Bankable, Compliant, and Future-Proof BESS for Central&Eastern Europe

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HiTHIUM Snapshot

Brand Name at a Glance

Global Top 2
Energy Storage Battery Shipment (H12025)

Top 5 Bankable
Battery Manufacturers

BNEF Tier-1
BESS Manufacturer

China Top 2
BESS Supplier (Utility-scale)

20+
Countries Covered

20GWh+
Projects Outside China

1,200+
R&D Engineers

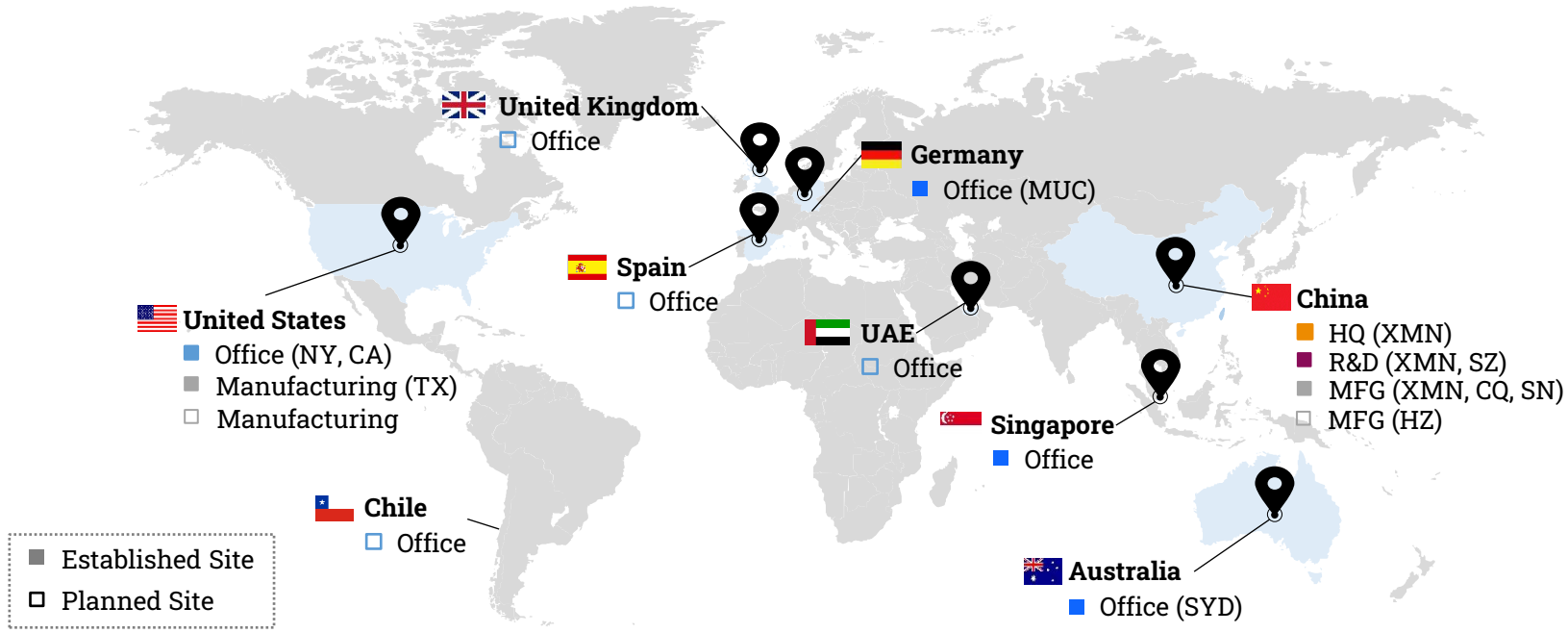
c. 3,900
Global Patent Application

c. 100 GWh
Total Shipment by 25H1

Overview of HiTHIUM

- ✓ Founded in Xiamen, China **in 2019** by a group of **senior experts** in **lithium battery industry**, HiTHIUM 100% dedicates in development and manufacturing of **BESS**, and is currently the **Top 2** Energy Storage Battery supplier in the **global market**
- ✓ HiTHIUM's footprint spreads across **Asia, Europe, North America** and **Oceania**, with **8,000+** global **employees** and **1,200 R&D talents** providing timely and expert support to **170+ customers worldwide**
- ✓ Main products include **cells**, **modules**, and other energy storage systems applied in **power generation**, **transmission** and **consumption**
- ✓ HiTHIUM is extremely excellent at **cost control**, **high-efficient manufacturing operation** as well as **long-term innovations**

HiTHIUM Global Footprints



01

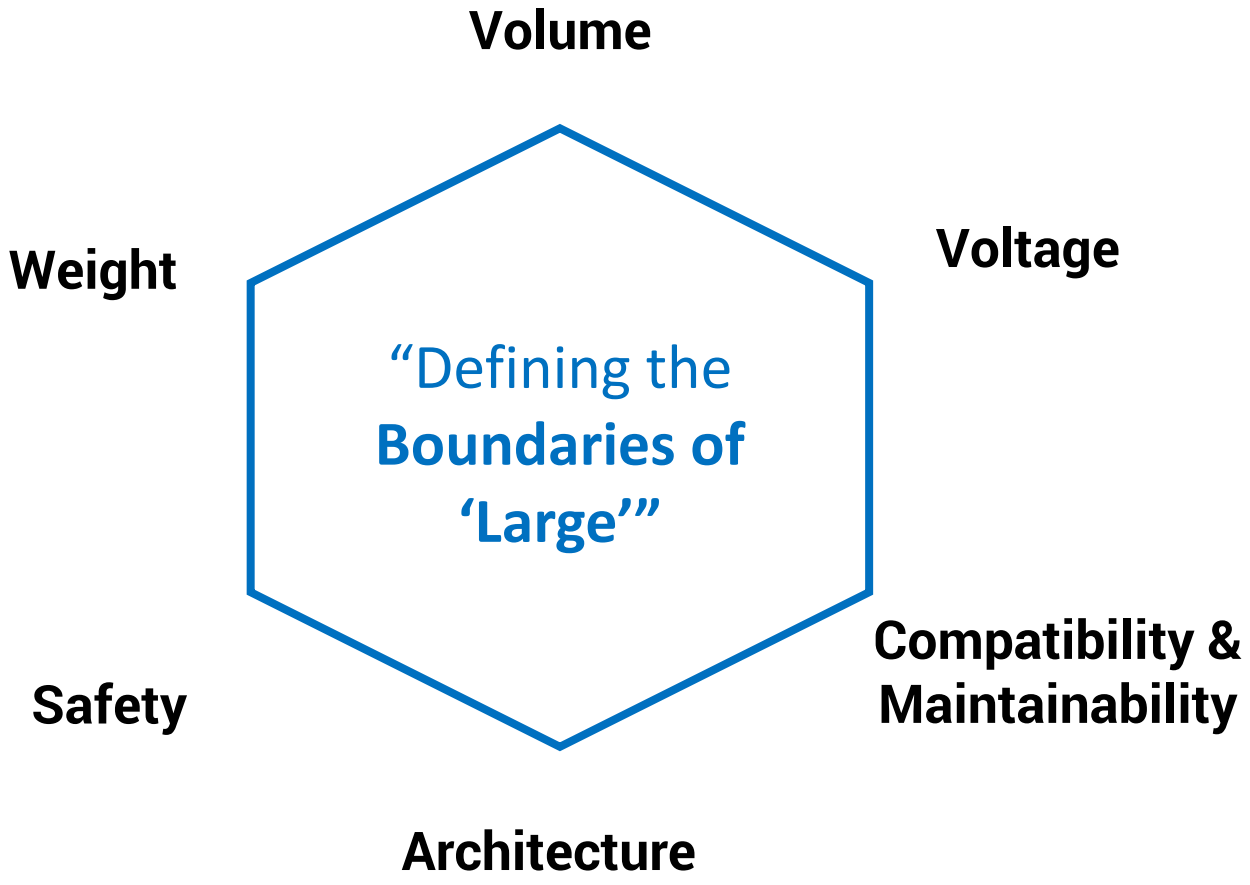
Innovation

Product Development Focus

1. **Top-Down System Decomposition**

   Using a 20-foot container as the baseline, analyze system boundaries in terms of volume, weight, architecture, voltage, compatibility, maintainability, and safety.

20-foot Container



Product Development Focus

2. System Voltage & Battery Capacity Selection

- **Design basis:** 1500V, 416S, cluster count for DC-side capacity breakdown → adaptable for different power and layout dimensions. **71173 size is optimal for 5MWh systems.**
- **Cell size guidance:** *Optimal*: 71173 for 5MWh *>5MWh*: adjust cell size → 2h: **550–600Ah**, 4h: **1100–1200Ah**

Cell Capacity Breakdown

5MWh

Rack	1	2	3	4	5	6	7	8	9	10	11	12
Ah	3756	1878	1252	939	75	626	537	470	417	376	341	313
Single Rack - 0.25P (kW)	1250	625	417	313	250	208	179	156	139	125	114	104
Single Rack - 0.5P(kW)	2500	1250	833	625	500	417	357	313	278	250	227	208

6MWh

Rack	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Ah	4507	2254	1502	1127	901	751	644	563	501	451	410	376	347	322
Single Rack - 0.25P (kW)	1500	750	500	375	300	250	214	188	167	150	136	125	115	107
Single Rack - 0.5P(kW)	3000	1500	1000	750	600	500	429	375	333	300	273	250	231	214

7MWh

Rack	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ah	5258	2629	1753	1315	1052	876	751	657	584	526	478	438	404	376	351	329
Single Rack - 0.25P (kW)	1750	875	583	438	350	292	250	219	194	175	159	146	135	125	117	109
Single Rack - 0.5P(kW)	3500	1750	1167	875	700	583	500	438	389	350	318	292	269	250	233	219

8MWh

Rack	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Ah	6010	3005	2003	1502	1202	1002	859	751	668	601	546	501	462	429	401	376	354	334
Single Rack - 0.25P (kW)	2000	1000	667	500	400	333	286	250	222	200	182	167	154	143	133	125	118	111
Single Rack - 0.5P(kW)	4000	2000	1333	1000	800	667	571	500	444	400	364	333	308	286	267	250	235	222

System Voltage Breakdown

1500V System

Intra-cluster pack count	1	2	3	4	5	6	7	8	9	10	11	12
Series pack count	416	208	139	104	83	69	59	52	46	42	. 38	35

2000V System

Intra-cluster pack count	1	2	3	4	5	6	7	8	9	10	11	12
Series pack count	560	280	187	140	112	93	80	70	62	56	51	47

Long-Duration Champion - Engineered for 4+ Hour Applications

CEE MARKET READY

Prismatic cell	∞Cell 1175Ah
Operating voltage	2.5-3.65V
Charge & discharge rate	0.25P/0.25P
Energy density	≥ 180Wh/kg
Operating temperature	-30℃ ~60℃
Dimension (L x W x H)	580.2*75.2*216.3mm
Cycle life	11,000cls

*The above are for reference only, the specifications sheets shall prevail

HTHIUM

Power-Optimized Platform - Engineered for High-Performance Applications

Cell for long-duration energy storage

CEE MARKET READY

Prismatic cell	∞Cell 587Ah
Operating voltage	2.5-3.65V
Charge & discharge rate	0.5P/0.5P
Energy density	≥ 185Wh/kg
Operating temperature	-30℃ ~60℃
Dimension (L x W x H)	286.0*73.5*216.3mm
Cycle life	11,000cls

*The above are for reference only, the specifications sheets shall prevail

HTHIUM

Product Development Focus

HiTHIUM Product Strategy: One Pack, Two Cells — Platform Architecture, Inheritance & Iteration

0.5P
73.5*286*218
587 Ah

1248.0*2233.0*254.6

0.25P
75*580*216
1175 Ah

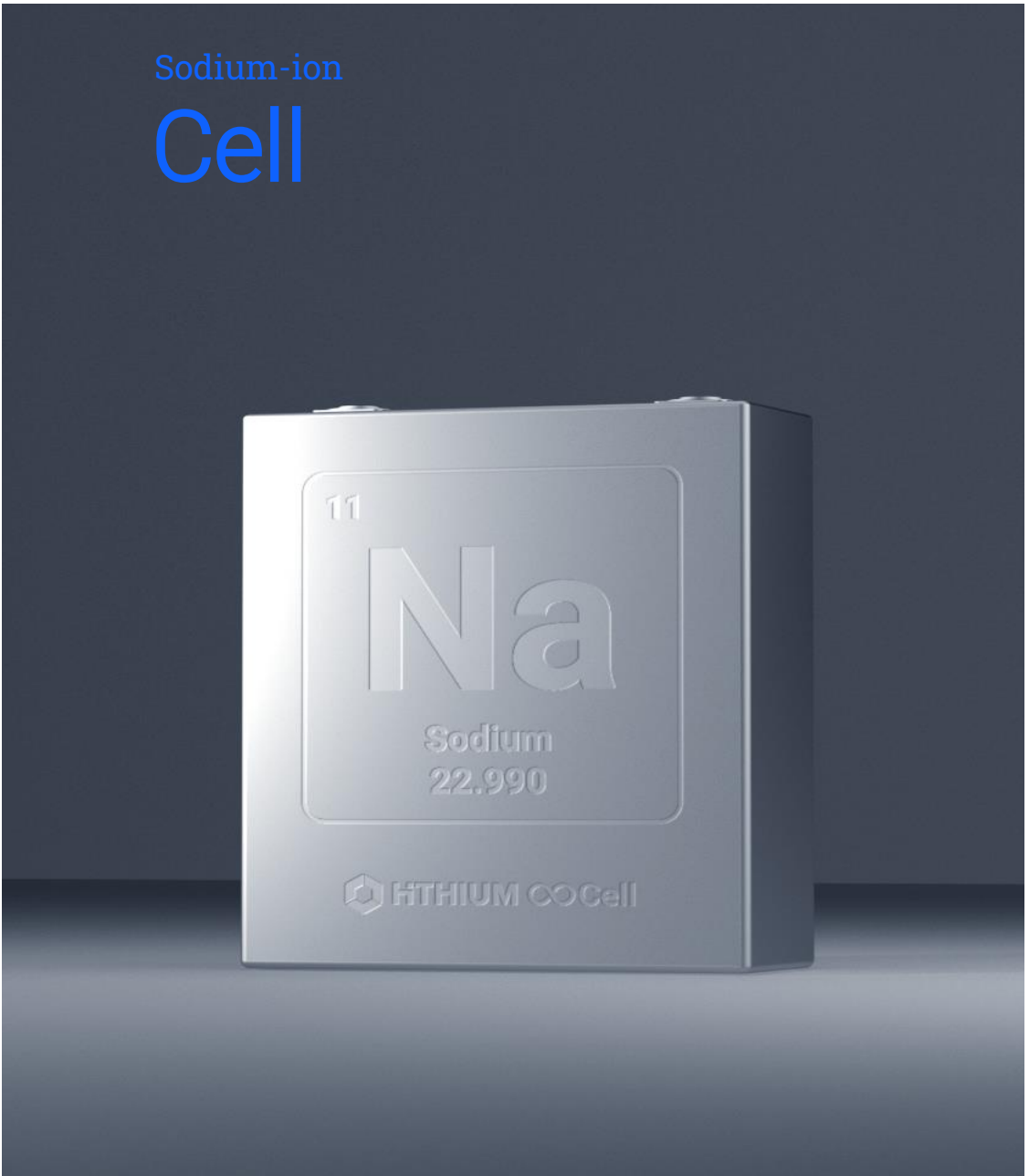
8P416=
6.25 MWh

6058×2438×2896

CEE MARKET READY

- ✓ **Platformization** – Shared 2h/4h platform, maximizing component reuse.
- ✓ **Modularization** – System-level module standardization for flexible, rapid iteration.
- ✓ **Scenario-based** – Optimal solutions for specific applications.

Beyond Lithium: Sodium-Ion Revolution - Breaking Chemistry Boundaries



Prismatic cell	∞Cell N162Ah
Operating voltage	1.5-3.3V
Charge & discharge rate	1P/1P
Energy density	≥ 95.2Wh/kg
Operating temperature	-40℃ ~60℃
Dimension (L x W x H)	174.7 *71.7*207.1mm
Cycle life	20,000cls

*The above are for reference only, the specifications sheets shall prevail

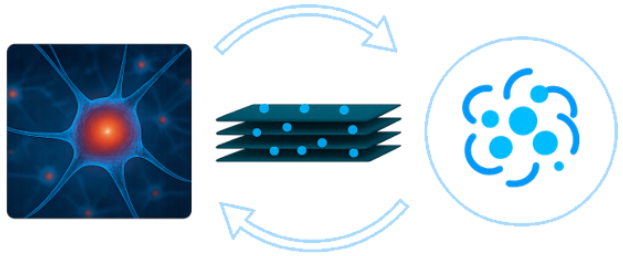
HTHIUM

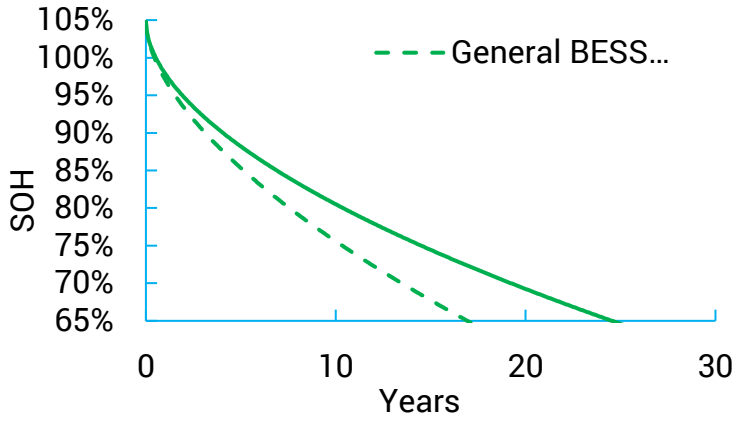
Na-Ion Brings the AI-Ready Power - Next-Generation Applications

- High power capability makes dealing with AIDC peaks easy
- Na ion brings a new level of safety

- Efficiency and temperature capability surpass Li-ion
- Existing factories can deliver the volume to fuel the AI boom
- 20k cycles – can easily deal with the stresses of AIDC loads and built for the long term

*Source: Characteristics and Risks of Emerging Large Loads, NERC, USA





02

Bankability

Bankability Recognition

Independed validation of finiancial and manufacturing stregth.

Revenue
$1,9 B

Break-Even
Achieved 2024

Manufacturing
135 GWh
Annual Capacity

Delivered
100 GWh
Globally

Premier Banking Partners

HITHIUM

World's leading financial institutions trust Hithium with $1+Billion project financing.

Global bank financing means your investment is secure.

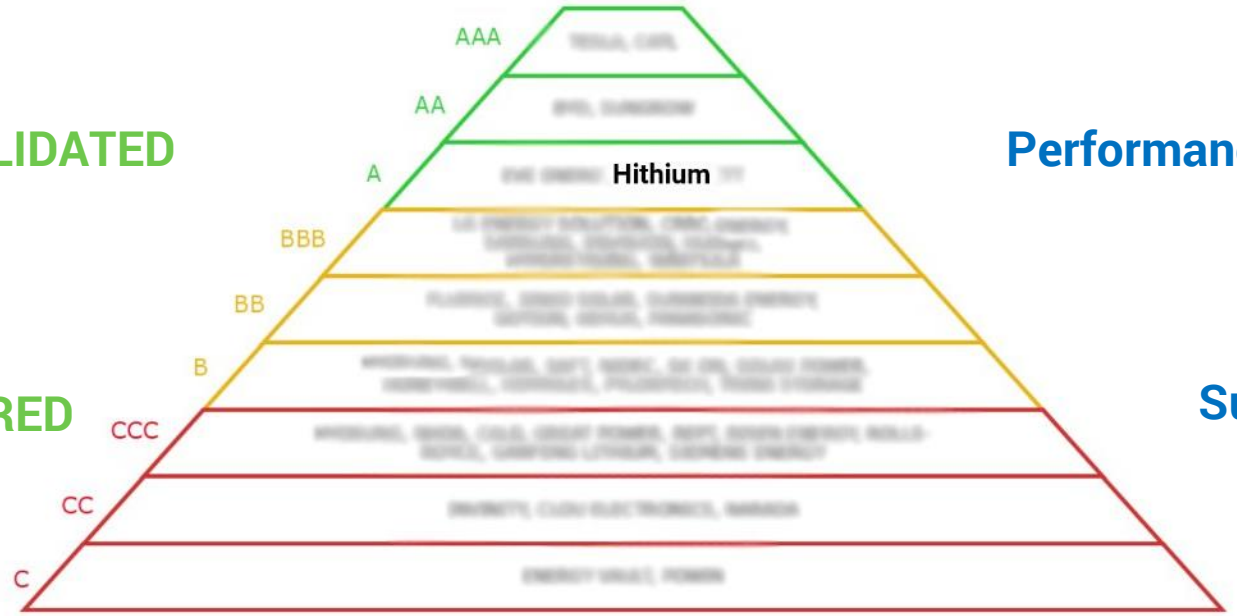
Bankability Pyramid

HITHIUM

BATTERYSTORAGETECH
BANKABILITY RATINGS

Technology Risk → VALIDATED

Financial Risk → INSURED



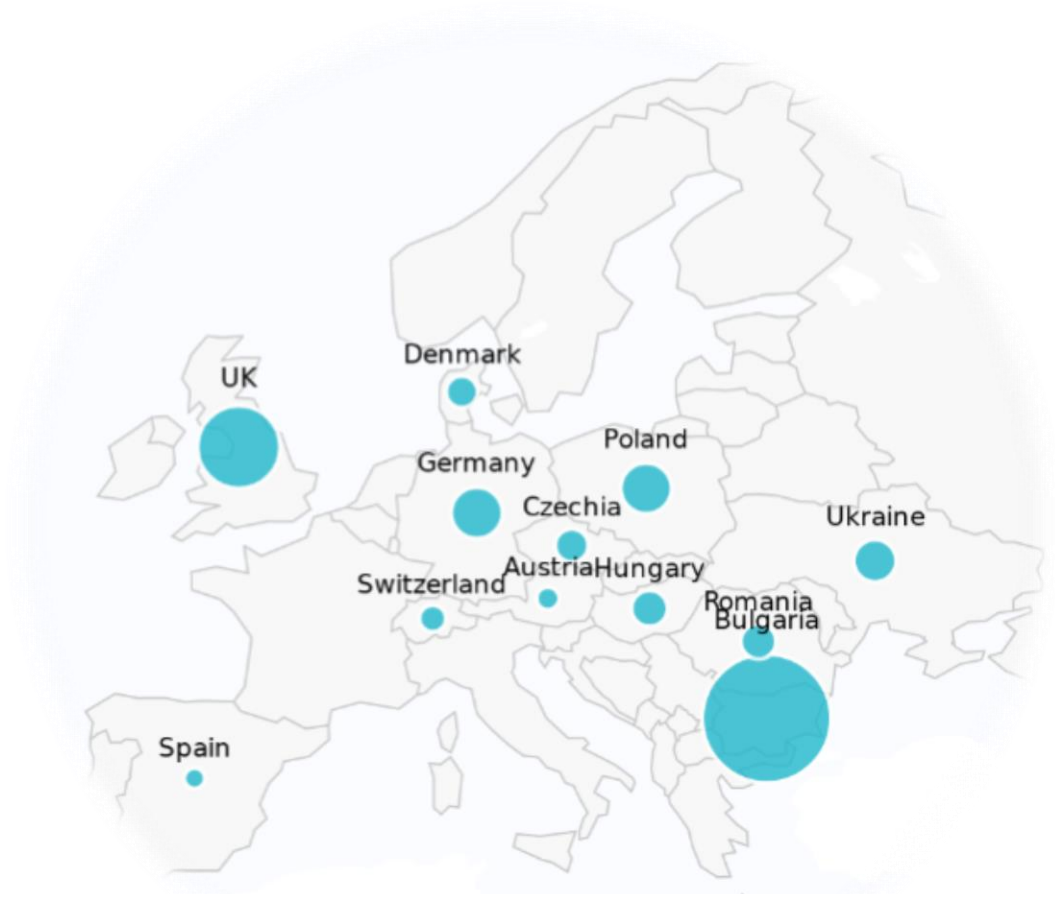
Performance Risk → GUARANTEED

Support Risk → COVERED

CEE Market Ready – Technology + Financial Strength + Global Support

*PV Tech Research's Q2 2025 Battery Storage Tech Bankability Report

PAN-European Track Record



Featured BESS Projects

Project Name	Location	Project Size	Paired with	Status
Staythorpe	UK	800MWh/4hr	NR	Under construction

Financing information:

- £140 million debt facility from Goldman Sachs Alternatives

Featured BESS Projects

Project Name	Location	Project Size	Paired with	Status
Razlog	Bulgaria	110MWh	KH	In Operation

Financing information:

- Renalfa IPP is a Vienna based developer and independent power producer established as a JV between Renalfa Solarpro Group GmbH and the French infrastructure fund manager RGreen Invest

Project Name	Location	Project Size	Paired with	Status
Tenevo	Bulgaria	260MWh	KH	Under Commissioning

Financing information:

- EBRD lends €50 million
- A parallel financing facility of €53 million will be provided by Raiffeisen Bank International

Project Name	Location	Project Size	Paired with	Status
Multiple Projects	Ukraine	300MWh+		Under Commissioning & Construction

Financing information:

- €9.6 million investment loan agreement from Ukraine's state-owned lender Oschadbank

HiTHIUM

HiTHIUM – Your Partner for CEE's Energy Future

CEE LEADERSHIP

Proven Track Record
Across 12
European Countries

INNOVATION

From Boundaries
to Breakthroughs

BANKABILITY

Grade A

+ $1.9B Revenue

+ 100 GWh Delivered

Ready to Power CEE's New Chapter Together?