



FAAM

Energy Saving Battery



FAAM & SERI GROUP MILESTONES



SERI SPA:
Start-up
as engineering group.



Introduction of engineering
company specialist in recycle
plants & technologic production
processes.



Start-up in the production of
plastic components.



Acquisition of
production plants in
molding of plastic
accessories and boxes
for batteries.

IMI FONDI CHIUSI entered in the
corporate structure of SERI Industrial.

1999

2001-2002

2010-2012



1974

FAAM
Start up in the production
of **premium starter
batteries:**
*Monterubbiano plant
(Italy).*

1986

FAAM
Start-up in the production
of **premium motive
power and stand-by
batteries:**
*Monte Sant'Angelo plant
(Italy).*

2000

**Lithium Battery
R&D:** projecting of
premium lithium
battery solutions in
all industrial
applications.

2004

Start-up as
first European
assembler in the
production of Lithium
battery solutions in all
industrial applications.



FAAM & SERI GROUP MILESTONES

2013

FAAM
becomes part of
SERI GROUP



Acquisition of plants
in Spain and France
ICS Exide Plastic
Components
activities.

2014

2014

MP batteries:
acquisition of
**Starter battery
production:**
*Nusco Plant
(Italy).*



Acquisition of Ecopiombo
smaller company
completed by
an upstream integration.

2015-2016

2015-2016



Acquisition of **Li-On
R&D Company as
European specialist**
in chemical, cell
development and
research of new
active materials.



Entry in Italian stock
exchange.

2017

2017

LiOn CELL PRODUCTION:
Start-up project through
takeover of the Teverola
facility from **Whirlpool**
corporation dedicated to the
full automated manufacturing
of European made cells and
modules.

JUJUY LITIO SA
Joint venture with the
Argentina Governments in the
start-up of the **extraction of
lithium carbonate.**



Business lease by ICS in
the production of plastic
pipes and fittings.
Disposal of non-core
assets (former
KRENERGY
subsidiaries).

2019

2019-2020

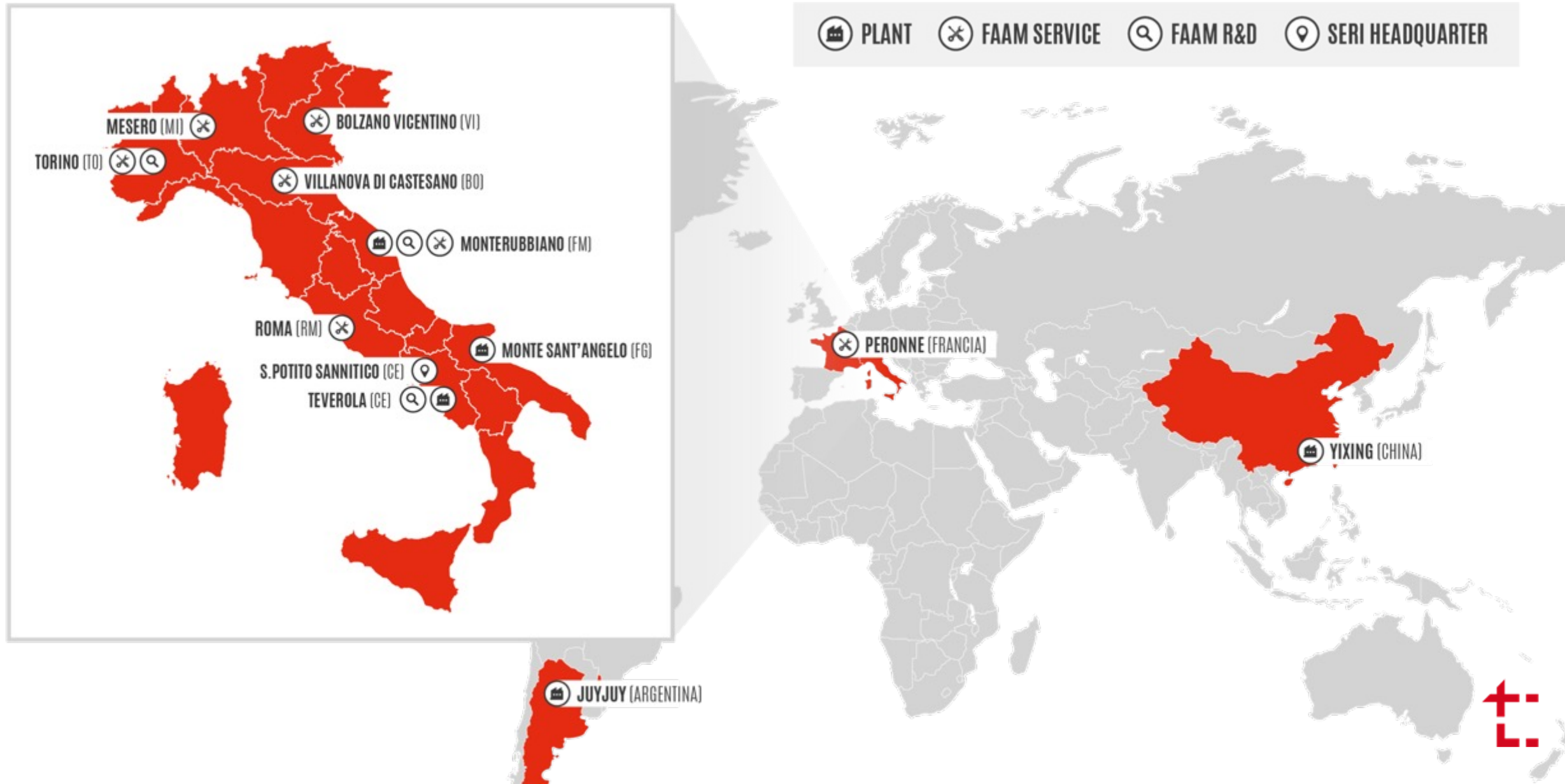
TEVEROLA PLANT
Start-up in the full
automated production
from **Li-ion** cells through
modules and battery
production.



IPCEI EU project
grants to FAAM
427 M€ for the
production of Li-ion cells
and the recycling of end-
life Li-ion batteries.



FAAM WORLD FOOTPRINT



SOME COMPANY REFERENCES 一些合作公司

STARTER POWER

IVECO



**MAGNETI
MARELLI**



STAND-BY POWER

SIEMENS



ABB



MOTIVE POWER



Linde



STILL



SOME SPECIAL PROJECTS

FAR SEAS



In collaboration with the Italian Navy: **Marina Militare Italiana** and **FINCANTIERI (FINMECCANICA)** in the development and production of a full integrated Li-ion battery technology system including specific Battery Management System for submarines.

MILITARY VEHICLE



In partnership with the **Italian Ministry of Defense** – Directorate of Terrestrial Armaments and **IVECO Defence Vehicle** - in the development of lithium battery solutions dedicated to military vehicles.

PUBLIC TRANSPORT



Based on the previous experience in the city of Turin in 2008 together with **GTT** (public transport company), FAAM transform old vehicles equipped with lead-acid batteries, fueled with diesel, converting them to 100% electric vehicle using lithium solutions.

SPECIFIC STORAGE



For the mass production of large storage systems, from 30 kWh up to **1,7 MWh/container***.

*Other configuration are available

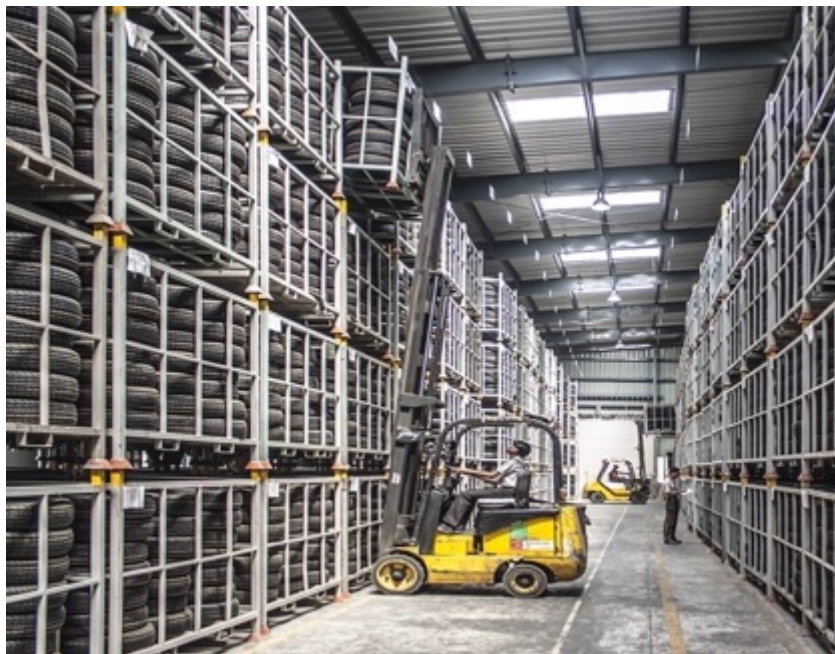
MOTIVE POWER

Advanced lead & lithium technology



动力产品系列 MOTIVE POWER PRODUCT RANGE

先进的铅锂技术 Advanced lead & lithium technology



LITHIUM
TECHNOLOGY



LiTRACTION

- ✓ Lifecycles: **> 4.000 cycles** (DOD 80%)
- ✓ Energy saving: **efficiency > 98 %**
- ✓ Communication Interface
- ✓ High energy density
- ✓ **Fast charging** (up to 80% in 30 min)
- ✓ Meet IP54 protection
- ✓ From 80Ah to 1200 capacity range
- ✓ Plug and play
- ✓ Zero emission

STAND-BY POWER

Advanced **lead** & **lithium** technology



PRODUCT RANGE

FLOODED



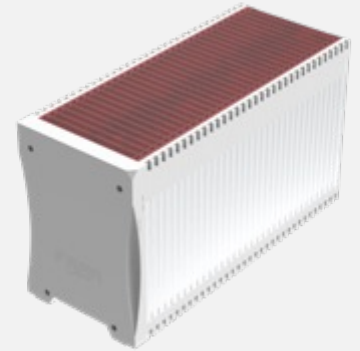
VRLA GEL / AGM



VRLA AGM



LITHIUM



LiHOME

Residential Energy Storage



LiHome 10,24 kWh



LiHome 5,12 kWh



STARTER POWER

Energy, power, reliability...The triad that leads the way



PRODUCT RANGE

HEAVY DUTY ENERGY TECHNOLOGY



- GENIUS PRO
- GENIUS
- SMART PRO
- SMART

CAR POWER TECHNOLOGY



- CYCLES
- SAFE
- START

HEAVY PLUS TECHNOLOGY



- MISTRAL
- TRALEG

MOTORCYCLES TECHNOLOGY



- MOTORCYCLES



June 2006:

**Start of the
production at
FAAM China**



**Focus on
China's
Market and
Asia/Pacific**



**We aim to
provide a
better quality
of Service**



R&D

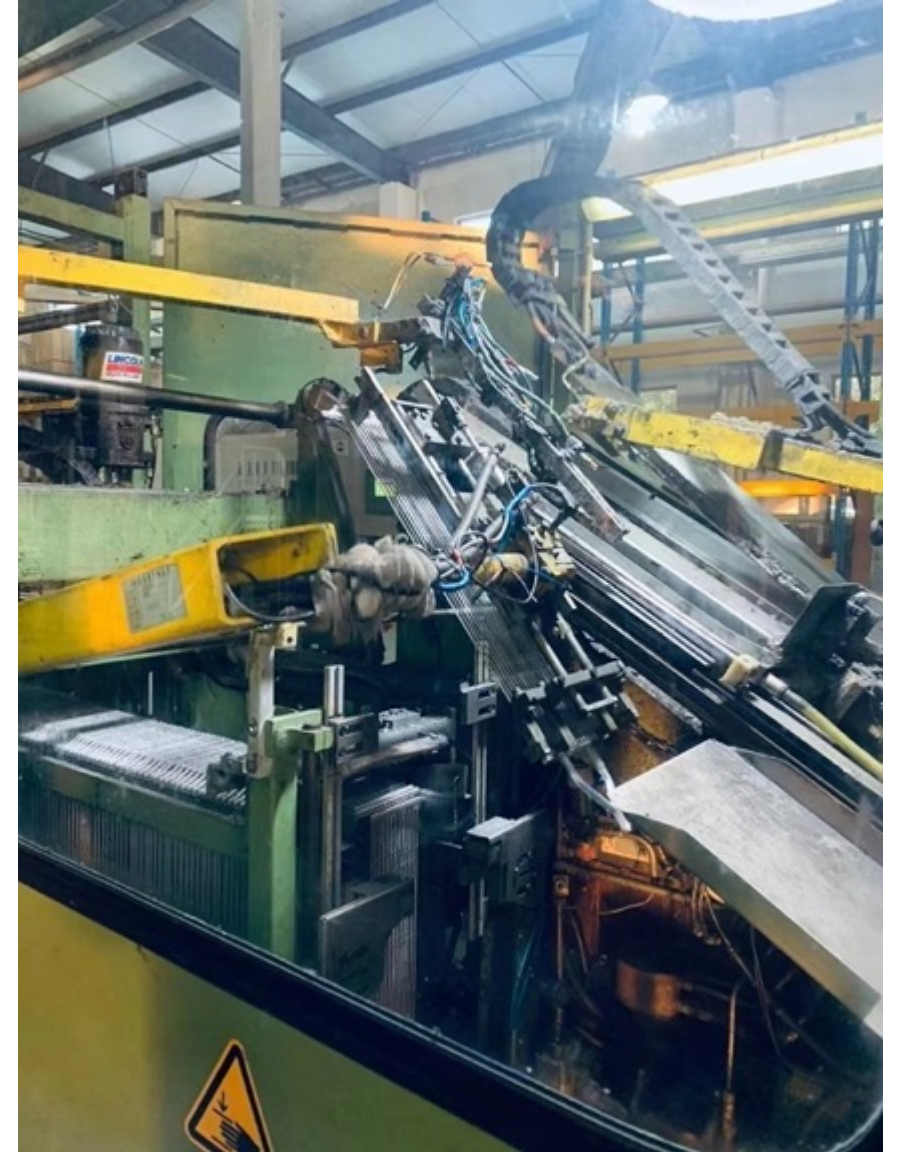
**New product
development**



FAAM China Team



FAAM CHINA'S PROJECT LEAD ACID



FAAM CHINA'S PROJECT LEAD ACID



FAAM CHINA'S PROJECT LEAD ACID



FAAM CHINA'S PROJECT LEAD ACID



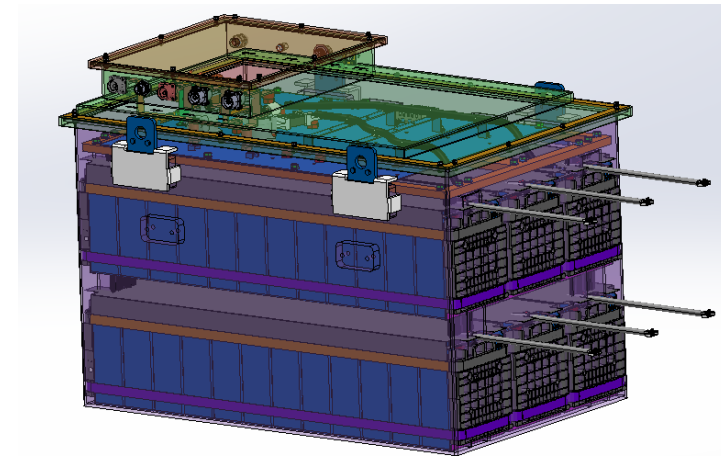
FAAM CHINA'S PROJECT LEAD ACID EX-PROOF



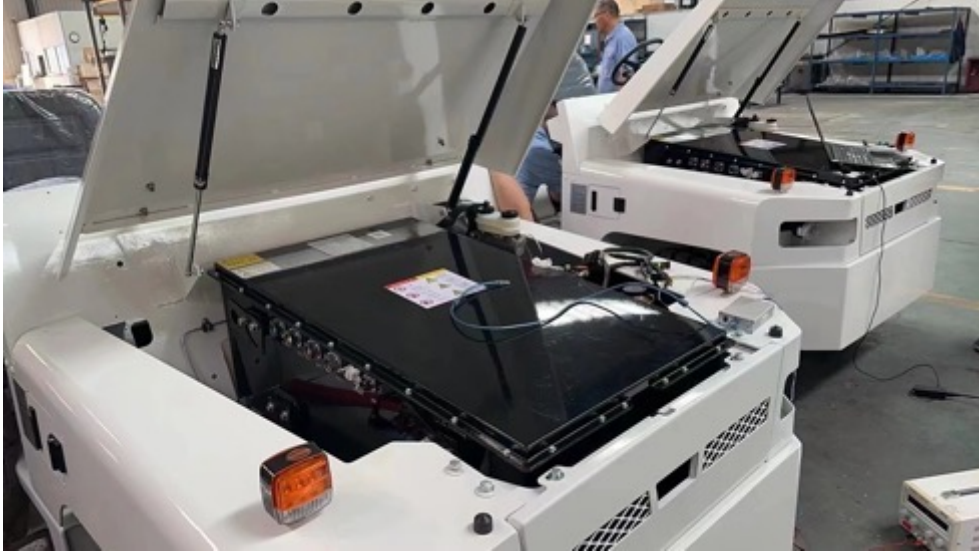
FAAM CHINA'S PROJECT ON LITHIUM



384 V 175AH



FAAM CHINA'S PROJECT ON LITHIUM



FAAM CHINA'S PROJECT ON LITHIUM



FAAM CHINA'S PROJECT ON LITHIUM

80 V 1150 AH



BATTERY CLOUD SYSTEM 远程云管理系统

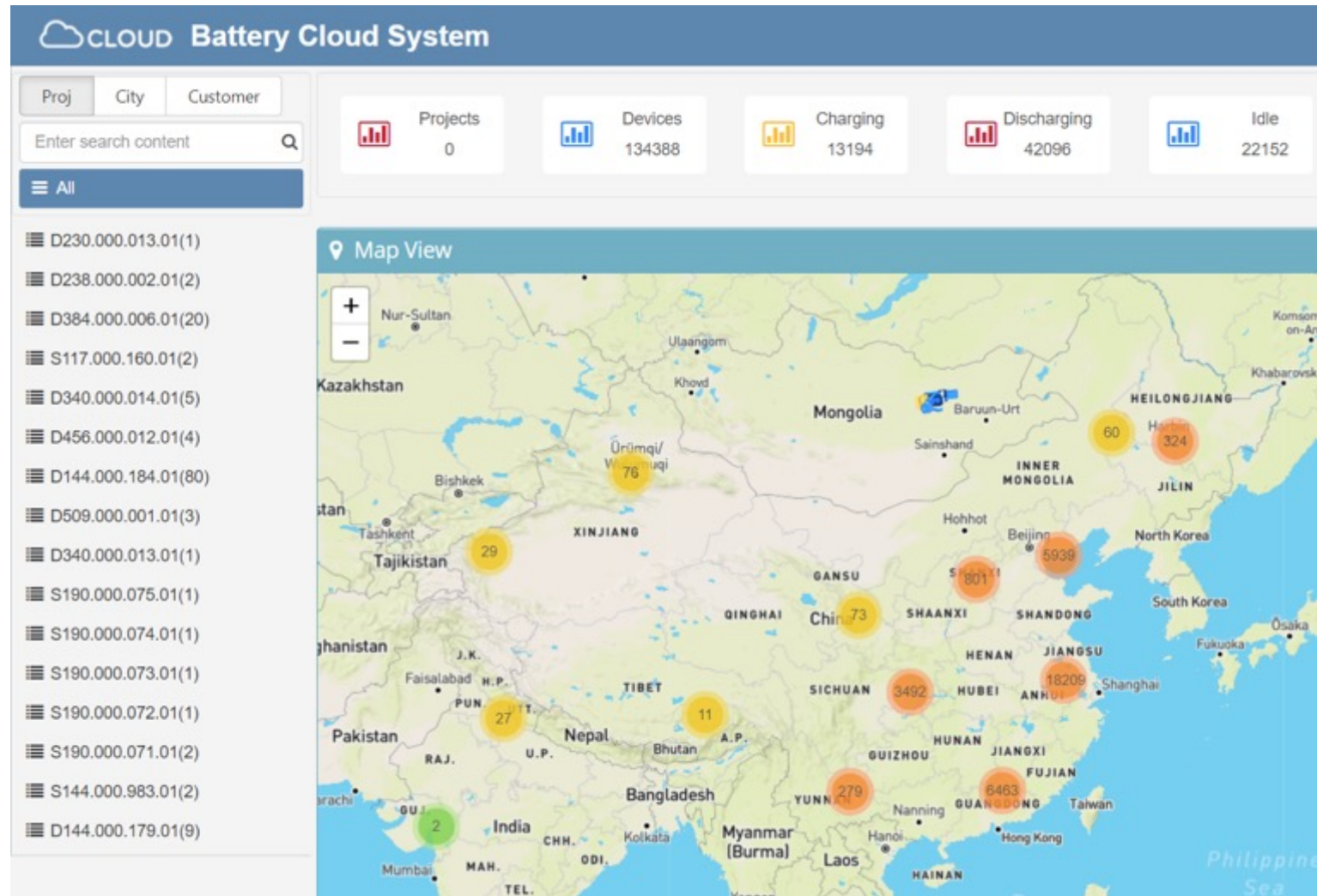
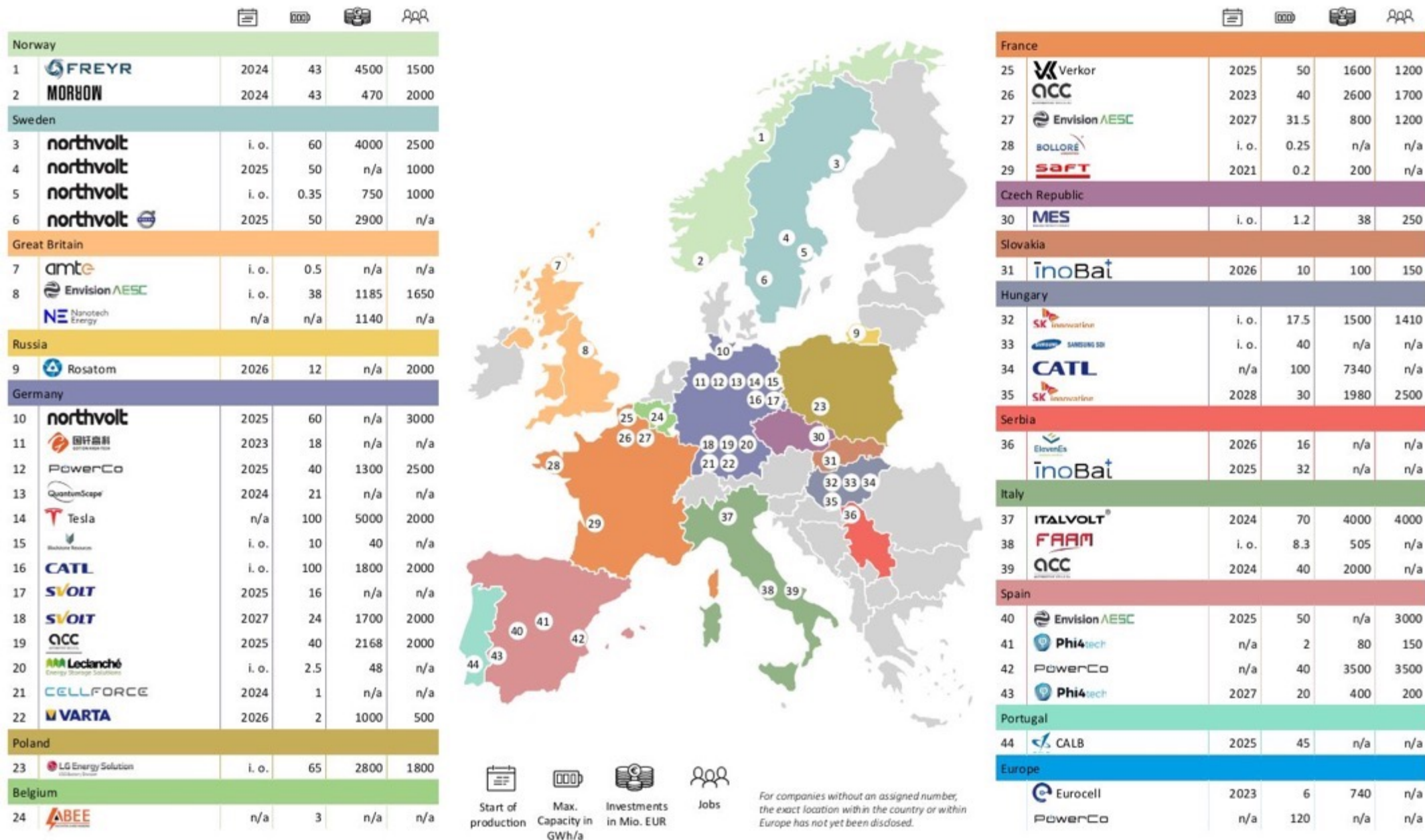


Figure 2: Battery cell production sites in Europe that are in planning, under construction or partly already in operation (i. o.).

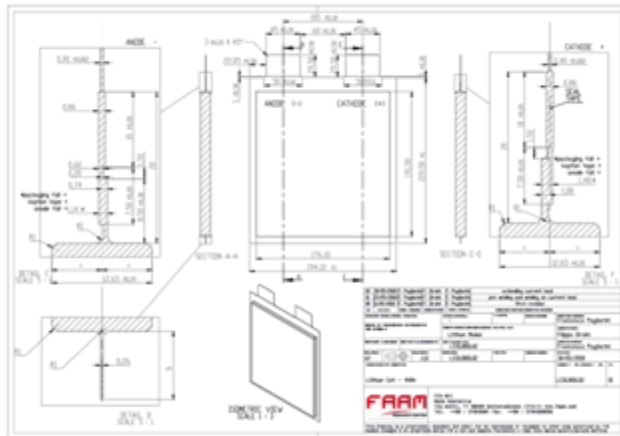


Li-ION CELL

Advanced Lithium Technology

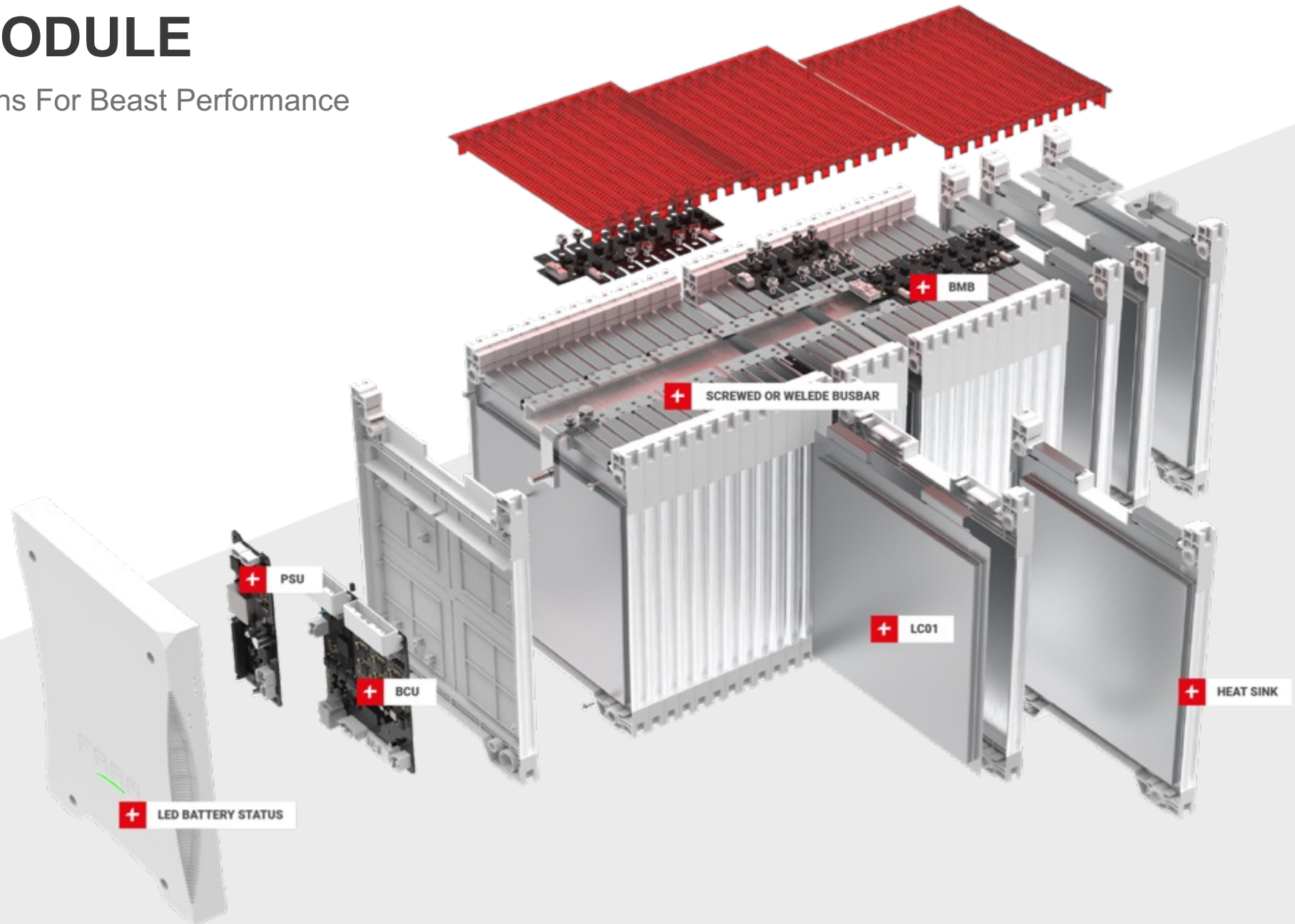
Key Features:

- ✓ 50 Ah / 160Wh pouch cell format
- ✓ 218 x 194 x 12.5 mm (L x W x t)
- ✓ LFP based (gen 1) – 3.2 V nominal tension
- ✓ Low carbon footprint: water-based process, no organic solvent used
- ✓ More than 4.000 cycles (80% DOD)
- ✓ Max current in discharge 3C
- ✓ Max current in Charge 1C
- ✓ - 20°C to 55°C operating temperature



KOMBI MODULE

Innovative Solutions For Beast Performance



STORAGE

Since 2014

FIRST ITALIAN ESS

The plant, in operation since 2014, has brought innovation by integrating the energy storage from renewable sources to the electricity grid. Thus providing a strong energy efficiency solution, that is able to storage energy till 2 MWh.

Caratteristiche di ogni Shelter


- Uscita di potenza DC
- Energia utile 500kWh
- Tensione nominale 960Vdc
- Tensione minima 750Vdc
- Tensione massima 1050Vdc






宜兴法阿姆工业电池有限公司
Yixing FAAM Industrial Batteries Co., Ltd

 在线客服: info@faam.com.cn

 24小时服务热线: 0510-87600222

 www.faam.com.cn



扫描二维码,
关注法阿姆电池



CINA 2006



CINA 2006



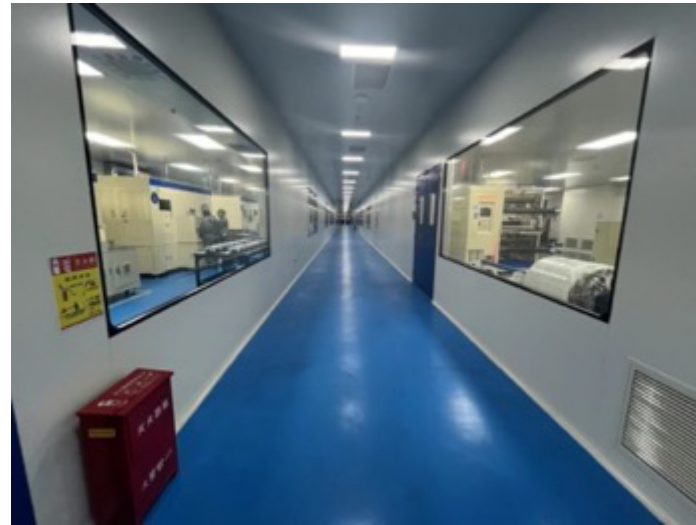
CINA 2006



CINA 2024



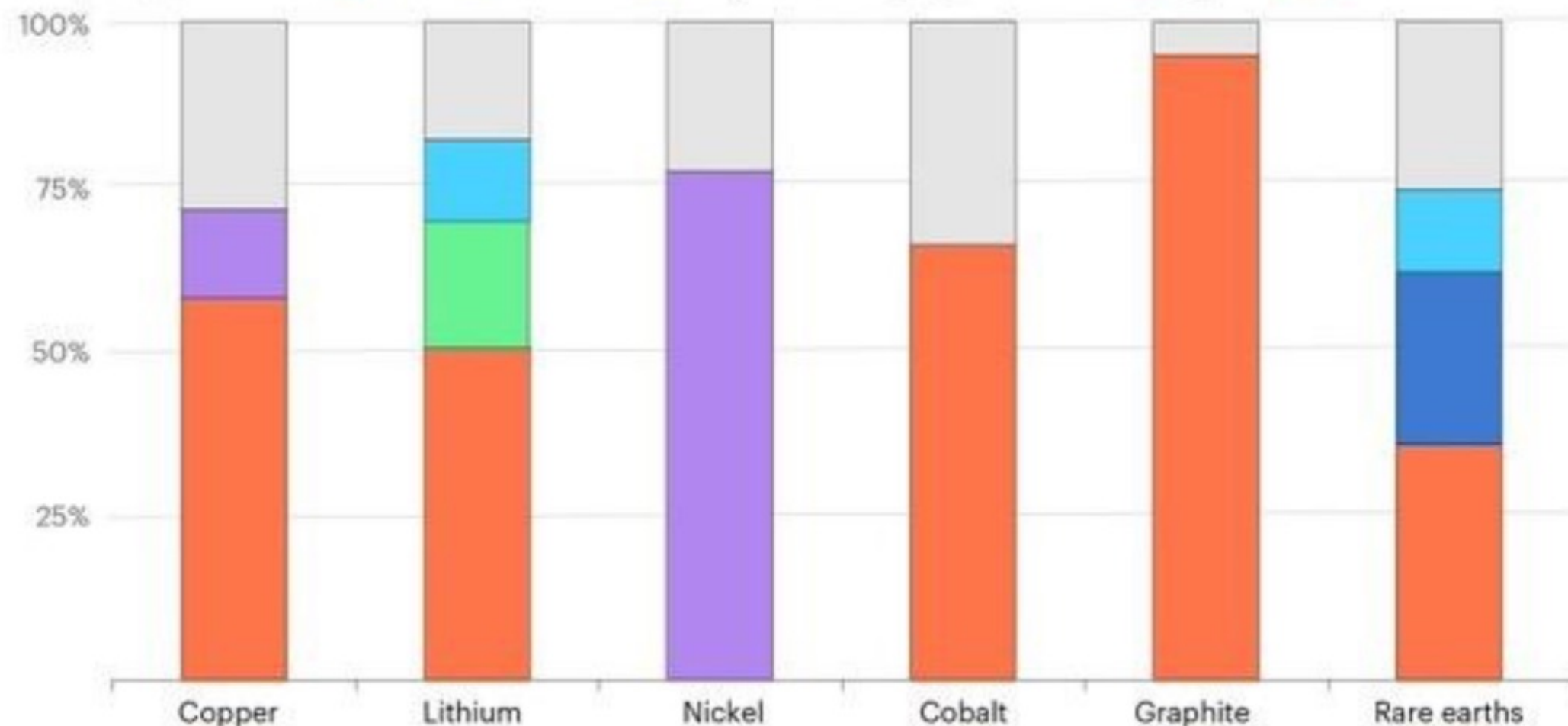
CINA 2024



Sources of supply growth for refined minerals, 2023-2030

Global Critical Minerals Outlook 2024

Today's top producers: China Indonesia Malaysia Emerging producers: Argentina Australia Other



ACTUAL SITUATION (2023)

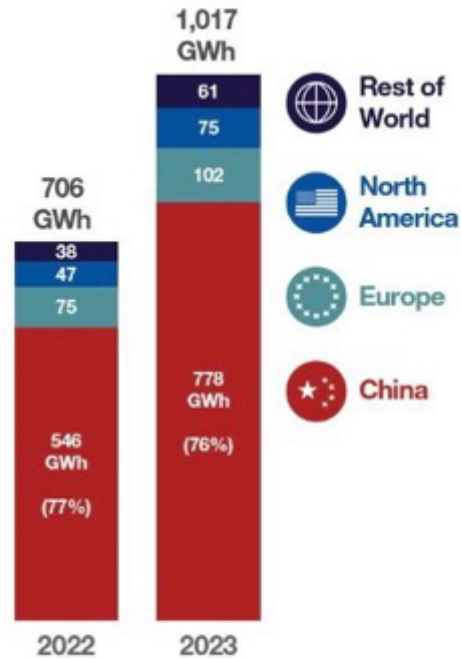


In 2023, global lithium-ion battery cell production exceeded

1 TWh

52% were LFP batteries

Top 3 manufacturers made up 2/3 of output



Source: CRU, national industry associations and manufacturer reports, verified against end-use demand data.

FORECAST (2028)

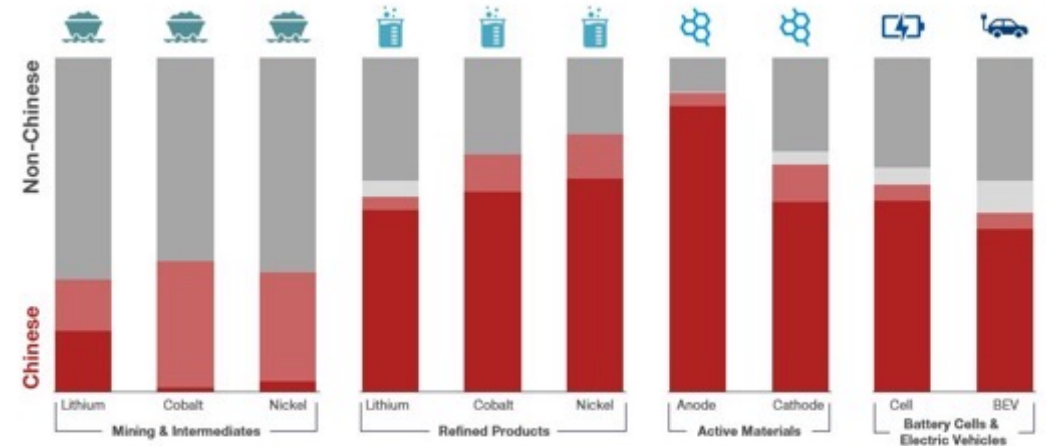


Chinese equity ownership of lithium-ion battery supply chain projects extends far beyond its borders

Although China does not have significant geological deposits of battery raw materials, it has invested in processing capacity at home and overseas.

Battery supply chain production by equity ownership, 2028 forecast, %

■ Non-Chinese outside China ■ Chinese outside China
■ Non-Chinese in China ■ Chinese in China



Percentage based on production volumes x ownership equity stake. Owner origin country based on location of company's headquarters.
DATA: CRU Battery Value Chain Service, December 2023