THE TECHNOLOGY OF ENERGY TRANSITION

Investor Presentation | September 2025



AMG CRITICAL MATERIALS N.V.

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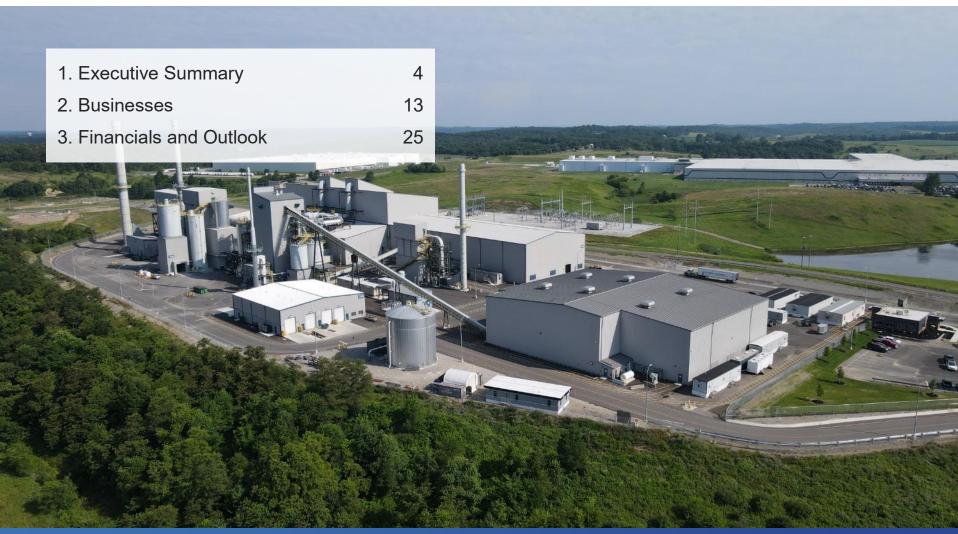
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AMG Vanadium: Zanesville, Ohio, USA

1. EXECUTIVE SUMMARY



AMG Engineering: ALD Vacuum Technologies' Thermal Barrier Coating for turbine blades (Hanau, Germany)

INVESTMENT CASE HIGHLIGHTS

- 1 Unique Portfolio of Conflict Free Critical Materials and Technologies
- 2 10-11 Critical Materials for the Energy Transition in the EU and the US
- 3 Market Leader in Key Jet Engine and Nuclear Fuel Rejuvenation Technologies
- 4 Focus on Substitution of Imports and Recycling
- 5 Resilient Financial Performance Despite Depressed Lithium and Vanadium Prices
- 6 Growth Capex Cycle Largely Completed
- 7 Healthy mix of experienced managers and "next generation leaders"

CRITICAL MATERIALS AND TECHNOLOGY FOR ENERGY TRANSITION

WHAT AMG DOES

- Independently sources, upgrades and purifies critical, conflict free materials for energy transition and CO₂ reduction
- Produces market leading vacuum furnaces for specialized alloying applications incl. aerospace engines, nuclear fuel rejuvenation

AMG CORF PRINCIPLES

- · Leading producer in all our markets
- Low-cost producer in all our markets
- Innovation driven
- · Intensive risk management system and control structure

GLOBAL TRENDS DRIVING CRITICAL MATERIALS DEMAND

GLOBAL TRENDS

Need to contain CO₂ emissions; improve supply security and preserve technological supremacy

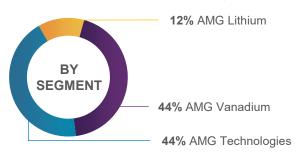
DEMAND

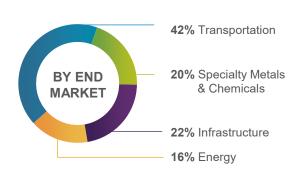
Science-based, conflict free and geopolitically autarchic materials and solutions for energy transformation

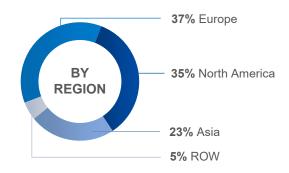
SUPPLY

Critical materials supply is dominated by China and Russia; AMG is focused on import substitution

FY 2024 REVENUE OF ~\$1,4 BILLION

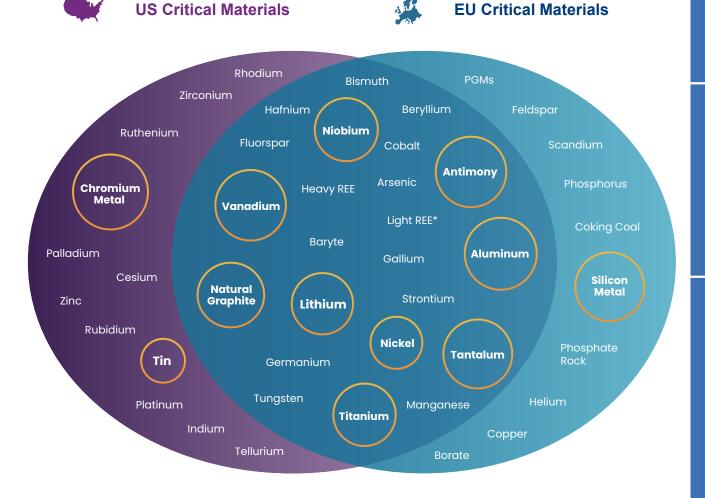






Market leading producer of specialty metals and vacuum furnace systems

UNIQUE PORTFOLIO OF CONFLICT FREE CRITICAL MATERIALS



- AMG has a
 unique critical
 materials portfolio
 comprised of
 10 EU critical
 materials and
 11 US critical
 materials
- The EU identifies
 34 total critical
 raw materials,
 the US 50*

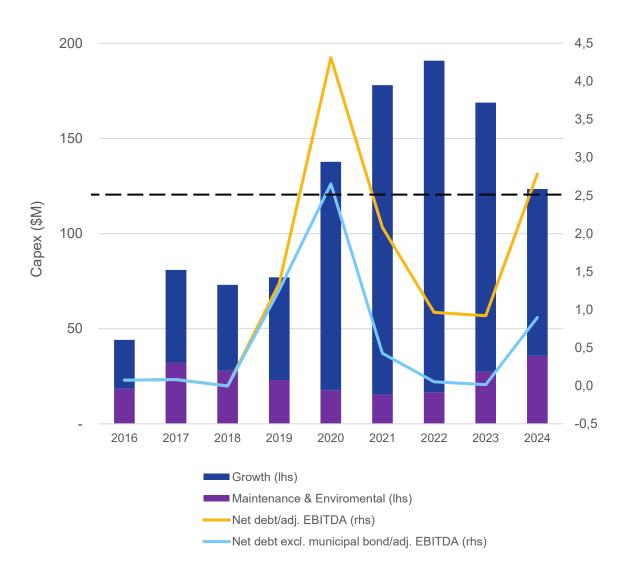
THE TECHNOLOGY OF ENERGY TRANSITION





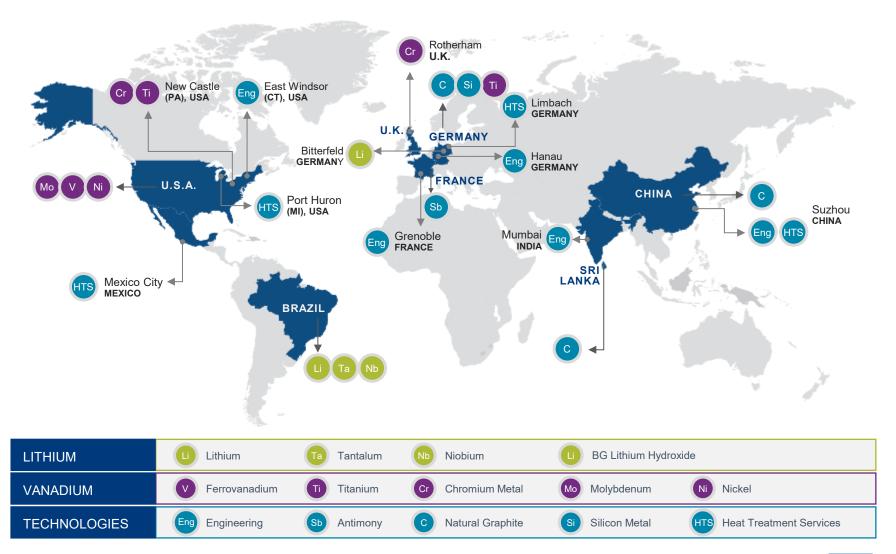
- AMG Engineering is a global leader in vacuum metallurgy incl. thermal barrier coaters for jet engine blades enabling CO₂ emission reduction
- offers individual vacuum melting and refining solutions for the purification of critical metals such as titanium, superalloys and rare earth metals enhancing AMG's critical materials strategy

END OF HEAVY CAPITAL EXPANSION PHASE

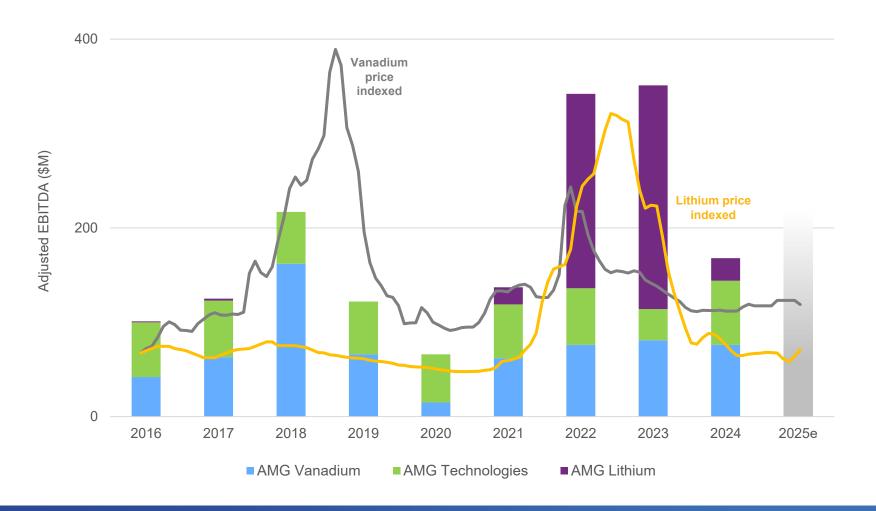


- ◆ AMG has invested >\$650 million in capital expenditures since 2020 for its lithium and vanadium expansion projects
- Denefit of a longdated, unsecured, low-cost, covenant free municipal bond, which only requires \$15 million per year of interest to maintain through 2049
- **Capex guidance of** \$75-100m in 2025
- ── Target max net debt/adj. EBITDA of <2.5x</p>

FOCUS ON SUBSTITUTION OF IMPORTS AND RECYCLING



RESILIENT PERFORMANCE DESPITE REDUCED PRICES



Diversified portfolio offers support – tailwind from Antimony since H2 2024

HEALTHY MANAGEMENT MIX

MANAGEMENT BOARD

Heinz Schimmelbusch (CEO)

Jackson Dunckel (CFO)

Mike Connor (CCDO)

EXECUTIVE VICE PRESIDENTS

Michele Fischer

(Human Resources)

Ludo Mees

(Legal, Compliance & Governance)

Juri Abbatantuono

(Strategic projects & Engineering)

DIVISIONAL LEADERSHIP

Stefan Scherer (AMG Lithium)

Fabiano Costa

(AMG Lithium) (AMG Vanadium)

Tom Centa

Michael Hohmann

(AMG Technologies)

2. BUSINESSES



AMG Titanium plant, Nürnberg, Germany

AMG BUSINESS SEGMENTS

AMG VANADIUM

Market leader in recycling vanadium from oil refining residues

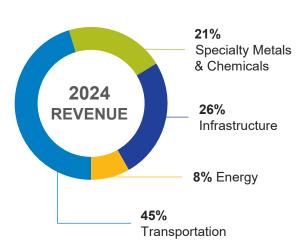
- Vanadium
- Titanium
- Chrome
- Shell & AMG Recycling B.V.

2024 REVENUE 36% Transportation 20% Specialty Metals & Chemicals 22% Infrastructure

AMG TECHNOLOGIES

Established world market leader in advanced metallurgy & engineering

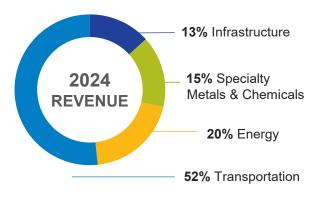
- Vacuum furnaces
- Heat treatment services
- LIVA batteries
- Silicon Metal
- Graphite
- Antimony



AMG LITHIUM

Value chain spanning the lithium industry, from mining to solid-state lithium batteries

- Brazil (Tantalum & Lithium)
- Lithium GmbH in Germany
- Savannah
- Zinnwald



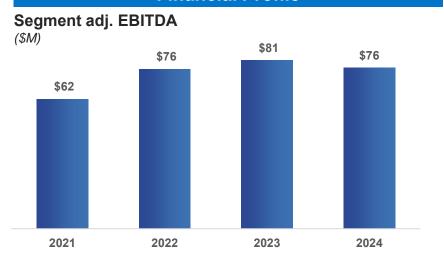


AMG VANADIUM – CREATING #1 VANADIUM CIRCULAR COMPANY

Overview and Recent Developments

- Spans the company's vanadium, titanium and chrome businesses.
 All three materials are deemed critical in the USA, vanadium and titanium in the EU as well.
- World's market leader in recycling vanadium from oil refining residues and it is a low-cost producer.
- Manages the sole ferrovanadium production operation in the United States
- Expanding into the Middle East via its Shell & AMG Recycling JV. Groundbreaking for its Supercenter project partnering with Aramco in Sudi Arabia planned for this year.
- Investing to become the only chrome metal producer in the USA from early 2026.

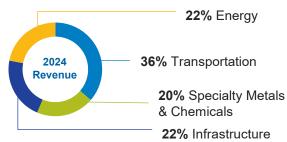
Financial Profile



Demand Characteristics and End Markets

- Demand driven by:
 - · Global expansion in vanadium recycling from refinery residues
 - Global steel infrastructure demand
 - Increased demand from vanadium redox flow batteries
 - Increased demand for high value titanium and chrome alloys

End Market Breakdown



Assets



AMG Vanadium - Zanesville, OH



AMG Titanium - Nürnberg, Germany



AMG Vanadium - Cambridge, OH

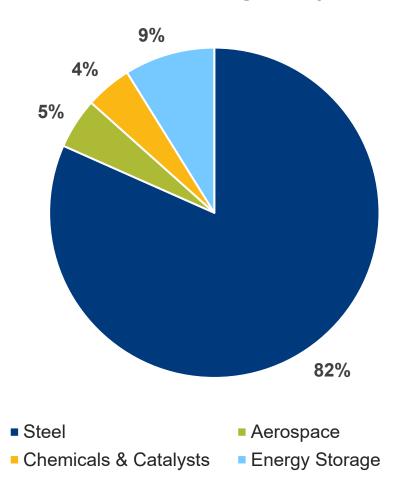


AMG Chrome - United Kingdom



END USE MARKETS FOR VANADIUM

Vanadium End Uses 2024



Steel

- In 2024 it is estimated that 82% of vanadium was consumed in steel
- Vanadium has a high strength to weight ratio which increases strength and toughness of steel
- Vanadium containing steel is used in tool steels, construction steel (rebar, beams, HSLA, etc.), and automotive steels and components

Energy Storage

- Vanadium readily forms several stable oxidation states, where
 it can be indefinitely reused as both the anode and cathode in
 vanadium flow batteries (called Vanadium Electrolyte, or VEL)
- These batteries are forecast to play a key role in the grid storage sector which is necessary for the transition to renewable energy sources

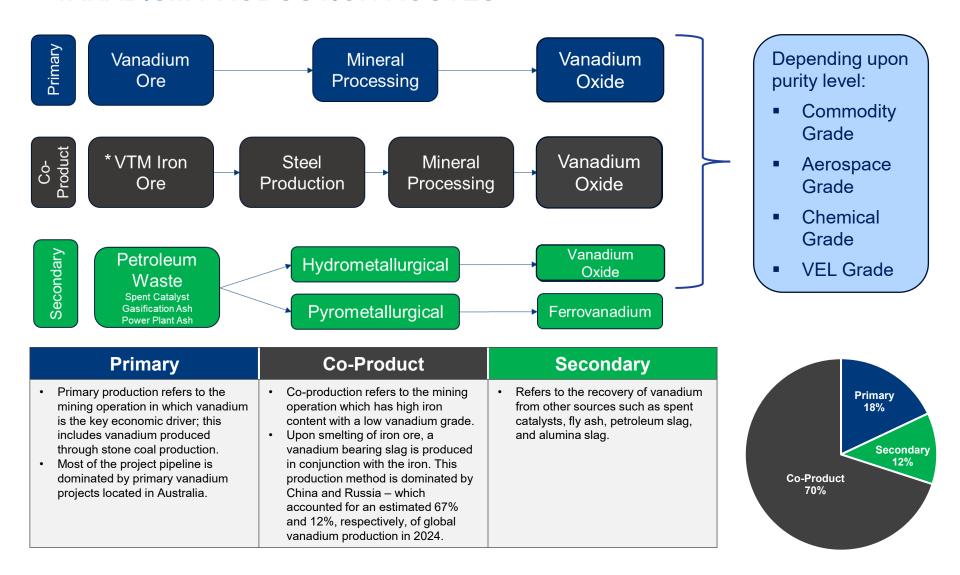
Aerospace

 Titanium master alloys (V-AI) are used in jet engine components, airframes, and landing gear components as these alloys have a high strength to weight ratio and can withstand sustained high temperatures

Chemical

 Vanadium based compounds are used throughout the chemical industry, particularly in the production of sulfuric acid, maleic anhydride, rubber synthesis, pigments and ceramics

VANADIUM PRODUCTION ROUTES



AMG VANADIUM'S CONTRACT STRUCTURE UNDERPINS ITS GLOBAL LOW-COST POSITION



- Because of the income the refineries receive from the sale of finished products, utilizing AMG is the cheapest and most environmentally-sound way to dispose of their hazardous spent catalyst waste
- The tipping fee AMG Vanadium receives makes its operation significantly lower cost than primary mining
- AMG Vanadium at Cambridge and Zanesville are profitable at all ferrovanadium prices

AMG Vanadium business model ensures long-term profitability

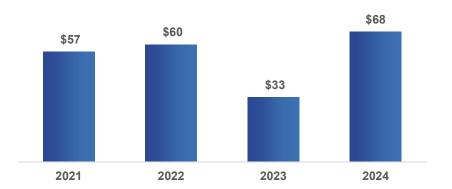
AMG TECHNOLOGIES – THE TECHNOLOGICAL BACKBONE

Overview and Recent Developments

- Spans mineral processing operations in graphite, antimony and silicon metal
- Global leader in advanced metallurgy engineering and equipment; provides critical technologies, equipment and services to the aerospace engine sector, the nuclear and critical materials/rare earths industry
- Houses engineering for fast-growing LIVA redox flow batteries and its nuclear fuel recycling service development company NewMOX

Financial Profile

Segment adj. EBITDA (\$M)

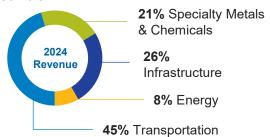


Demand Characteristics and End Markets

Demand driven primarily by:

- · Increased demand for aerospace engines in civil and military sectors
- Increased onshoring of advanced alloy manufacturing
- Demand for internal and external Project Engineering and Procurement

End Market Breakdown



Assets



AMG Engineering Hanau, Germany



AMG Antimony Chauny, France



AMG Graphite
Hauzenberg, Germany



AMG Silicon Pocking, Germany



AMG LIVA Frankfurt, Germany



AMG ENGINEERING – A CRITICAL MATERIALS TECHNOLOGY LEADER







Smart Coater



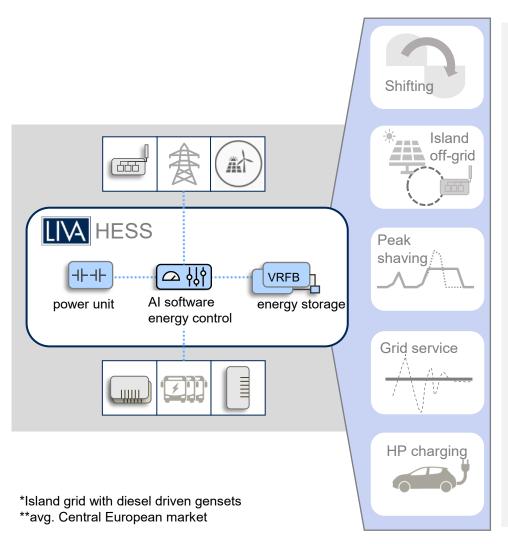
VID

VIDP





THE LIVA BATTERY IS A KEY PIECE OF TECHNOLOGIES' GROWTH



Energy applications

- Prosumer: Optimized self consumption and self-sufficiency with solar & wind
- Efficient off-grid & island solutions
- Reducing CO₂ emission up to 80% vs. Diesel gensets. Reduce electricity costs up to 55%*

Power applications

- Reduce power peaks (peak shaving) and power grid cost up to 80%**
- Grid stabilization & power quality improvement: frequency containment reserve, grid peak load management
- Emergency/uninterrupted power supply with black starting capabilities

New applications

- Electric vehicle infrastructure: Integrate renewable energies & high-power charging
- Opportunity charging & discharging: Arbitrage spot market of electricity

AMG LITHIUM – CREATING A TRANSATLANTIC LITHIUM COMPANY

Overview

- Spans the lithium value chain, from lithium mining in Brazil to refining to battery grade lithium hydroxide in Germany
- Strategic holdings in junior lithium miners in Portugal (Savannah Plc., 16%) and Germany (Zinnwald Plc., 29%) to secure input for existing and planned downstream plants
- Strategic partnership with Grupo Lagoa in Portugal to build a sizable lithium concentrate pilot plant (8.000-9.000 tons) at Lagoa's existing feldspar mine by 2027. Right to develop a commercial size spodumene plant at a later stage
- Advanced plans for lithium carbonate plants in Brazil and Europe

Financial Profile

Segment Adj. EBITDA (\$M)

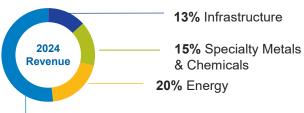


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2021	2022	2023	2024
\$573	\$2,805	\$3,160	\$854

Demand Characteristics and End Markets

- · Demand correlated to growth in demand for:
 - · Electric vehicles (lithium)
 - · Grid stabilization batteries (lithium)
 - · Semi-conductor capacitors (tantalum)
- Provides solutions for a broad variety of end markets, including infrastructure, specialty metals & chemicals, energy and transportation

End Market Breakdown



52% Transportation

AMG Germany

Assets

AMG Brazil



AMG Critical Materials

- · Spodumene Concentrate
- Tantalum Concentrate
- Feldspar

AMG Germany

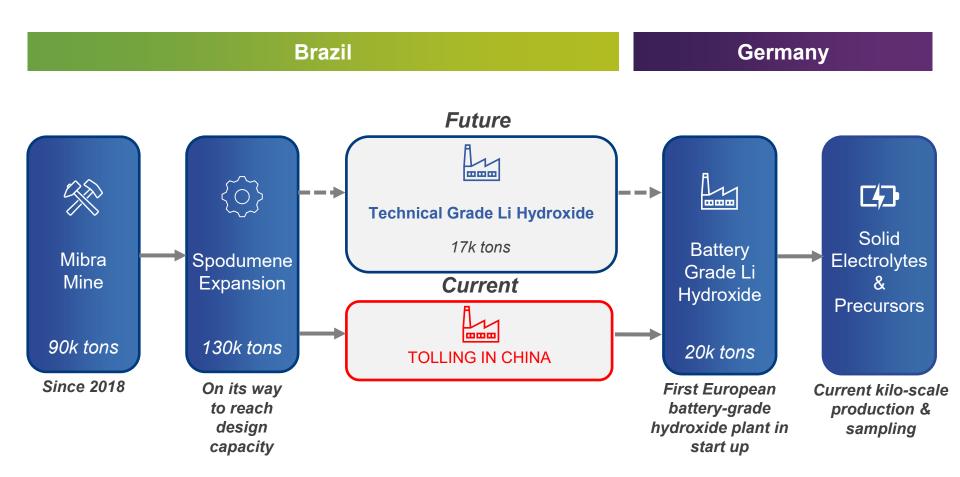
- Lithium Hydroxide
- Lithium Sulfide
- Development Products

AMG Specialty Materials

- Tantalum and Niobium Oxides
- Specialty Aluminum Alloys

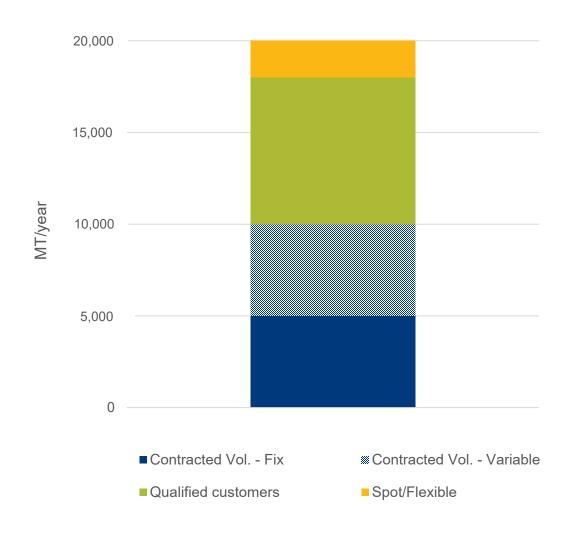


LITHIUM VALUE CHAIN



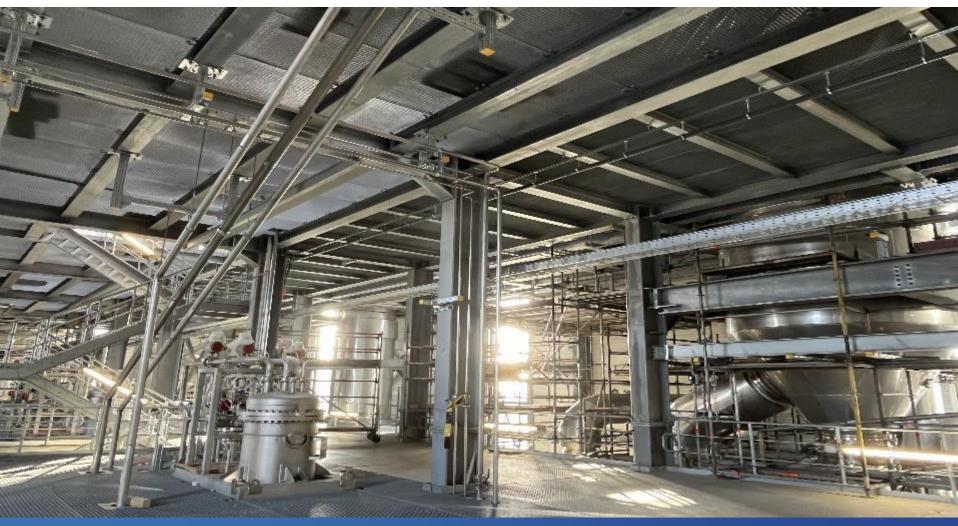
From mining through to next generation lithium products

LITHIUM HYDROXIDE COMMERCIAL PLAN



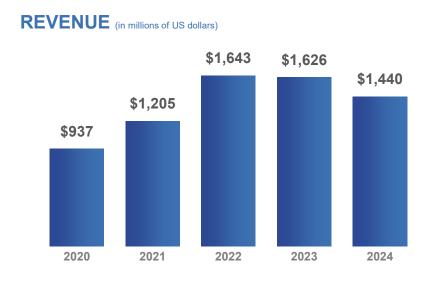
- Volume under longterm contract to deliver a binding 5,000 MT/yr plus an optional 5,000 MT/yr to EcoPro BM Hungary
- Up to 2,000 MT/year reserved to spot customers to allow for operating flexibility and testing markets

3. FINANCIALS AND OUTLOOK



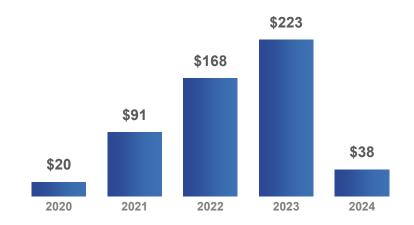
AMG Lithium GmbH: Lithium Hydroxide Battery-Grade Refinery – Bitterfeld, Germany

FINANCIAL SUMMARY: 2020 - 2024

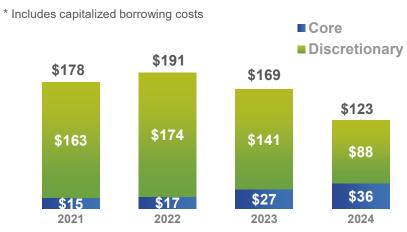




OPERATING CASH FLOW (in millions of US dollars)



CAPITAL EXPENDITURES (in millions of US dollars)



Core: Maintenance & Environmental, Growth: Vanadium, SP1+, and Lithium Module 1



GROWTH STRATEGY SNAPSHOT



Chrome Expansion: AMG approved a capital investment of USD \$15 million in April to establish an aluminothermic production facility to manufacture chrome metal in the United States. Chrome metal is deemed a Critical Material in the US due to lack of US production and its importance in various industrial alloys, particularly those within the aerospace sector.



Strategic Developments:

- SARBV's "Supercenter" phase 1 project in Saudi Arabia is in detailed engineering which is
 progressing according to plan. All critical equipment has been ordered, and awarding of
 the secondary items are underway. EPC bids from pre-qualified vendors have been
 received and are currently being evaluated prior to award.
- After successfully commissioning the lithium hydroxide refinery in Bitterfeld in May and having produced material in specification, we are ramping up the plant and advancing in the qualification process with customers.



Robust Financial Position: Continuing to maintain a strong balance sheet during the second quarter of 2025, AMG's total liquidity is \$462 million, supporting its growth initiatives and operational needs.

QUARTERLY FINANCIAL HIGHLIGHTS

REVENUE (IN MILLIONS OF US DOLLARS)



ADJUSTED EBITDA (IN MILLIONS OF US DOLLARS)



NET (LOSS) INCOME ATTRIBUTABLE TO SHAREHOLDERS (IN MILLIONS OF US DOLLARS)



- Revenue of \$439 million in Q2 '25 increased 20% compared to the Q2 '24 revenue of \$364 million
- Q2 '25 adjusted EBITDA of \$71 million was a 79% increase over Q2 '24 adjusted EBITDA of \$39 million, largely due to a very strong performance by the Technologies segment
- Net income attributable to shareholders for Q2 '25 was \$12 million, compared to an \$11 million net loss in Q2 '24; this strong recovery in profitability was driven by the strong performance of the AMG Technologies segment

QUARTERLY REVENUE DRIVERS

LITHIUM

SEGMENT RESULTS				KEY DRIVERS		
	Q2 2025	<u>Q2 2024</u>		Price	Volume	
Revenue	\$37.0	\$38.3	Spodumene			
Adjusted Gross Profit	\$3.8	\$3.7	Tantalum	^	\	

VANADIUM

SEGMENT RESULTS			KEY DRIVERS		
	Q2 2025	Q2 2024		Price	Volume
Revenue	Vanadium	Vanadium			
	\$161.0	\$168.0	Titanium Alloys	()	~
Adjusted Gross Profit	\$22.4	\$24.8	Chrome		()

TECHNOLOGIES

SEGMENT RESULTS			KEY DRIVERS		
				Price	Volume
	Q2 2025	<u>Q2 2024</u>	Graphite	<>	
Revenue	\$241.0	\$158.0	Silicon	<>	~
Adjusted Gross Profit	\$71.1	\$32.2	Antimony	^	~
			Engineering Book	to Bill	*

AMG

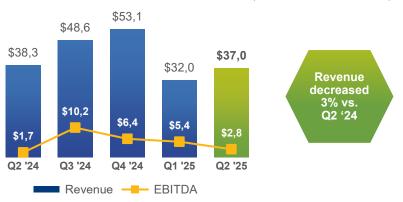
FINANCIAL PERFORMANCE, LEVERAGE & VALUATION DASHBOARD

METRIC	Q2 2025	FY 2024
Return on Assets	0.8%	-1.3%
Return on Equity	2.9%	-4.7%
Return on Capital Employed	14.9%	9.1%
EV / Adjusted EBITDA	5.9x	5.6x
Total Net Debt / Adjusted EBITDA	2.2x	2.8x
Liquidity (USD millions)	\$462	\$494

- AMG has invested
 \$650 million in capital
 expenditures since 2020
 for its lithium and
 vanadium expansion
 projects
- AMG is at the end of its heavy capital expansion phase
- We will continue to invest and support growth while maintaining the strength of our balance sheet

AMG LITHIUM FINANCIAL HIGHLIGHTS

REVENUE & ADJUSTED EBITDA (IN MILLIONS OF US DOLLARS)



ADJUSTED GROSS PROFIT (IN MILLIONS OF US DOLLARS)



CAPITAL EXPENDITURES (IN MILLIONS OF US DOLLARS)



- Revenue decreased 3% compared to Q2 2024, mainly due to the 38% decline in lithium market prices as well as a 22% decrease in lithium concentrate volumes versus the prior period, partially offset by increased tantalum sales prices
- SG&A expenses of \$12 million in Q2 2025 were 11% higher than in Q2 2024, mainly driven by the increase in personnel costs related to the commissioning and ramp-up of the lithium hydroxide refinery
- In Q2 2025, AMG sold 13,278 dry metric tons ("dmt") of lithium concentrates, 22% lower than in Q2 2024 due mainly to technical issues; the average realized sales price was \$621/dmt CIF China and the average cost per ton was \$489/dmt CIF China, lower than the \$542/dmt in Q2 2024 which drove the slightly improved results versus the prior quarter

AMG VANADIUM FINANCIAL HIGHLIGHTS

REVENUE & ADJUSTED EBITDA (IN MILLIONS OF US DOLLARS)



\$36.7

ADJUSTED GROSS PROFIT (IN MILLIONS OF US DOLLARS)



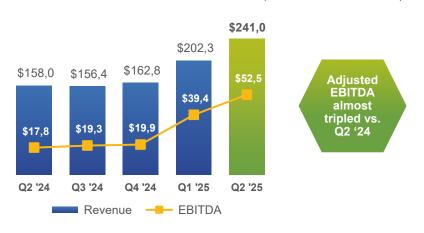
CAPITAL EXPENDITURES (IN MILLIONS OF US DOLLARS)



- Revenue decreased by 4% in Q2 2025, due primarily to lower volumes of ferrovanadium and titanium alloys, partially offset by increased sales prices in ferrovanadium and chrome metal
- Adjusted gross profit of \$22 million in Q2 2025 was 10% lower than Q2 2024, largely due to the lower revenue in the current quarter; despite the decline, the Company continues to benefit from Section 45X
- SG&A expenses of \$20 million in Q2 2025 were 48% higher than in Q2 2024, largely driven by a non-recurring executive retirement benefit expense, higher professional fees, and additional personnel in the current period relating to the chrome expansion project
- Q2 2025 adjusted EBITDA was 23% lower than Q2 2024, primarily due to the lower sales volumes in the current period; while adjusted EBITDA decreased, AMG Vanadium continues to benefit from Section 45X

AMG TECHNOLOGIES FINANCIAL HIGHLIGHTS

REVENUE & ADJUSTED EBITDA (IN MILLIONS OF US DOLLARS)



ORDER INTAKE (IN MILLIONS OF US DOLLARS)



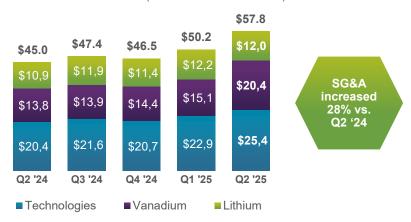
ADJUSTED GROSS PROFIT (IN MILLIONS OF US DOLLARS)



- Q2 2025 revenue increased by \$83 million, or 53%, vs. Q2 2024, driven largely by higher antimony sales prices in the current quarter
- SG&A expenses in Q2 2025 of \$25 million were 24% higher than Q2 2024, due to additional personnel at AMG LIVA and AMG Engineering corresponding to those units' increased business development, as well as higher personnel costs related to AMG Antimony's increased sales activity
- Adjusted EBITDA of \$53 million in Q2 2025 was \$35 million higher than in Q2 2024, with the increase primarily due to higher profitability in AMG Antimony
- The Company signed \$51 million in new orders during Q2 2025, representing a 0.63x book to bill ratio; order backlog was \$391 million as of June 30, 2025

KEY CORPORATE INCOME STATEMENT ITEMS

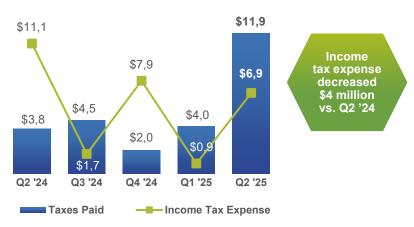
SG&A EXPENSES (IN MILLIONS OF US DOLLARS)



NET FINANCE COST (IN MILLIONS OF US DOLLARS)



TAXES (IN MILLIONS OF US DOLLARS)



- SG&A expenses in Q2 2025 were 28% higher than in Q2 2024, with the
 variance primarily driven by the increase in headcount in our Lithium,
 Chrome, Engineering, and LIVA businesses associated with our
 strategic expansion projects, higher personnel costs at AMG Antimony
 related to that unit's increased sales activity, and a non-recurring
 executive retirement benefit expense
- AMG's net finance cost in Q2 2025 was \$13 million vs. \$8 million in Q2 2024, due to net non-cash intercompany foreign exchange revaluation losses from a weaker EUR/USD and a decrease in interest income
- AMG recorded an income tax expense of \$7 million in Q2 2025 compared to \$11 million in Q2 2024; AMG paid taxes of \$12 million in Q2 2025 compared to \$4 million in Q2 2024, due to higher profitability in AMG's Antimony operations

CASH FLOW AND WORKING CAPITAL

CASH (USED IN) FROM OPERATING ACTIVITIES

(IN MILLIONS OF US DOLLARS)

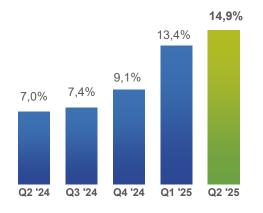


NET DEBT (IN MILLIONS OF US DOLLARS)



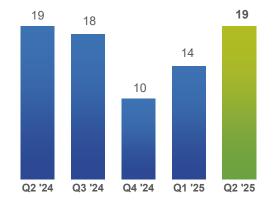


ANNUALIZED ROCE





WORKING CAPITAL DAYS





OUTLOOK

CAPITAL EXPENDITURES

- AMG is targeting \$75 to \$100 million of capital expenditures in 2025.
- AMG is at the end of a period of significant capital intensity that positions us for strong profitability as market prices improve.

ADJUSTED EBITDA

- We expect our adjusted EBITDA to exceed \$200 million in 2025. We estimate the temporary tailwind from selling lowpriced antimony inventories at more than \$50 million in 2025.
- Regarding AMG's 5-year guidance, at normalized market prices we guide to an EBITDA of \$500 million or more in five years or earlier.
- The fundamental positions of our businesses are sound, and AMG remains focused on disciplined, sustainable growth