



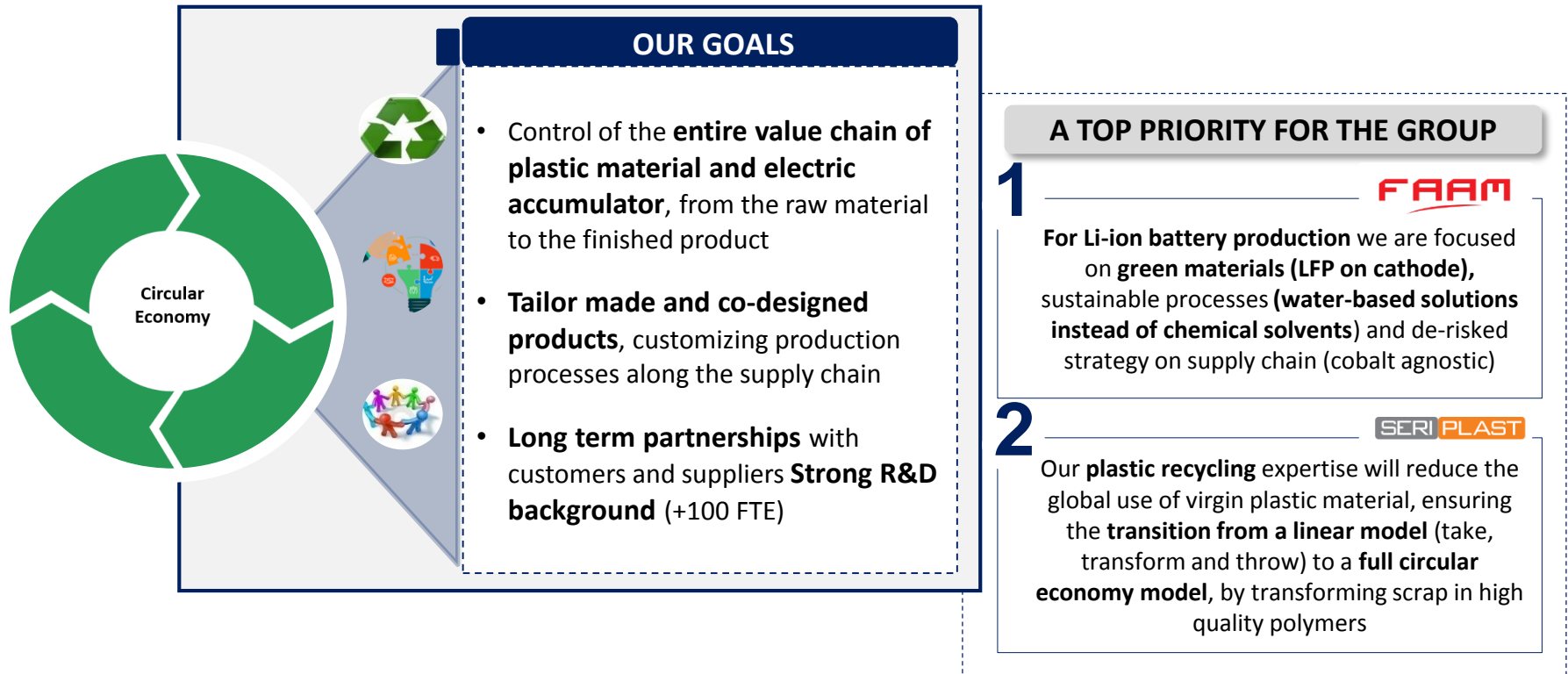
# Investor Presentation



# Mission

## Accelerating the energy and ecological transition

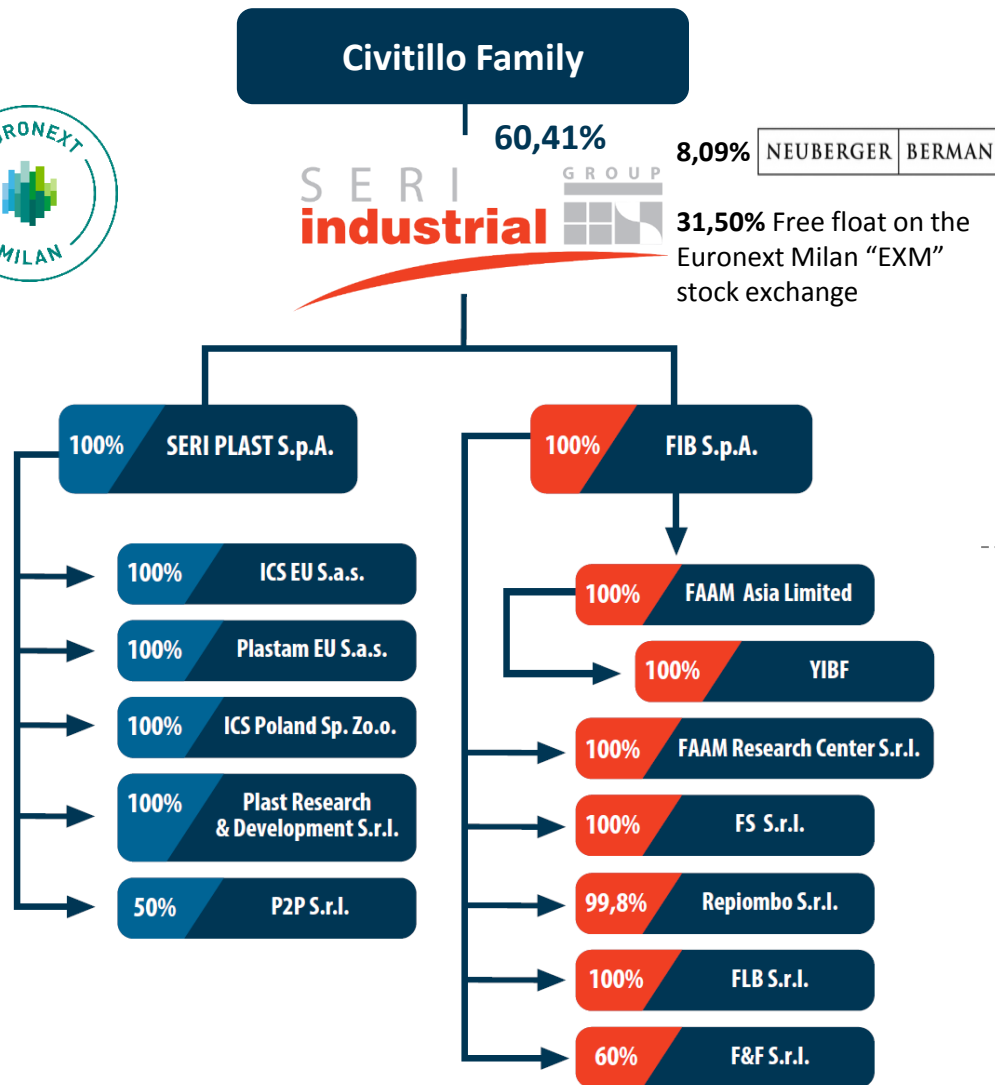
A new way of thinking the economy, with **sustainable processes and products** and supporting the **transition** of the paradigm from a linear model (take, transform and throw) to a full **circular economy model**



The Group is pursuing the **three objectives defined by the recent European Climate Conference**



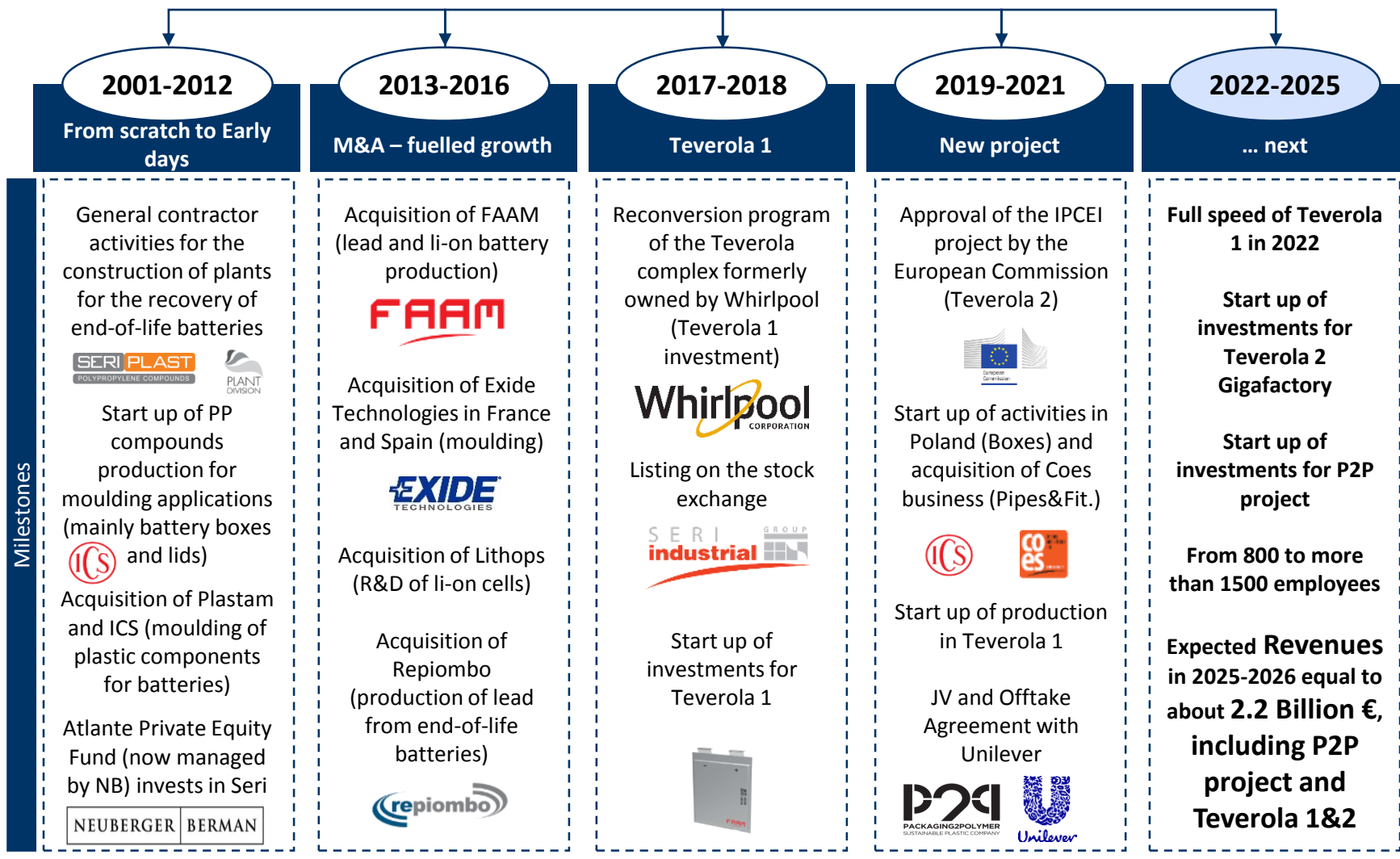
# Group Structure



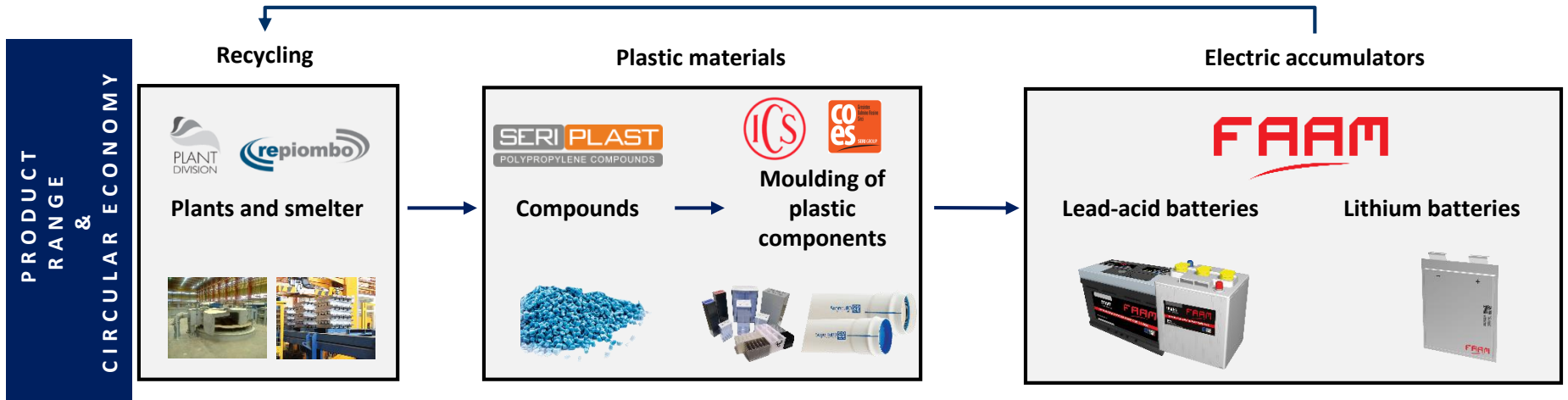
SBU	ACTIVITY
<b>SERI PLAST</b>     	<b>Plastic Materials</b> <ul style="list-style-type: none"> <li>Production of special compounds for the moulding of boxes and lids for electric accumulators</li> <li>Production of special compounds for the automotive and packaging</li> <li>Production of special compounds for the moulding and extrusion of pipes and fittings for the thermo-hydro sanitary market</li> </ul>
<b>FIB</b>       	<b>Electric Accumulators</b> <ul style="list-style-type: none"> <li>Production and recycling of lead-acid and li-ion batteries for motive power, storage, starter and special applications</li> <li>Design and construction of plants for the recycling of exhausted batteries</li> </ul>

# Milestones

**1999:** Seri creation as engineering company



# Footprint



18 Production sites\*

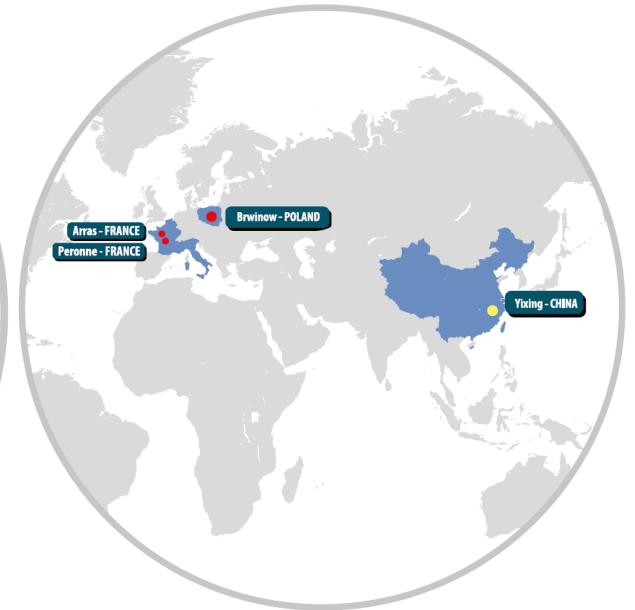
800 People\*\*

## Plastic Materials

●	Canonica d'Adda (BG)	77 FTE
	Pioltello (MI)	98 FTE
	Gubbio (PG)	47 FTE
	Alife (CE)	16 FTE
	Arras (France)	14 FTE
	Peronne (France)	41 FTE
	Brwinow (Poland)	25 FTE

## Electric Accumulators

●	Monte Sant'Angelo (FG)	83 FTE
	Monterubbiano (FM)	61 FTE
	Teverola 1 (CE)	110 FTE
	Yixing (China)	52 FTE
	Calitri (AV)	8 FTE
	Alife (CE)	13 FTE

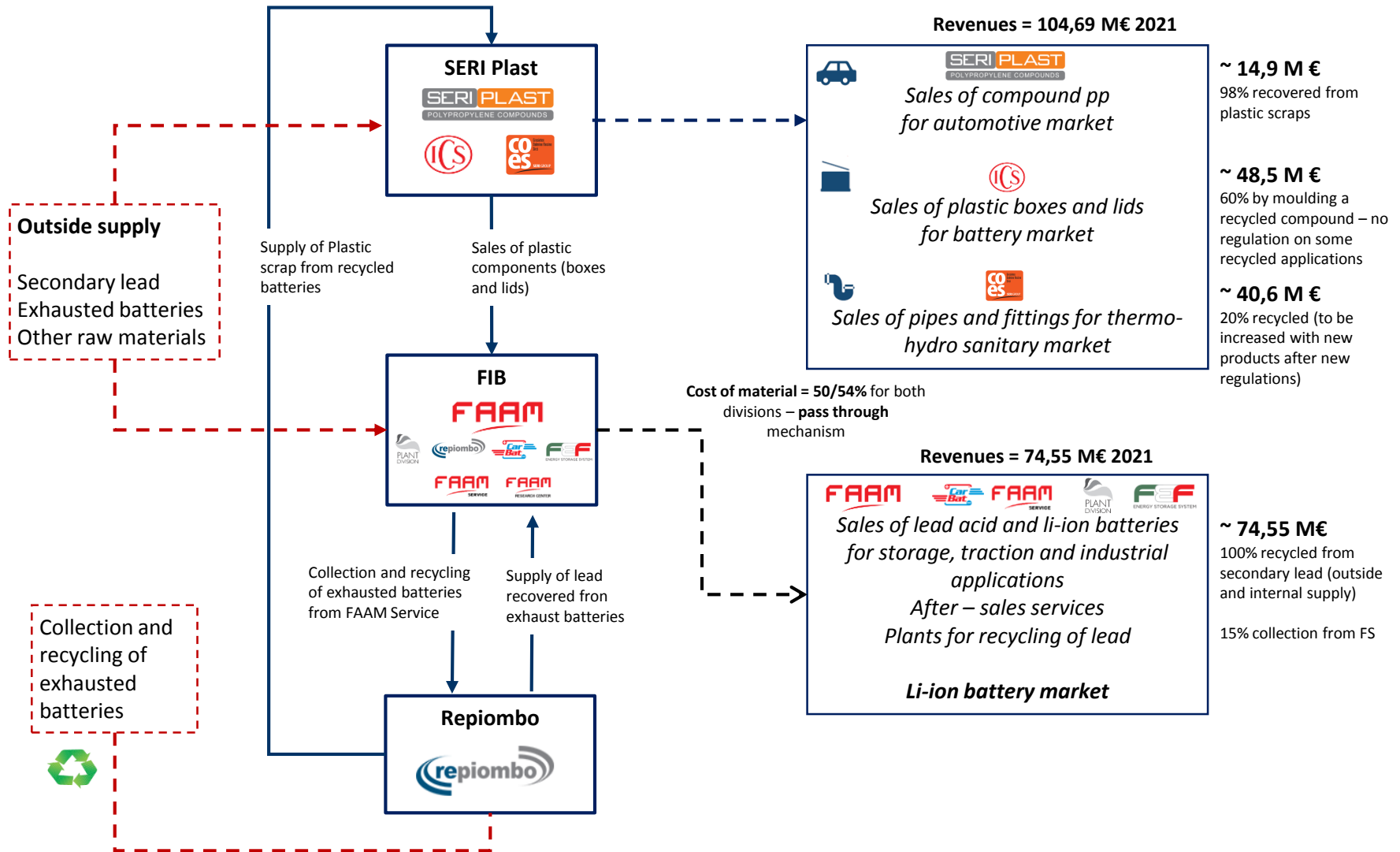


\* including 6 after-sales branches

\*\*including FTEs in the HQ (San Potito Sannitico office), Board members of the Group's companies, and external staff



# Circular Economy



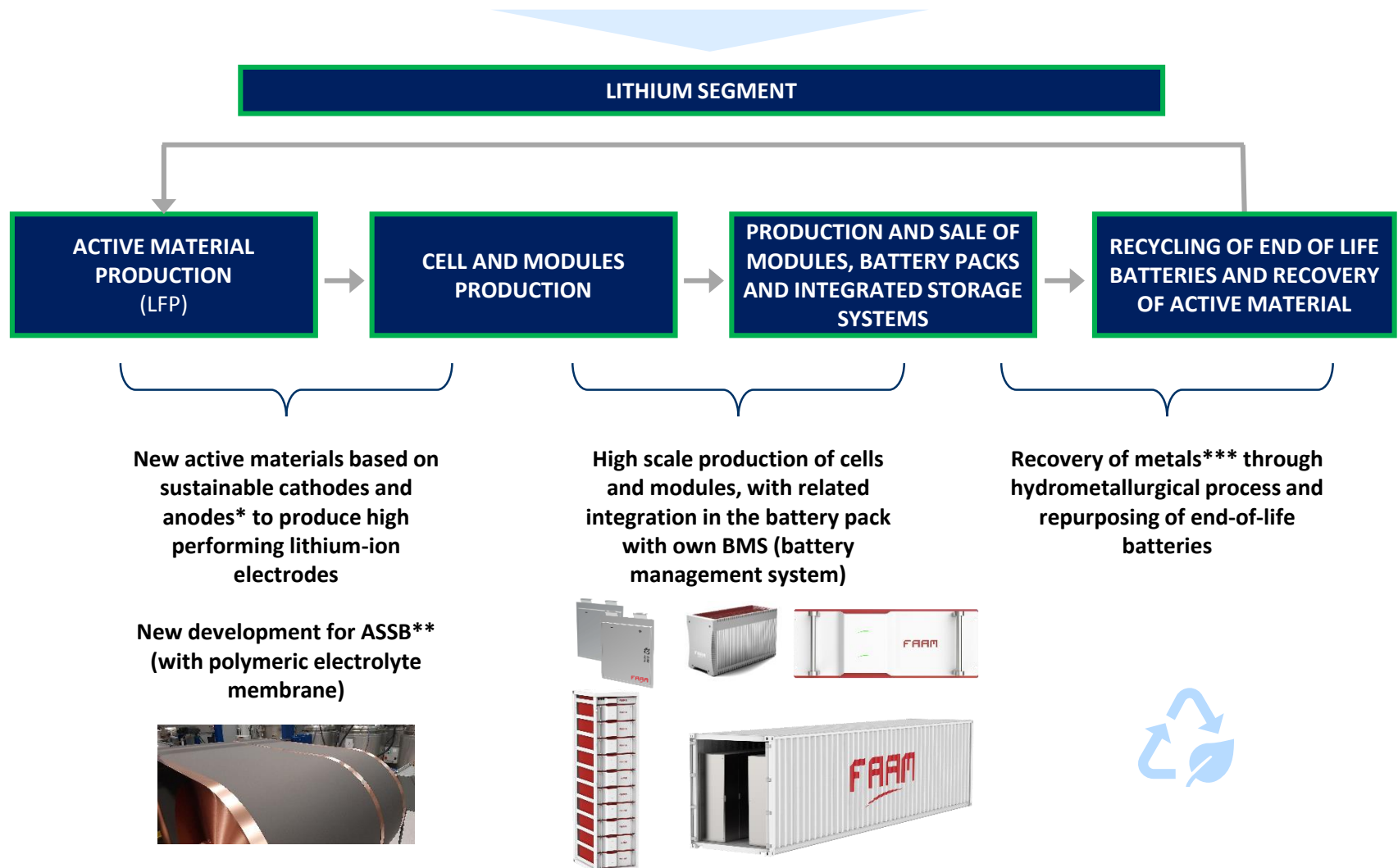
intercompany

Outside supply

Sales third parties

# Vertical integration in the Lithium

The goal is to replicate the successful vertical integration achieved in the lead-acid/plastic



\* Mainly LMFP on cathode and Si/C on anode

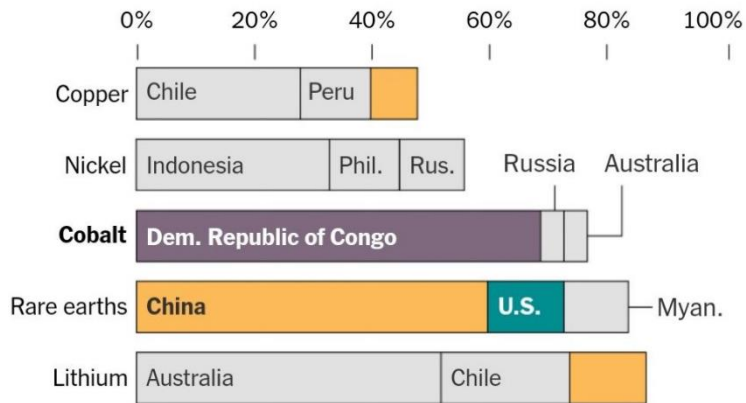
\*\* All solid state batteries

\*\*\* Target metals are Co, Ni, Mn, Al, Li, Cu, Fe

# Why Cobalt agnostic?

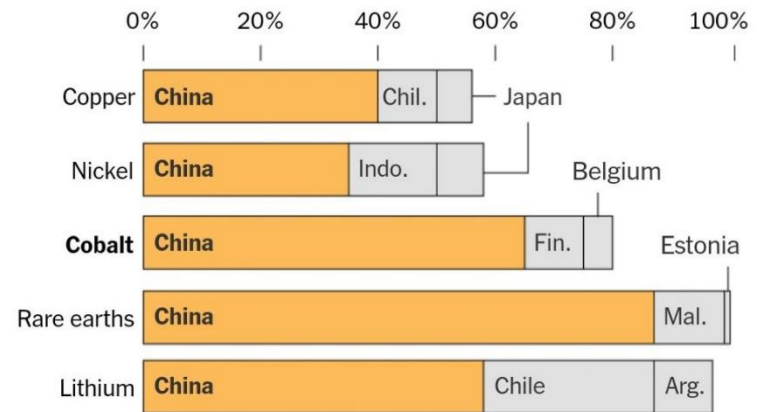
## Where Clean Energy Metals are produced\*

The production of key mineral resources is highly concentrated today. Chart show top three producers.

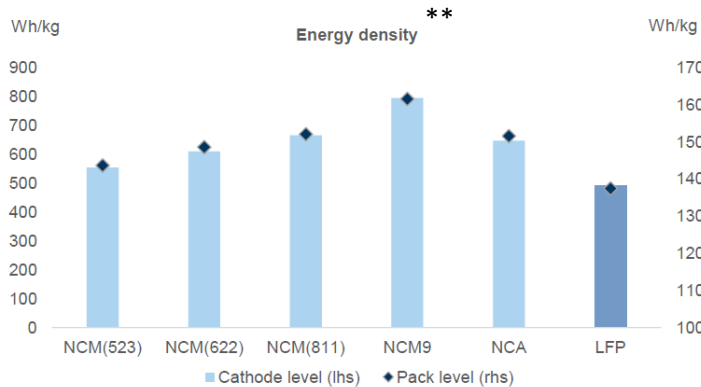


## And where they are processed\*

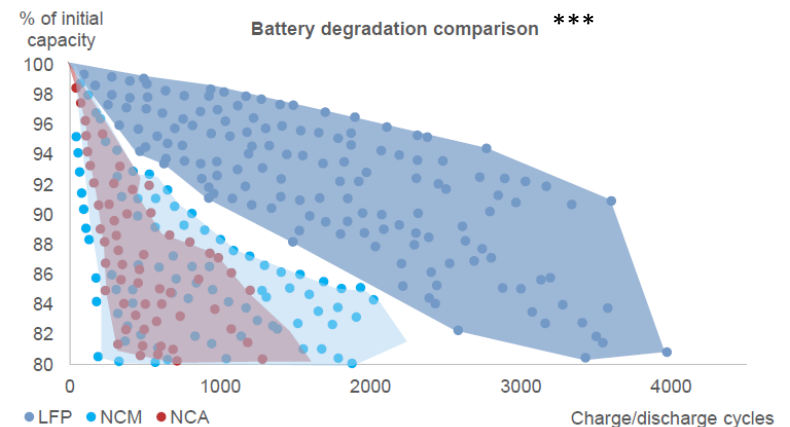
China dominates the refining and processing of key metals.



2022



LFP has a lower energy density than NMC...



...but degrades at a much lower speed

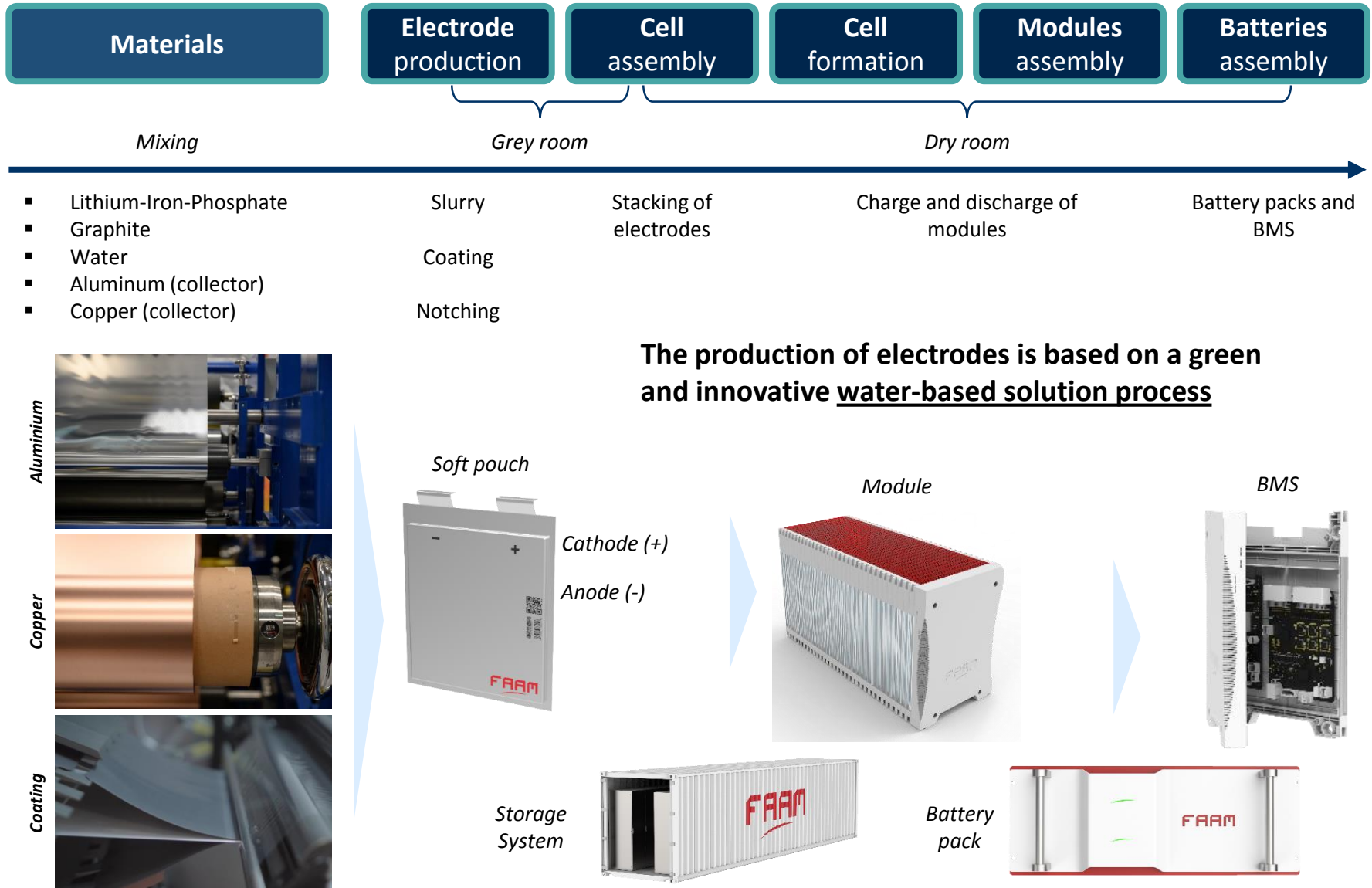
\*Source: International Agency – By The New York Times

\*\*Source: Company data, Wood Mackenzie, SNE Research, Goldman Sachs Global Investment Research

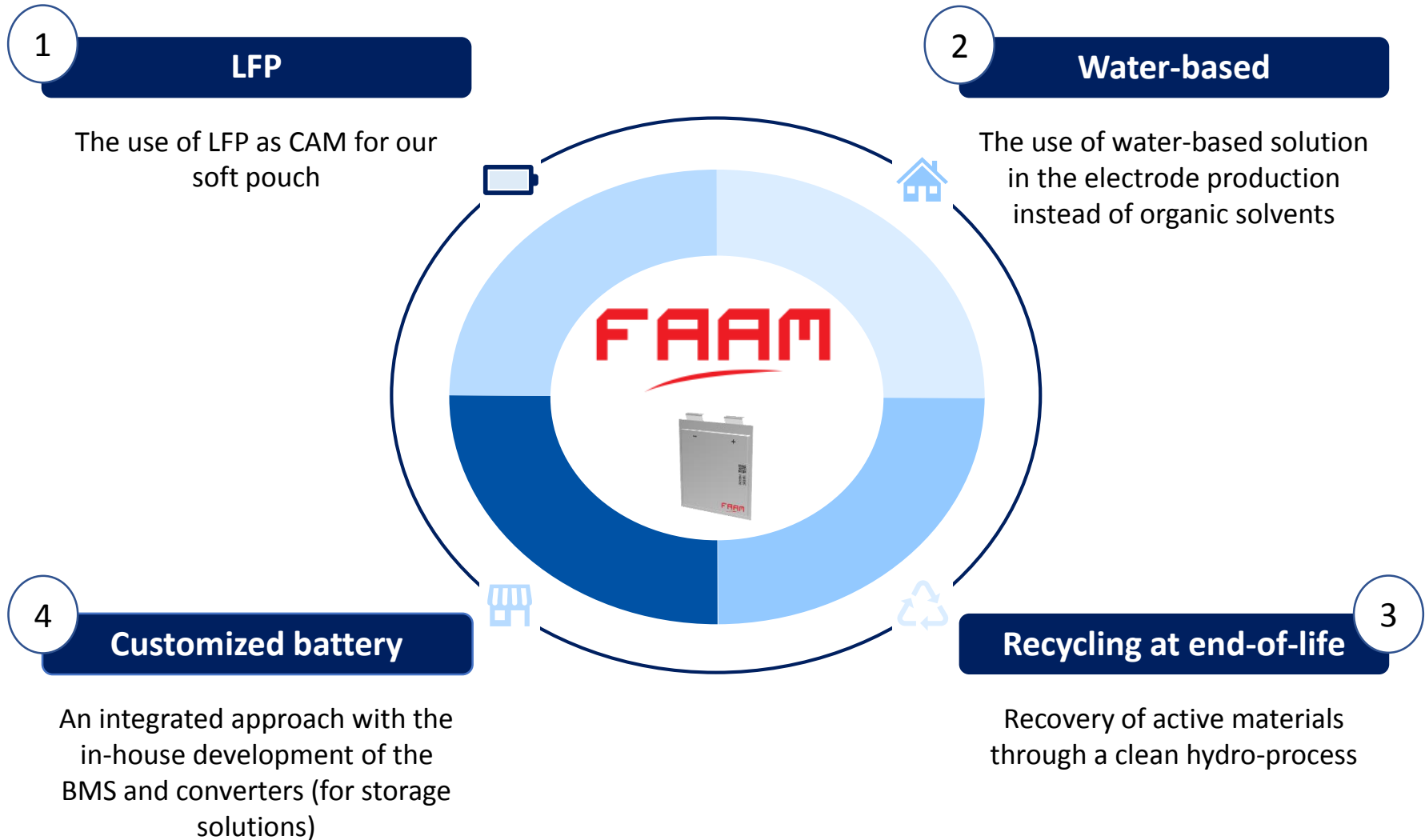
\*\*\*Source: Pregel et al. (2020)



# Lithium battery manufacturing process in Teverola



# Our 4 pillars vision on lithium batteries



# Lithium cluster and new projects

# Teverola Plant – present and future

## TEVEROLA 1 - present

**Capacity:** 330 MWh

**Technology:** LFP soft pouch (50Ah) – high energy density applications with integrated BMS

**60 M€ of realized Capex**

**Applications:** Motive Power, ESS, Public transport, Naval and Defense



**265.000 sqm  
of complex  
area (82.000  
indoor)**

## TEVEROLA 2 (IPCEI)

**Project timesheet:** 2020 – 2027

**Industrial Deployment:** 2020 -2023 (2 years)

**R&D:** 2020 - 2027

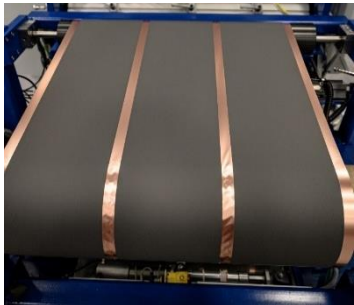
**Capacity:** 8/8,5 GWh

**Technology:** Gen 3b and 4 (solid state)

**505 M€ of investments** (Capex for 358.55 M€ and Opex for 147.29 M€, funded by grants)

50 ton/day of battery treatment in the **recycling pilot line**

**Applications:** Motive Power, Storage, Automotive, Public Transport, Naval and Defense






































# IPCEI Project

## Key Highlights

FAAM project has been approved for the production of **beyond the state-of-the-art li-ion cells** and **recycling of end-life li-ion batteries**



Commission approves €3.2 billion support by seven Member States for project of common European interest for **battery value chain**

Raw and advanced materials	Cells and modules	Battery systems	Repurposing, recycling and refining
BASF  	ACC  	BMW 	BASF  
Eneris 	BMW 	Endurance 	Endurance 
Keliber 	Endurance 	Enel X 	Elemental 
Nanocyl 	Eneris 	Eneris 	Eneris 
Solvay    	FAAM 	Kaitek 	FAAM 
Terrafame 	SEEL 	SEEL 	Fortum 
Umicore  	VARTA 		SEEL 
<b>GIGAFACTORIES</b>			Umicore  

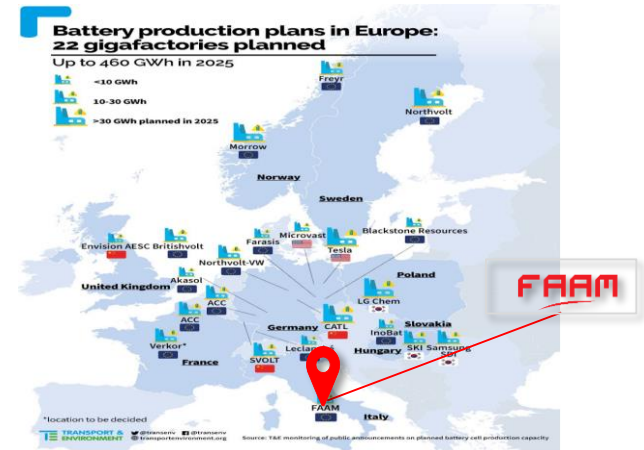
- Member States: Belgium, Finland, France, Germany, Italy, Poland and Sweden
- Integrated project comprising 4 workstreams, covering the battery value chain
- 17 undertakings (some active in more than one Member State) will receive State aid
- Cumulated maximum State aid: EUR 3.2 billion

### A EUROPEAN BATTERY VALUE CHAIN

# Teverola 2 Project

## IMPORTANT PROJECTS OF COMMON EUROPEAN INTEREST

December 2019	Authorization Decision from the European Commission
April 2021	Inter-ministerial Decree defining the general criteria for the operation of the IPCEI Fund
July 2021	Activation Decree enabling the ICPEI Fund in support of the IPCEI Batteries 1
October 2021	Submission of the application for the grant
March 2022	<u>Concession decree in favour of FIB amounting</u> <b>€ 417,046,521.84</b>



### A Mediterranean Gigafactory

Teverola will become the **first technological cluster** to produce lithium batteries in Italy and among the first in Europe, with an **estimated production of about 8/8,5 Gwh/year**

**Building ready – no issue in the construction**

**FAAM**  
 265.000 sqm total  
 (82.000 sqm indoor)

### Next steps

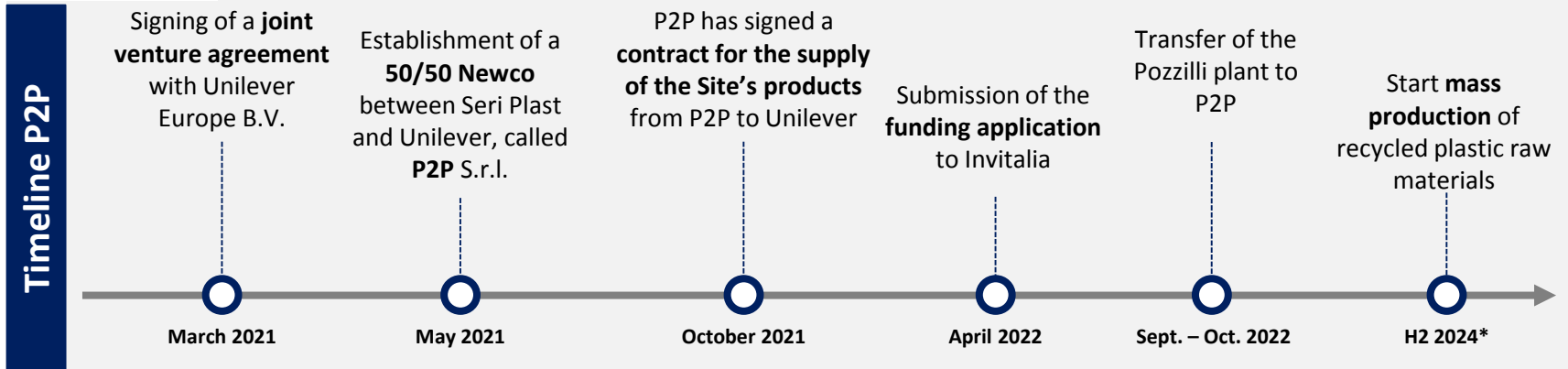
Disbursement of grants to be made within the first semester of each year – first request may be arranged as a 20% advancement of the total amounts

Activation of a specific revolving credit facility to be opened by a pool of banks – to advance the amounts of the grant

Signing of the contract with the suppliers of equipment&machinery – in H1+3 months within September 2022



# JV AND OFF-TAKE AGREEMENT WITH UNILEVER (1/2)



## Off-take Agreement

Term of the Agreement 5 years, renewable for a further 5 years, making a total of **10 years**

Unilever's commitment to purchase at least **65 k tons/year** of recycled plastic raw materials

Unilever expected revenues **€ 110 mln/year\*\***, € 1,1 billion in 10 years

**109 million expected CAPEX** between production investment and R&D investment to be funded by subsidized loan of euro 43,7 million and non repayable grants for euro 38,4 million

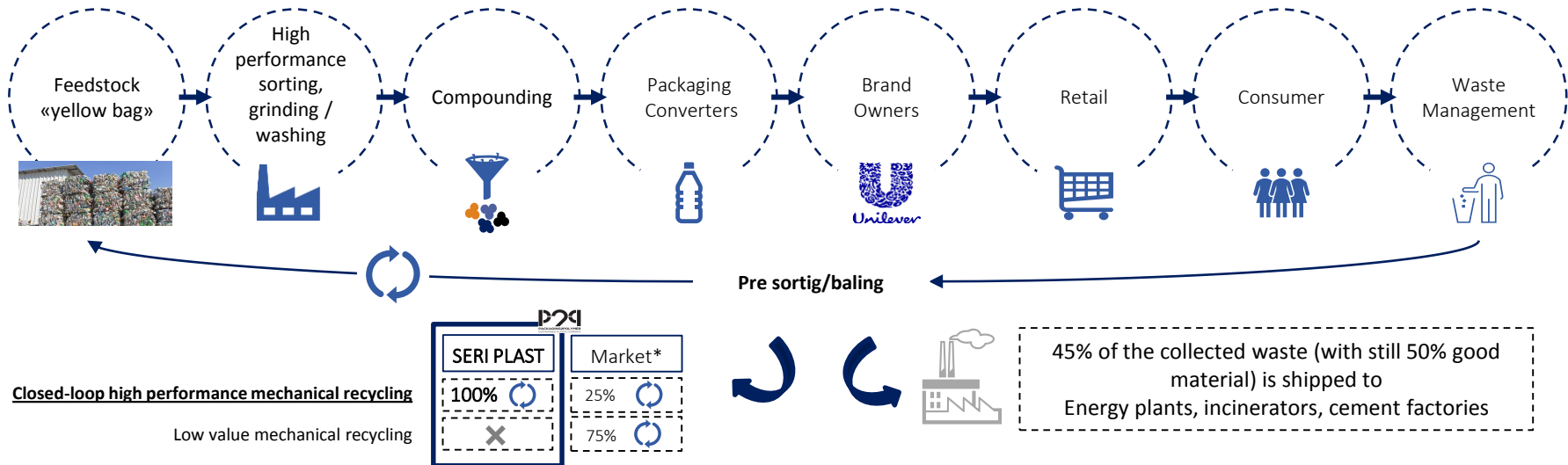
\* The time period may be extended by a further 6 months.

\*\*Based on actual prices of raw materials and on the pricing formula.

# JV AND OFF-TAKE AGREEMENT WITH UNILEVER (2/2)



## POZZILLI PROJECT



### Mechanical recycling 130k ton/y capacity

- Advanced presorting process.
- Grinding/washing/decontamination (food grade targeting on PET/HDPE/PP) – 4 lines
- Compounding/colouring – 5 lines
- Odour removal – 2 lines

### Products

- rPP, rHDPE, rLDPE, rLLDPE, rPET
- Food Grade rPET

Technologies ready to produce also HDPE and PP food grades - when EU regulations will be ready to accept polymers from mechanical recycling into food packaging.

\*Bain & Company, 2019

# Seri Plast & P2P Procurement strategy

## Source of plastic waste



180k ton

of plastic waste to be treated

Feedstock  
(input)

Mixed rigid  
plastic providers

Mixed rigid plastics from MSW  
(Municipal Solid Waste)  
Here there is the main  
innovation

«Own» collection infrastructure

Consortiums

Pre-sorted plastic packaging  
waste  
Italian and European collectors



As a next step, in line with the  
business model in the battery  
business, it could be an  
opportunity exploiting Unilever  
channels

\*And other consortiums

# The Business Plan

SERI Industrial has approved an update of the Consolidated 2022-2026 Business Plan on 22 June 2022

## Key Highlights of the Business plan

- **The business AS IS** (lead-acid batteries and plastic material) is included in the growth with a forecast based on commercial contracts and relationships with customers
- **Teverola 1** – the forecasts are confirming that the global lithium battery demand is linked to the installed (or announced) production capacity with a production deficit in Europe
- **Teverola 1** – the certification activities are still on-going with the commercial ramp-up expected in the second semester of 2022 and full operation in 2023

## IPCEI Project – Teverola 2

- **Production capacity of about 8GWh/year** - at fully operations
- The average selling price of the battery pack is € 200/kWh, with an expected turnover at fully operation of about euro 1,5/1,6 billions
- Mass production at full capacity is expected within **2024**



## Unilever Agreement – Key ratios

- Maximum production capacity of 130k ton/year with Unilever already committed to but the 50%
- Minimum guaranteed turnover of approximately Euro **110 million per year** (based on current raw material trend) only through the off taker signed with Unilever (for the 50% of production). Sales to be started in 2025 at full operations



# Share & Shareholders SERI Industrial

As of March 2022

## Shares key data



**Market:** Euronext (EXM Borsa Italiana)

**Reuters/Bloomberg:** SERK.MI/SERI:IM

**Shares ISIN Code:** IT0005283640

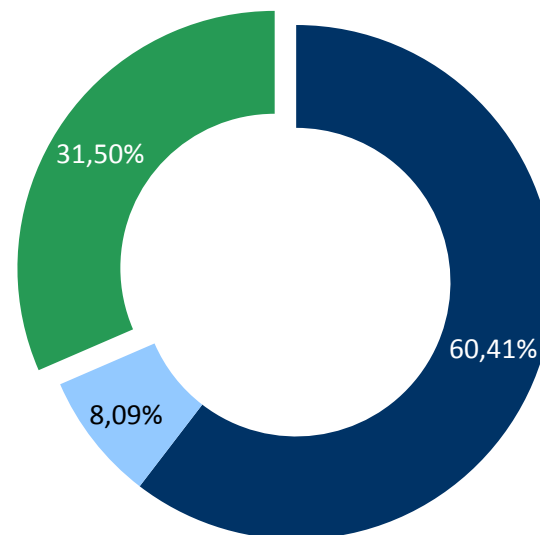
**Number of shares:** 49.012.348

**Classification:** Industrials

**Indices:** Italy FTSE Mid-Small Cap

Coverage*	Analyst	Recommendation
	Marco Cristofori	Buy
	Gianluca Bertuzzo	Buy
	Niccolò Storer	Buy

## Shareholder's base



- Industrial S.p.A
- Neuberger Berman AIFM S.a.r.l.
- Free Float

\* As last Coverage Update, for complete Coverage visit [www.seri-industrial.it/Investor](http://www.seri-industrial.it/Investor)

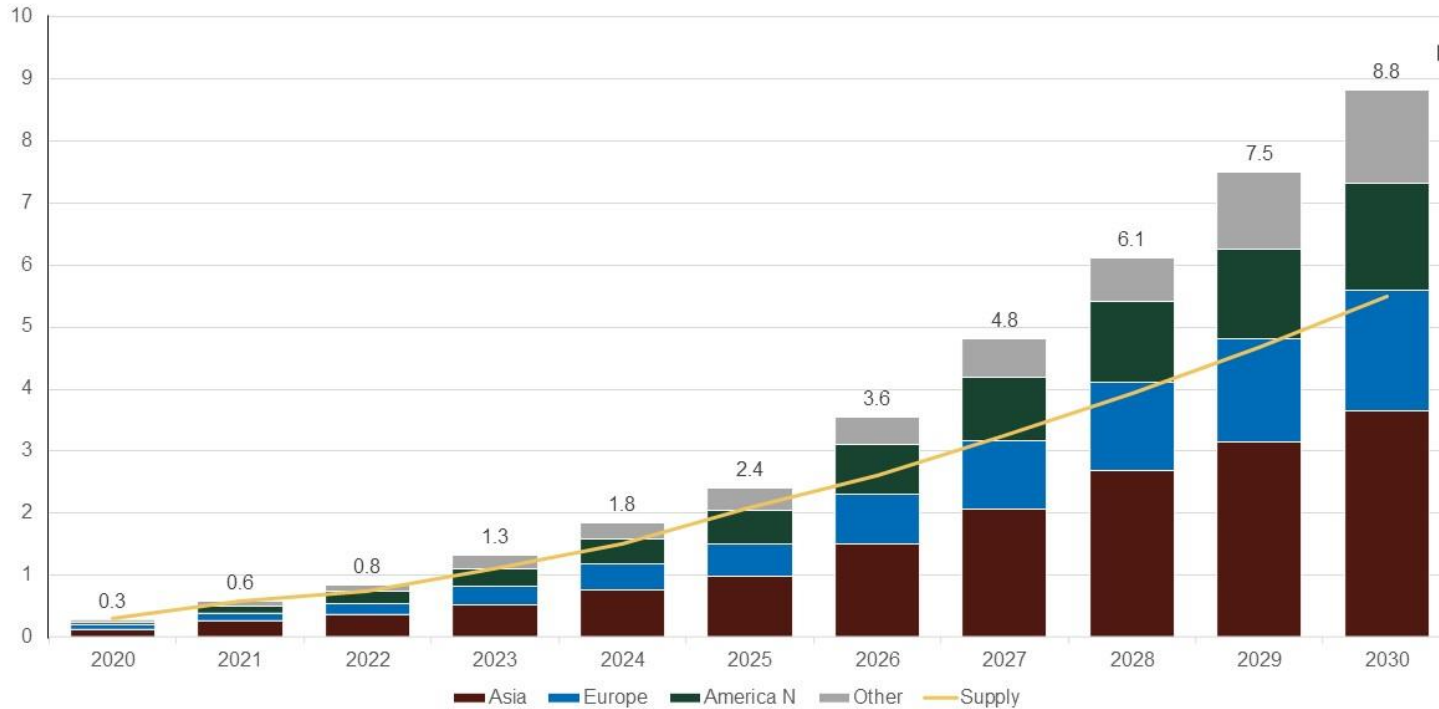
# Global battery for lithium-ion – Forecast

## Global battery supply and demand by region\*

Terawatt-hours (TWh)



RYSTAD ENERGY



\*Includes demand from transportation and energy sectors.

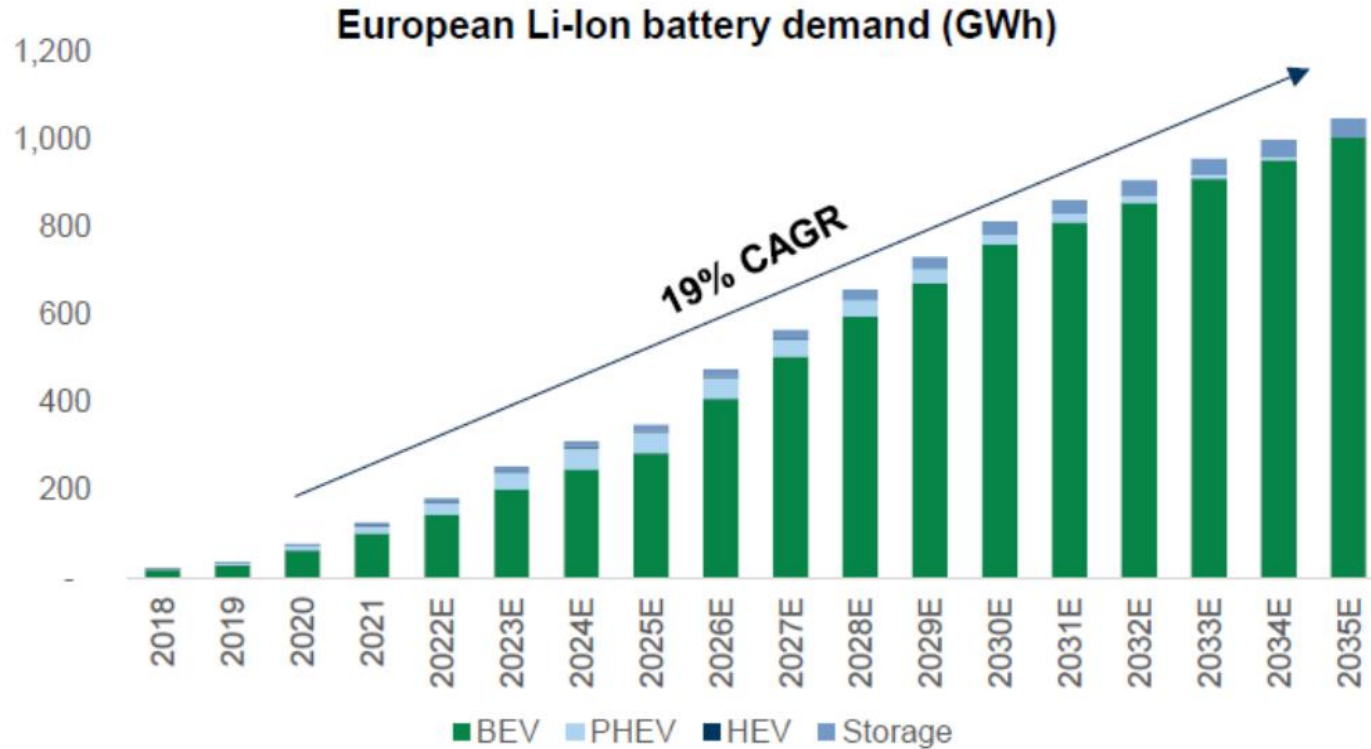
Source: Rystad Energy BatteryCube, Rystad Energy research and analysis

“Battery demand growth is inevitable as the energy transition quickens, but global supply will fall short without substantial investment or improvements in battery technology in the immediate future. Based on announced targets, battery supply will hit 5.5 TWh by 2030, meeting only about 60% of the expected demand. Gigafactories are being built quickly worldwide, and this supply outlook will likely change. Still, the importance of these continued investments cannot be understated,”

says Marius Foss, head of global energy systems at Rystad Energy



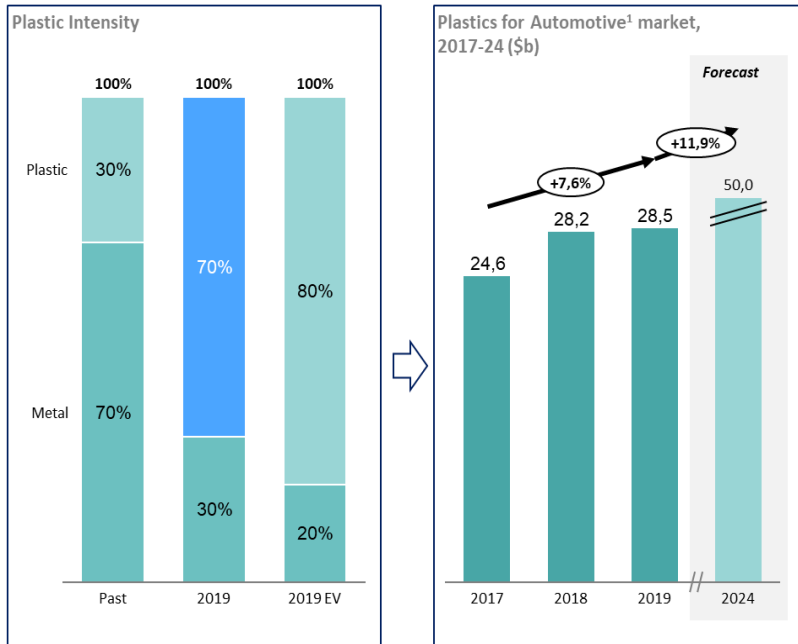
# European Li-ion battery demand (GWh)



Including storage, battery demand expected to reach c. 1,000 GWh by 2035 in Europe

# Market - Plastic sustainable solution in packaging

## Automotive market

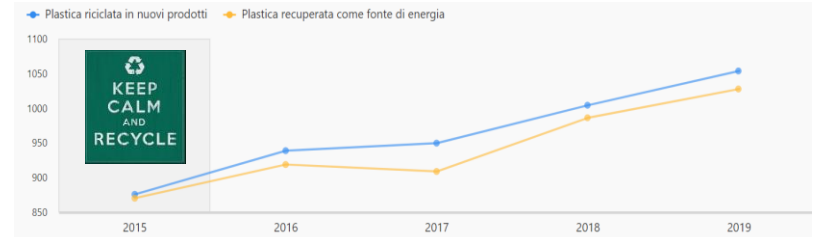


Plastics for Automotive is expected to grow at a **+11,9% CAGR** 2019-2024

Recycled Plastic , CO2 neutral plastic or bio based expected to increase **+40% CAGR** 2022-2025

**It is expected an increasing demand for lightweight materials linked to EVs**

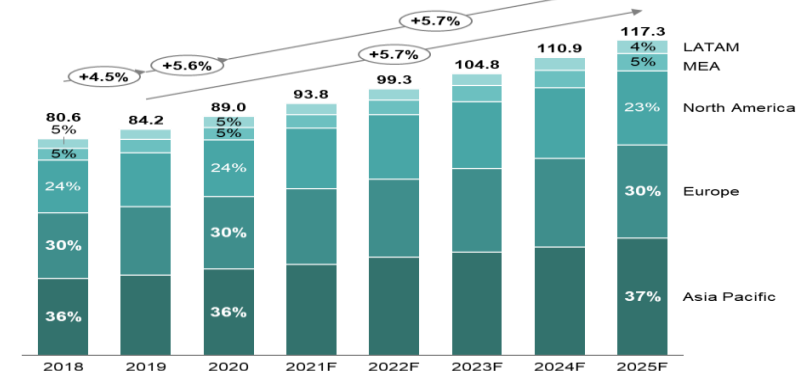
## Packaging market\*



Europe has produced 58 million tonnes of plastics in 2019, a value equivalent to 16% of global production **Recycling of post-consumer packaging accounts for about 61.1% of the total plastic collected for recycling:**

- 2,082 thousand tonnes of plastic packaging was reused and recovered in 2019
- 51% were recycled 1,062 Ktons, 49% was converted into energy
- 1,746.1 thousand tonnes were recycled and recovered in 2015, 335.9 thousand tonnes less than in 2019

Sustainable Plastic Packaging Market by Region 2018-2025 (b USD)



The sustainable plastic packaging market will grow with a **+5,7% 20-24 CAGR**.

# Main financials FY 21

# 2021 Highlights

## 2021 Key Financials

€/000

<b>€ 177,120</b> Total Revenues* € 133,991 in 2020	<b>€ 20,502</b> Adj EBITDA € 5,714 in 2020
<b>€ 38</b> Adj EBIT € (5,449) in 2020	<b>€ 462</b> Consolidated Adj Net Result € (6,650) in 2020
<b>€ 218,951</b> Net invested capital € 209,930 in 2020	<b>€ 120,934</b> Consolidated Equity € 113,962 in 2020
<b>€ 75,047</b> Adj Net Debt € 76,963 in 2020	<b>€ 15,814</b> Adj investment activities € 17,466 in 2020
<b>€ 17,631</b> Cash flow from operating activities € 10,854 in 2020	

## Highlights

↓  
**Total Revenues for € 177,120 Mln, +32,19% growth compared to the same period in 2020 and +13,16% compared to 2019.**

↓  
**Adjusted EBITDA of € 20,5 Mln compared to € 5,7 Mln in 2020 and € 22 Mln in 2019. The result registered in 2021 is higher than expected and higher than the result achieved in 2019, taking into account the significant increase in the cost of raw materials in the last quarter of 2021 and the unforeseen increase in the energy cost, estimated equal to € 1,33 Mln.**

↓  
**The Adj Net Financial Position is equal to € 75,05 Mln after Net Investments for € 25,18 Mln mainly related to Teverola 1 project. The Net Financial Position at the end of the period is equal to € 98,02 Mln and it is including € 22,97 Mln of IFRS 16 effects related to the Right of Use for lease contracts.**

↓  
**The cash flow from operating activities is equal to € 17,63 Mln confirming the Group's capacity to generate cash flows.**

\* Revenues, income and internal works

# Appendix – Business units



**SERI PLAST**  
POLYPROPYLENE COMPOUNDS

**PLAST RESEARCH**  
& DEVELOPMENT SRL



# SERI PLAST



# Recovery of plastic scrap and production of compounds

## Footprint & Operations



Alife, Caserta, Italy



**Alife:** 6.000 sm  
(indoor);  
20.000 sm (outdoor)



**Employees:** 16 FTE

## Background

In the Alife plant, Seri Plast is producing special plastic compounds from primary polymers and from the recycling of scraps (mainly exhausted batteries but also post consumer packaging at end of life). Compounds are mainly produced for battery manufacturers (Serilene product) and for Automotive (Serifill). New applications are going to be introduced for packaging applications (also through P2P initiative). The company has developed various innovative “recipes” homologated by main carmakers

**Market:** EMEA – end market on worldwide base

**Main Clients:** Tier-1 suppliers in automotive industry; brand owners

## Main drivers

- Development of solutions for the recovery of mixed plastics from end-of-life packaging
- Consolidation in the Automotive market through new homologations of “green compounds”
- Organo Sheet R&D activity

## Circular economy

The raw material comes, for the most part, from the waste plastic recovered from exhausted batteries (partially from virgin material).



After cleaning the pollutants and grinding the waste material, it is treated with additives and extruded.

# Moulding of plastic material

## Footprint & Operations



**Canonica d'Adda:** 24.000 sm (indoor), 41.000 sm (outdoor) **Employees :** 77 FTE



**Peronne:** 9.000 sm (indoor), 60.000 sm (outdoor) **Employees:** 41 FTE



**Arras:** 15.000 sm (indoor), 60.000 sm (outdoor) **Employees :** 14 FTE



**Brwinow:** 6.000 sm; **Employees:** 25 FTE



**Pioltello:** 22.000 sm (indoor), 60.000 sm (outdoor) **Employees:** 98 FTE



**Gubbio:** 19.000 sm (indoor), 50.000 sm (outdoor) **Employees:** 47 FTE

## Background

Through **ICS** and **COES/GDS** brands, the company is a leader in the **molding of plastic material market**.

The company operates through two business units:



**Plastic components (boxes, lids and accessories)** for automotive, industrial and storage battery manufacturers;



**Plastic pipes and fittings** for thermo-sanitary market (Naval, infrastructure and building applications).

**Market:** Global

**Main clients:**

- **Battery market:** Exide Technologies, other international customers, FIB as intercompany
- **Pipes and fittings:** retail market at national and international level, Fincantieri for shipping applications

## Key highlights



More than 1000 molds owned by the Company and homologated by final customers



COES product portfolio is highly integrated



Synergies in using the compound based on recycled raw materials



Plants located close to the main clients

## Main drivers

- Increase the boxes and lids market share in Central/Eastern Europe thanks to the new plant in Poland – new plants in Europe coming soon
- Increase of recycled plastics applications in both business units
- Ecobonus in Italy as a new opportunity for Pipes and Fittings sector

# Fabrics and Organo Sheet production

## Tools and materials



**Canonica Plant:** fiber glass/kevlar/carbon fabrics manufacturing

**Teverola Plant:** organo sheet line – laminated sheets with continuous glass, carbon, aramid or hybrid fibers

4 FTE



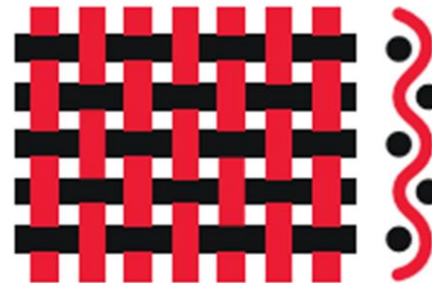
## Product

The organo-sheet product is an innovative solution for the **Metal Replacement**

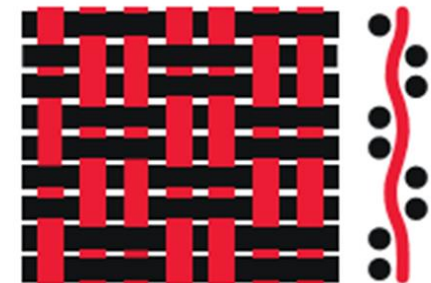
- Semi-finished sheets, the material is impregnated and consolidated
- Semifinished sheets – can be thermoformed and over injected
- Thickness of the sheet from 0,5 mm to 3 mm
- Fabrics with fiber orientation 0/90 degrees, bioriented fabrics
- Fabrics or strip with 0-degree fiber orientation, one-way
- Isotropic non-woven fabrics made from randomly arranged fibers called mat

## Most used fabrics

Tela



Batavia





**FAAM**

PLANT  
DIVISION

repiombo

**FAAM**  
SERVICE

**FAAM**  
RESEARCH CENTER

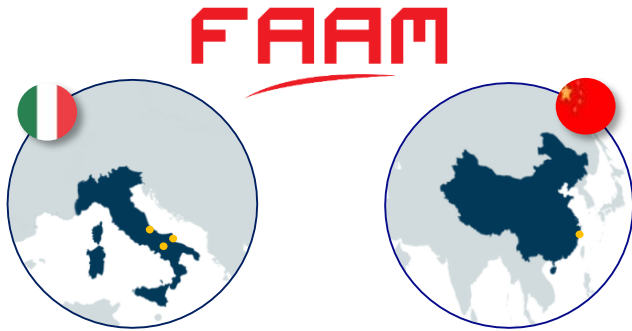
**Car  
Bat**

**FAAM**



# Electric Accumulators

## Footprint & Operations



**Monterubbiano:** 7.500 sm (indoor), 7.000 sm (outdoor); **Employees:** 61 FTE

**Monte Sant'Angelo:** 8.000 sm (indoor), 6.000 sm (outdoor); **Employees :** 83 FTE

**Yixing:** 9.000 sm (indoor), 4.000 sm (outdoor); **Employees :** 52 FTE

**Teverola 1:** 38.000 sm (indoor), 112.000 sm (outdoor); **Employees:** 110 FTE

## Background

**FAAM** is specialized in the design, production and sale of **highly efficient lead acid and Li-ion batteries (including cell production)** for Motive Power, Storage, Starter and specialty applications. The main goal is to guarantee customized solution with high performances.

The product portfolio includes: **(i)** traction batteries for Aftermarket and OE customers; **(ii)** storage batteries for UPS, Telco, energy producers, both for AM and OE; **(iii)** starter batteries (automotive, camion, motorcycles and specialties) for the Aftermarket; **(iv)** li-ion batteries for storage (domestic and BESS), industrial traction (forklifts, material handling, ground movement machines, agricultural, and light traction), military, automotive (commercial vehicles and public transport), and naval



**Market:** Global

**Main clients:** the main market is the Motive Power/heavy duty (OEM and aftermarket), stationary, naval, military and starter.

## Main drivers

- Full speed of Teverola 1 in 2022
- Circular economy replication in the lithium (active material production and recycling)
- Increase of cell's performances currently produced in Teverola 1
- Teverola 2 Gigafactory start up of production
- Increase OEM customers for the lead-acid battery business as a cross selling opportunity with the lithium

# After sales and R&D

## After sales services



**FAAM Service:** service company providing after sales assistance throughout national/European level (and also collection of end of life batteries)

Brand **CARBAT**: B2C network supplying starter batteries to end users CARBAT is also an “on time” battery replacement provider to end users. **European coverage through distributors mainly in Benelux, France, Poland, Iberia, Nordics, UK , Maghreb, and Greece**

**Employees:** 39 FTE

### F A A M C U S T O M E R S E R V I C E



## FAAM Research Center



### FAAM Research Center:

Teverola is the cluster and competence center for all the R&D activities In Monterubbiano there is a laboratory on lead-acid batteries and electronic components for lithium batteries (BMS and packs)

#### Some innovative projects:

- **FAR SEAS Project**, in collaboration with the Italian Navy (Marina Militare Italiana) for the development of a Li-ion battery technology (including a specific Battery Management System) for submarines
- **Military Vehicles Li-ion Battery Project**, in partnership with the Italian Ministry of Defense for the application of lithium technology on military vehicles
- **Public transport bus revamping**, based on the previous experience in the city of Turin together with GTT (public transport company) buses. FAAM operates a conversion of the old vehicles (equipped with lead-acid batteries), fueled with diesel, into a 100% electric vehicle using lithium batteries
- **Specific storage (ESS Large System)**, for the mass production of large storage systems, from 30 kWh up to 5 MWh
- **New chemistries for lithium-ion cells**, analysis on the performance for all the new materials scaled on the Turin labs and recovery of materials from recycling

29 Engineers in electrochemical, mechanical, electronic, and electrical engineering.

For Teverola 2 (IPCEI) expected more 120 R&D managers and technicians High level cooperation with a Chinese university (Changchun University) for cell development



# Plants and Smelter

## Footprint & Operations



**Alife:** 3.000 mq (indoor), 10.000 mq (outdoor);  
**Employees:** 13 FTE

**Calitri:** 8.000 mq (indoor), 20.000 mq (outdoor);  
**Employees :** 8 FTE

## Future projects

- New Innovative projects in the recovery of Slag Heaps
- R&D projects on lithium-ion battery recycling

### Calitri plant: strenghts

- FIB will reduce the material cost (lead cost)
- The plant will face an important reduction of the atmospheric emissions

## Background

FIB is also focused in the design and construction of innovative plants for the recycling of batteries and in the recovery of lead from exhausted batteries (smelter activity for the production of secondary lead).  
The production of secondary lead allows the upstream integration along the battery supply chain

The plant design activity has carried out a unique know-how on sustainable recycling of industrial scraps

**Market:** global

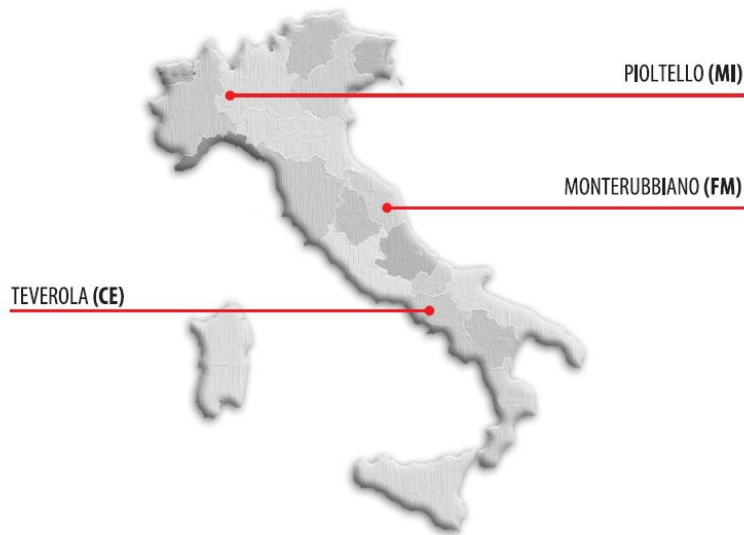
**Main clients:** other smelters and battery manufacturers; captive for FAAM

## TRACK RECORD PLANT ACTIVITY – ALIFE PLANT



**40 plants realized  
worldwide**

The mission of SERI is to be a key actor in the transition to sustainability and decarbonization, through a continuous R&D activity to meet Circular Economy and Sustainable goals at European and global level



## Plast Research & Development

### Main goals & projects

Innovation of plastic products (PP compound)

Focus on specialties in the plastic pipes market

Organo sheet



## FAAM Research Center

### Main goals & projects

Full involvement of the R&D team in development of the Teverola 2 lithium cell production plant

New energy efficiency projects of lead-acid batteries

Li-ion batteries recycling projects

New chemistries

The other main goal is to realize tailor made products, based on customer specifications through a continuous R&D activity together with main stakeholders (clients, institutions, suppliers, universities and academic centres)

# Joint venture

Since 2021



**Joint Venture**

On September 2021 FAAM and FRIEM signed for this JV with the main purpose to design and supply custom made energy storage solutions covering all the main applications on the market:

- Turn Key Solutions in energy Storage
- Made in Italy
- 2 production sites
- Internal Lab and workshop for the different applications
- Tailor made solutions
- One supplier for the full system
- Service agreements
- More than 100 years of experience together



# Market segmentation



## RE/POWER INTEGRATION



- Energy Storage Systems (ESSs) can help in mitigating potential grid concerns and integrate renewable energy resources without affecting grid reliability.
  - New and existing plants
  - Both AC or DC coupled
- ESS to manage peaks and make flat generation from traditional power plant

## GRID SUPPORTS



- ESSs to provide services to the TSO\*, such as:
  - frequency regulation: maintain the balance of supply and demand and hence the frequency of power
  - voltage compensation: reactive power to the transmission system in similar ways to a capacitor
  - investment deferral: ESS used to meet increase capacity in Transmission & Distribution

## COMMERCIAL & INDUSTRIAL



- ESSs to provide benefits to the end users
  - Peak Shaving
  - Demand charge management
  - back-up power
- and utilities
  - meet capacity requirements
  - provide demand response

## APPLICATION DESCRIPTION

# Market segmentation



## APPLICATION DESCRIPTION

### MINIGRIDS



- Involve small-scale electricity generation and associated ESSs which serves a limited number of consumers via a distribution grid that can operate in isolation from national electricity transmission networks

### RECHARGE



- ESSs to provide support for the deployment of electric vehicle charging stations to overcome the limits of network infrastructure.
  - Personal/Fleet Cars
  - Depot (Busses)
  - Port (Boats)

### OFF-GRID INDUSTRIAL



- Micro-scale energy generation with associated ESS to provide reliable power supply to strategic monitoring and metering plants.

# LiHOME



## RELIABLE PERFORMANCE

LiHome provides reliability for your home with its industry leading longevity.



## COMPACT SIZE

Allows you to place it anywhere you want, both indoors and outdoors.



## EXPANDABLE

LiHome can be increased at your need.



## SAFETY

The safety of Lihome is proven in ESS markets by FAAM tests.

# LiHOME Features

## Features

- Overvoltage
- Undervoltage
- Overtemperature
- RS-485 communication
- Wi-Fi communication by a proprietary App on both IOS or Android (at request)
- CAN Bus 2.0 communication for the BMS
- Pre-charging system
- High number of cycles (> 4000 cycles)
- Energy saving (efficiency > 98%)
- High energy density and power
- Zero emissions

