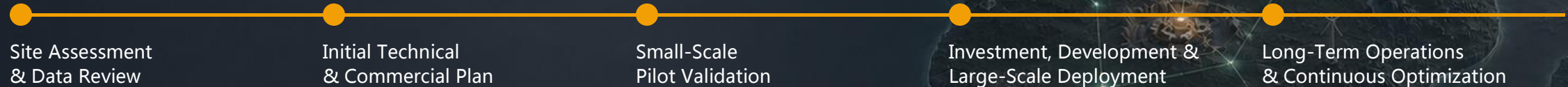
02 Grid | Energy Technology

EMS x Grid-Forming Capabilities x
Energy Services
Higher Utilization & Returns

03 Demand | Green Mobility

Vehicles x Charging x E-Logistics
Scalable Mobility Assets

Cooperation Path



Starting from Africa's Copperbelt, Empowering Every Corner of the World with Distributed Energy

Together, we build a more reliable, lower-cost and greener energy system for mines