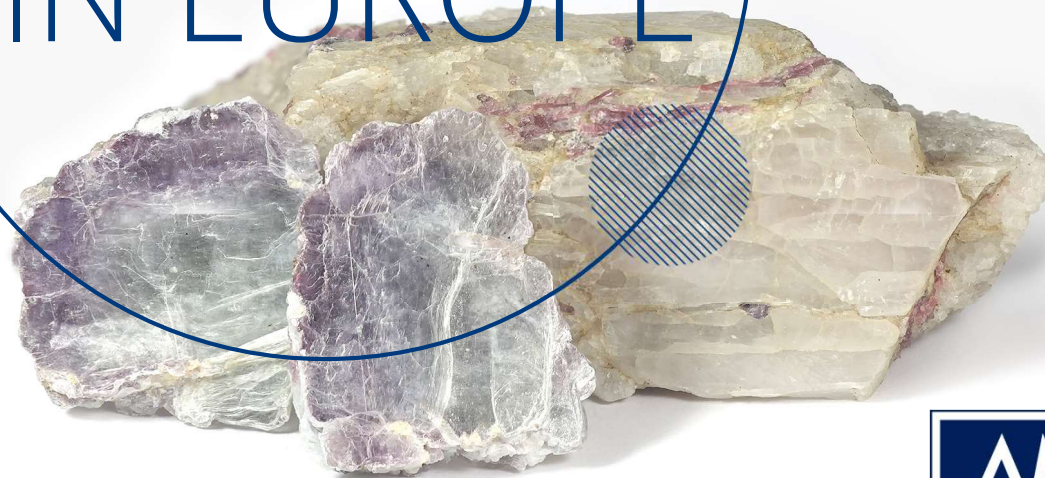


THE AMG LITHIUM HUB

YOUR ACCESS TO
LITHIUM IN EUROPE



HIGH DEMAND

**UNTIL 2030 THE PRODUCTION
OF EVs IN EUROPE WILL INCREASE
TO 12,000,000 UNITS PER YEAR.**



THIS WILL REQUIRE
AT LEAST **550,000 MT**
OF LITHIUM HYDROXIDE.





BUT NO ACCESS

AS OF TODAY
OF ALL BATTERY GRADE
LITHIUM COMES FROM
OVERSEAS.

100%



CREATING ACCESS TO LITHIUM

BRINGING EUROPE

ON THE MAP

BECOMING **THE PREFERRED SUPPLIER**



OUR MISSION

We strive to become the preferred supplier for the battery market in Europe with the highest quality Battery Grade Lithium Hydroxide and other high-performance battery materials.

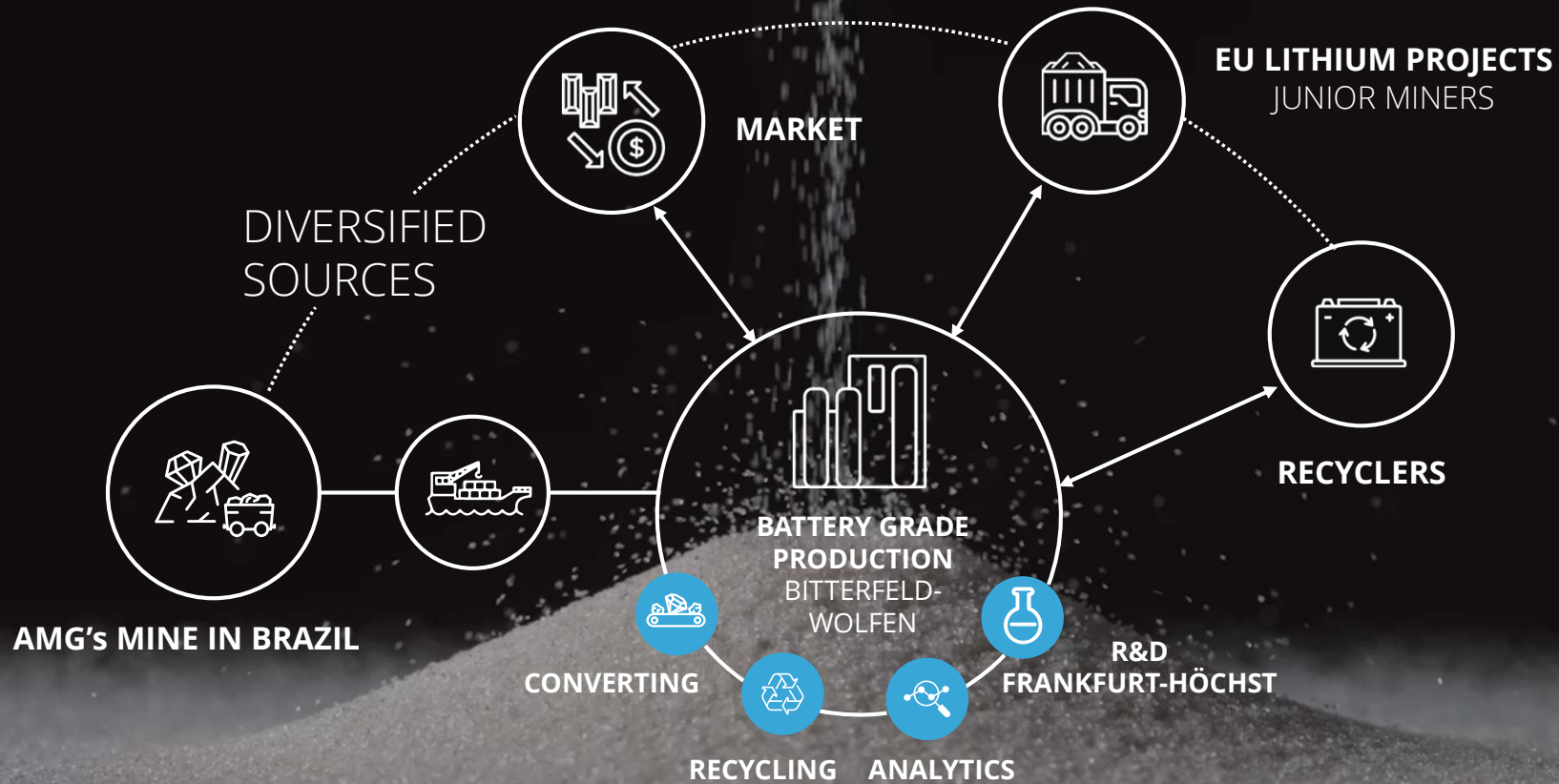


OUR VISION

BUILDING EUROPE'S
LITHIUM HUB

THE AMG LITHIUM HUB

ENGINEERING SYNERGIES IN PROVIDING LITHIUM



THE HUB OUTPUT

5 MODULES WILL DELIVER 100,000 TPA OF LiOH

OUR CONTRIBUTION TOWARDS A ROBUST SUPPLY CHAIN FOR EUROPEAN CELL MANUFACTURERS

Lithium Hydroxide Technical Grade Feed

Diversified sources

AMG Lithium Brazil

Market

EU Lithium projects

Lithium battery
recycling

Lithium Hydroxide Battery Grade Production

Modular plant concept for
100,000 tpa of LiOH

AMG module 1
(20,000 tpa)

AMG module 2
(20,000 tpa)

AMG module 3
(20,000 tpa)

AMG module 4
(20,000 tpa)

AMG module 5
(20,000 tpa)

Lithium Hydroxide Battery Grade Consumers

Targeting customers in Europe

EUROPE

THE HUB PERFORMANCE

LITHIUM CHEMICALS FOR THE NEXT GENERATION
OF LITHIUM-ION BATTERIES

1.

Upgrading of technical grade or low-grade feedstock to high-quality battery grade Lithium Hydroxide

2.

Assessing further technical grade lithium salts as feedstock for future modules

3.

Supplying Lithium sulfide for the emerging All-Solid-State-Battery market

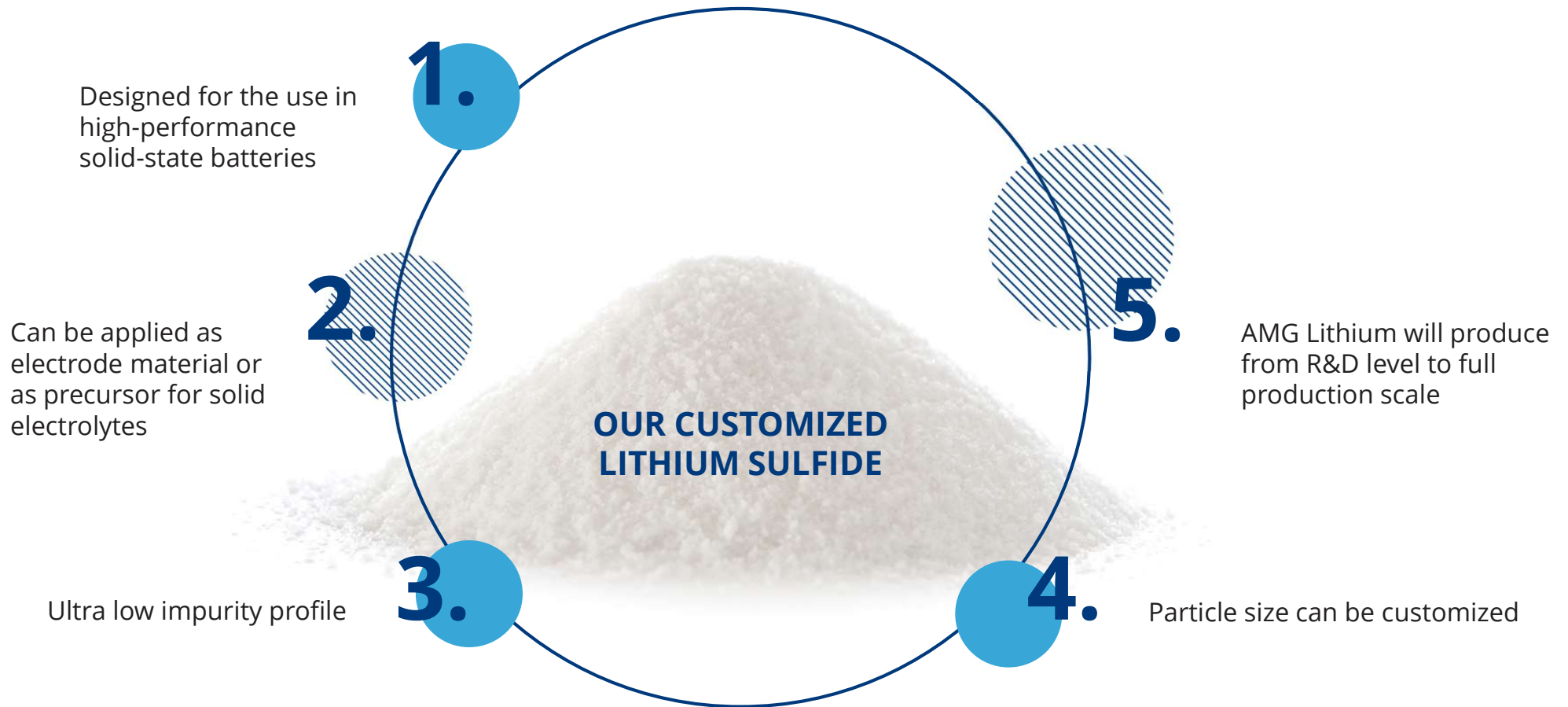
4.

Developing a production process for sulfidic solid electrolytes

5.

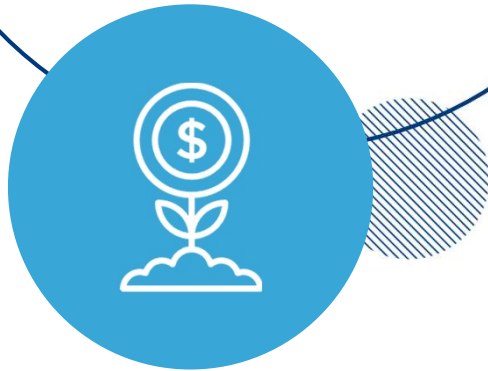
Performance tests for solid electrolytes available

PERFORMANCE ON DEMAND



5 Mio €

INVESTMENT INTO
R&D AND ANALYTICS



THE HUB INTELLIGENCE CENTER

We pursue a holistic approach and support the entire lifecycle of lithium: from mining of crude ore to refining of battery precursors up to usage in different battery applications.



State-of-the-art battery laboratory

- Synthesis methodology
- Analytical methods pool
- Performance pool



Technical support and process optimization for production sites



Highly experienced team of lithium experts (average professional experience in the lithium business of +10 years), in research & development, production technology, and commerce



R&D on materials for next generation Lithium-ion batteries needed for electromobility and energy storage

THE HUB'S RELIABLE BACKBONE

WE ARE PART OF THE AMG ADVANCED METALLURGICAL GROUP



3,300
employees



~\$1 billion
annual revenues



Market leading producer of highly engineered specialty metals and vacuum furnace systems



Access gate to resources and know-how



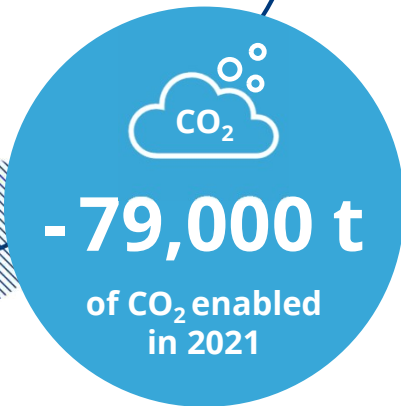
Global supplier of critical minerals to:
Transportation, Infrastructure,
Energy, Specialty Metals & Chemicals

TOGETHER WE CARE

MORE SUSTAINABILITY BY INNOVATING PROCESSES AND PRODUCTS AND RECYCLING OF RESOURCES

AMG COMMITS BY 2030:

- 1.** Direct reduction of CO₂ emissions by 20% = 125,000 t (baseline of 2019)
- 2.** Increasing enabled CO₂ reduction by 10% per year from 2021



Reduction of CO₂ by recycling, innovation and enablement

Recycling

AMG is the world's largest recycler of vanadium and continues to expand its circular economy wherever possible

Innovation and Quality Management

AMG develops innovative, high-quality products to help our customers meet their performance and CO₂ reduction goals

AMG's ECO2RP concept

- Portfolio of 11 AMG products that enable CO₂ reduction
- Verified by third-party LCAs

Example of AMG Lithium: Lithium production in Brazil

- Substantive reduction of the CO₂ "load" of a ton of lithium concentrate
- Production is partially supplied by residues from previous tantalum mining and partly from primary mining

GOOD REASONS FOR COOPERATION

YOUR BENEFITS

1. HIGH PRODUCT PURITY

Premium battery grade lithium products

2. POTENTIAL SYNERGY

Lower production and transport costs

3. SECURITY OF SUPPLY

Upgrader will not depend on one single resource

4. REDUCED QUALIFICATION EFFORTS

Quality and process stability is key! Our validated processes will reduce qualification efforts at our customers

5. FAST LOCAL REPLACEMENT

AMG Lithium will upgrade out-of-spec LiOH from customers and the market

6. RECYCLED MATERIALS

Lithium salts from battery recycling could be provided to AMG to generate high-purity LiOH



OUR VISION

Enable Europe to cover 50% of its lithium demand locally and through recycling by 2040.

CONNECT TO THE HUB

LET'S MAKE

**EUROPE'S MOBILITY
TRANSITION HAPPEN!**

