Ionn Battery — The Energy Revolution Starts Here

A New Asset Class for Planetary Decarbonization

The Problem: The Cost of Inaction

- Grid Volatility: Billions in losses due to energy price spikes and grid instability.
- Renewable Limitation: Impossible to integrate >30% solar and wind without large-scale, cheap storage.
- ESG Imperative: Climate-related financial risks are now material and critical for all investors.

Our Solution: The Standardized Energy Asset

- IONN Zinc-Ion Battery: Safe, non-flammable, 100,000-cycle lifespan, low cost.
- Scalable 10 MW Station: The fundamental building block for the new energy grid.
- Financial Goal: Creating a pool of standardized, high-yield assets for institutional investors.

Core Presentation: Financials & Global Impact

Financial Model: Unshakable Profitability

Metric	Germany	USA	Japan	UK	China	India
CAPEX (10 MW)	$2.1M	$2.0M	$2.2M	$2.1M	$1.9M	$1.8M
Annual Revenue	$4.9M	$4.0M	$4.7M	$4.9M	$3.6M	$2.7M
EBITDA Margin	>92%	>90%	>91%	>93%	>88%	>85%
Payback Period	< 7 mos	< 8 mos	< 7 mos	< 7 mos	< 9 mos	< 12 mos
CO2 Reduction/C*	12,000 t	10,000 t	11,000 t	12,500 t	9,000 t	7,000 t

Source: Modeling based on data from EPEX Spot, CAISO, historical ancillary service prices.

Assumptions: CAPEX per 10 MW Station: ~$2.1M | Lifespan: 20+ years | EBITDA Margin: >90%

Overview of Energy Storage Market Revenues and Services

Country	Energy Arbitrage	Frequency Regulation	Capacity Market	Other Services (e.g., Backup, Grid Support)	Total Estimated Annual Revenue
Germany	$2.9M (~€2.7M) 30 MWh, 1.5 cycles/day	$1.1M (FCR, aFRR)	$0.6M (Capacity Reserve)	$0.3M (Balancing Services)	~$4.9 Million
USA (CAISO)	$1.75M 40 MWh, 1 cycle/day	$1.3M (Regulation, Spinning Reserve)	$0.4M	$0.5M (SGIP Incentive - one-time)	~$3.95 Million
Japan	$2.2M High solar curtailment	$1.5M (Rapid frequency response)	$0.7M (Grid security programs)	$0.3M	~$4.7 Million
United Kingdom	$2.1M High wind penetration	$1.8M (Dynamic Containment - high-value)	$0.8M (Capacity Market)	$0.2M	~$4.9 Million
China	$1.8M Forced curtailment absorption	$0.9M (Grid mandate services)	$0.5M (Peak shaving)	$0.4M (Provincial subsidies)	~$3.6 Million
India	$1.5M Early-stage market	$0.7M (Ancillary Services Pilot)	$0.3M	$0.2M (R&D partnerships)	~$2.7 Million

Global Impact: The Scale Effect

Impact Parameter	Calculation (per 1 GW of IONN capacity)	Global Effect by 2040
CO2 Emissions Reduction	~1.5 million tons CO2/year	>1.5 billion tons CO2 prevented from entering the atmosphere.
Reduction in Electricity Cost	-15% for end-consumers.	Increased industrial competitiveness, lower inflation.
Acceleration of Renewables	Enables integration of an additional +50 GW of solar and wind.	Achieving Paris Agreement goals 10-15 years faster.
Global Economic Growth	Reduces systemic grid costs by ~$300 M/year per GW.	+$2-3 Trillion to global GDP through decarbonization and lower energy costs.

Our Proposal

- Joint Investment Fund: Co-create a fund to deploy a global network of IONN storage stations.
- Green Asset-Backed Bonds: Issue bonds secured by the pool of IONN assets with predictable, high-yield cash flows.

Our Vision

We are building the foundation for a global green economy by deploying scalable, safe, and affordable energy storage solutions.

We welcome partnerships with investors, energy companies, and the media.

Contact us to learn more about our projects and collaboration opportunities.

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