ENABLING THE CIRCULAR ECONOMY

INVESTOR PRESENTATION | COMPANY DESCRIPTION 2021



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AMG IS A CRITICAL MATERIALS COMPANY

DEMAND

Innovative new products that are lighter, stronger, and resistant to higher temperatures

SUPPLY

AMG sources, processes, and supplies the critical minerals that the market demands

GLOBAL TRENDS

CO₂ emission reduction, circular economy, population growth, increasing affluence, and energy efficiency LEADER IN ADVANCED TECHNOLOGIES TO ADDRESS CO₂ REDUCTION

CO₂ REDUCTION

A GLOBAL IMPERATIVE FOR THE 21ST CENTURY

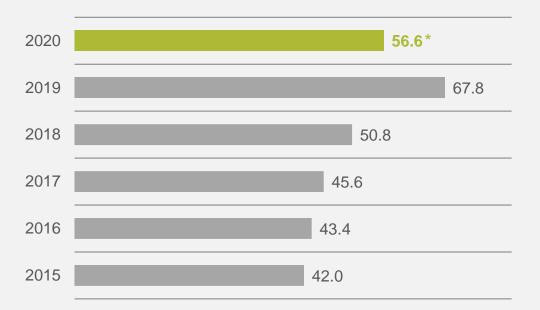
AMG: ENABLING TECHNOLOGIES

Products and processes saving CO₂ emissions during use (e.g., light-weighting and fuel efficiency in the aerospace and automotive industries)

AMG: MITIGATING TECHNOLOGIES

Products and processes saving raw minerals, energy and CO_2 emissions during manufacturing (e.g., recycling of Ferrovanadium)

AMG'S ENABLED CO₂ EMISSION REDUCTIONS (Million MT)





* 2020 decrease due to the global pandemic significantly impacting volumes in our aerospace exposed businesses.



AMG AT A GLANCE

FY 2020 REVENUE





AMG BUSINESS SEGMENTS

AMG CLEAN ENERGY MATERIALS	AMG CRITICAL MINERALS
 AMG's mining and recycling business Vanadium Mineração (Tantalum & Lithium) Aluminum (Master Alloys) 	 AMG's conversion and mining business Silicon Metal Graphite Antimony
32% Transportation 2020 24% Energy 32% Infrastructure	35% Specialty Metals & Chemicals 2020 REVENUE 10% Energy 28% Transportation



AMG BUSINESS SEGMENTS

AMG CRITICAL MATERIALS TECHNOLOGIES	AMG ECO ₂ RP*
 AMG's titanium alloys, vacuum systems and services business Titanium Alloys Furnaces Heat treatment services Chrome Metal (Superalloys) 	 AMG's virtual business Ferrovanadium Vanadium Aluminum Graphite Heat Insulation Turbine Coating Furnaces Casting and Sintering Furnaces Titanium Master Alloys Aluminum Master Alloys
48% Transportation 2020 REVENUE 10% Infrastructure 18% Energy	50% Transportation 2020 REVENUE 25% Infrastructure 18% Energy

* AMG has created and continues to grow a portfolio, entitled Enabling CO_2 Reduction Portfolio (ECO₂RP), to measure the energy savings enabled by our products and evaluate the impact on AMG's financial performance. Products are accepted in ECO₂RP only when the enabled CO₂ reduction effect has been established by a life-cycle assessment performed by a leading third-party expert.

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STRONG FUNDAMENTALS, ADAPTIVE TO GLOBAL DISRUPTION

Optimized Capital Structure	 Robust liquidity: AMG issued 3.1 million new shares in April 2021, generating \$119 million of net proceeds and increasing current liquidity to approximately \$500 million Covenant-lite Term Loan B matures in 2025 \$307M 30-year 4.3% Municipal Bond finances 100% of the ferrovanadium expansion in Zanesville, OH
Business Resilience	 Focus on operational efficiency Reduction of operating costs and capital expenditures Momentum on positive business gains, strong backlogs into early 2021
Disciplined Approach to Growth	 Shell & AMG Recycling B.V. joint venture operational Ohio ferrovanadium expansion underway Lithium hydroxide refining plant in Germany

The fundamental positions of our businesses are sound, and AMG remains focused on disciplined, sustainable growth

AMG's strategy is to build its critical minerals business through industry consolidation, process innovation and product development

PROCESS INNOVATION & PRODUCT DEVELOPMENT

Continue to focus on process innovation and product development to improve the market position of AMG's businesses

INDUSTRY CONSOLIDATION

Pursue opportunities for horizontal and vertical industry consolidation across AMG's critical minerals portfolio

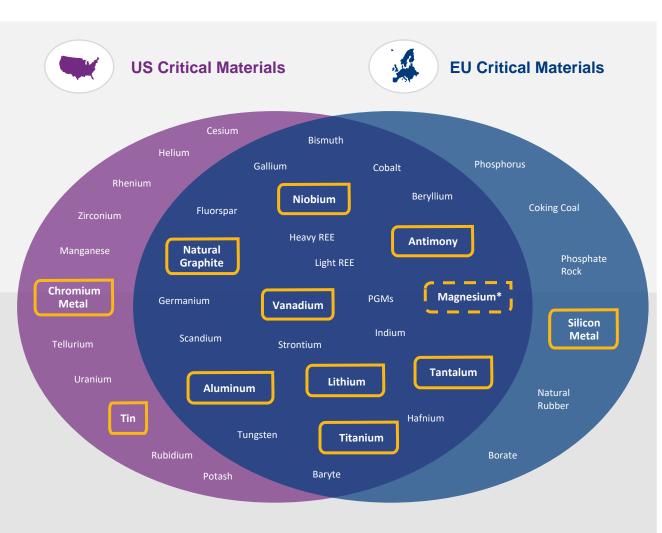
EXPANSION OF EXISTING HIGH-GROWTH BUSINESSES

Pursue opportunities in high-growth areas within the existing product portfolio

AMG's overriding strategic objective is to achieve industry leadership while being the low-cost producer



CRITICAL RAW MATERIALS: AMG PRESENCE

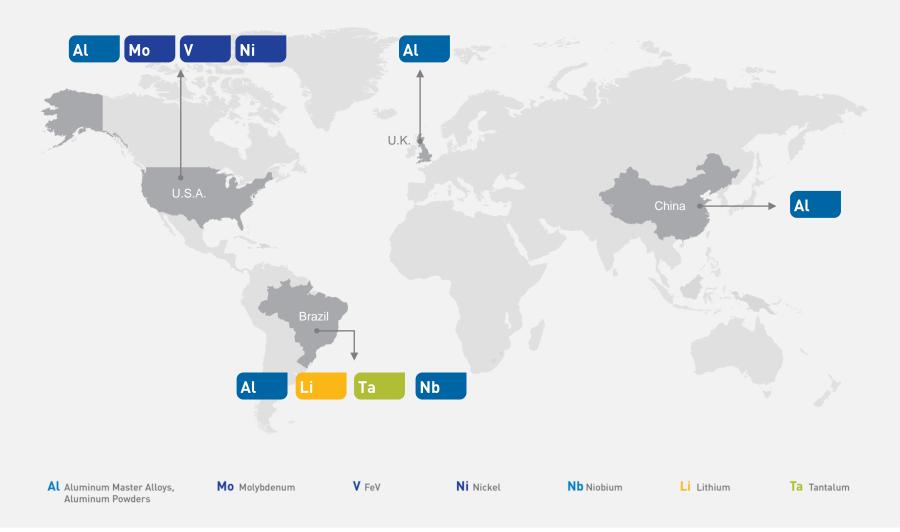


- AMG has a unique critical materials portfolio comprising of 9 EU critical materials and 10 US critical materials
- The EU identifies
 30 total critical raw materials, the US 35

*AMG possesses technology license patent for production of Magnesium products Sources: The 2020 EU Critical Raw Materials List, published September 2020; and the U.S. list of Critical Materials per the May 2018 announcement by the U.S. Department of the Interior.

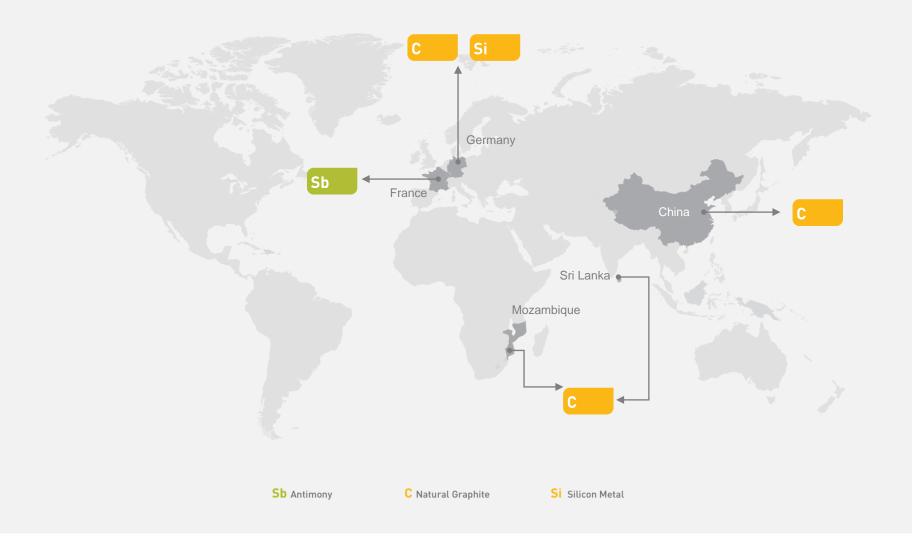


AMG GLOBAL FOOTPRINT: CLEAN ENERGY MATERIALS



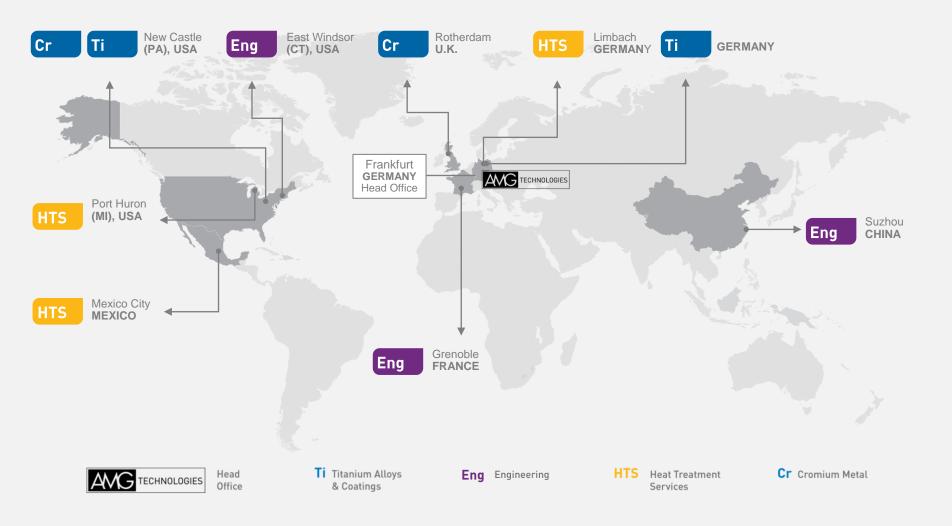


AMG GLOBAL FOOTPRINT: CRITICAL MINERALS





AMG GLOBAL FOOTPRINT: CRITICAL MATERIALS TECHNOLOGIES



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HEALTH AND SAFETY FOCUS



Safety Indicators

AMG compares itself to the industry average for Primary Metal Manufacturing (NAICS 331).

The most recent data provided in 2019 by the United States Bureau of Labor Statistics reports that the Primary Metal Manufacturing industry's total recordable case rate was **4.40** and the lost time rate was **2.70**.



Internal safety performance in both lost time incidence rate and recordable incidence rate has improved year-over-year.



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CLEAN ENERGY MATERIALS – MARKET TRENDS

CRITICAL MINERALS	MAJOR END MARKETS	MARKET TRENDS	MAJOR CUSTOMERS
AMG VANADIUM FERROVANADIUM FERRONICKEL-MOLYBDENUM	INFRASTRUCTURE	INFRASTRUCTURE GROWTH VANADIUM REDOX FLOW BATTERIES	
AMG BRAZIL TANTALUM & NIOBIUM	MICRO CAPACITORS, SUPERALLOYS	COMMUNICATIONS & ELECTRONICS FUEL EFFICIENCY	* ATI H.C.Starck
AMG LITHIUM LITHIUM CONCENTRATE (SPODUMENE)	BATTERIES	RENEWABLE ENERGY COMMUNICATIONS & ELECTRONICS	CONFIDENTIAL
AMG ALUMINUM ALUMINUM MASTER ALLOYS ALUMINUM POWDERS	AEROSPACE, AUTOMOTIVE	FUEL EFFICIENCY	Constellium
ENERGY	দিন্টু TRANSPORTATION		SPEC. METALS AND CHEM.



CRITICAL MINERALS – MARKET TRENDS

CRITICAL MINERALS	MAJOR END MARKETS	MARKET TRENDS	MAJOR CUSTOMERS
AMG GRAPHITE NATURAL GRAPHITE	EXPANDED POLYSTYRENE (EPS),BATTERY ANODES	ENERGY SAVING ENERGY STORAGE	sunpor Höganäs 🖽
AMG ANTIMONY ANTIMONY TRIOXIDE ANTIMONY MASTERBATCHES ANTIMONY PASTES	FLAME RETARDANTS	PLASTICS	
AMG SILICON SILICON METAL	ALUMINUM ALLOYS, SOLAR	FUEL EFFICIENCY CLEAN ENERGY	AMAG AUSTRIA METALL
- 👸 ENERGY	ریکی TRANSPORTATION		SPEC. METALS AND CHEM.



CRITICAL MATERIALS TECHNOLOGIES – MARKET TRENDS

CRITICAL MINERALS	MAJOR END MARKETS	MARKET TRENDS	MAJOR CUSTOMERS
AMG TITANIUM ALLOYS TITANIUM MASTER ALLOYS & COATINGS	AEROSPACE	FUEL EFFICIENCY ENERGY SAVING	Safran Sinecma
AMG ENGINEERING CAPITAL GOODS (VACUUM FURNACES)	AEROSPACE, AUTOMOTIVE	FUEL EFFICIENCY ELECTRONICS	Rolls-Royce CARPENTER ThyssenKrupp
AMG ENGINEERING VACUUM HEAT TREATMENT SERVICES	AEROSPACE, AUTOMOTIVE	FUEL EFFICIENCY	GM Image: Constraint of the second secon
AMG CHROME CHROMIUM METAL	AEROSPACE, DISTRIBUTED ENERGY, FUEL CELLS	FUEL EFFICIENCY	PCC *ATI Bloomenergy
- Č	C→→ TRANSPORTATION		SPEC. METALS AND CHEM.



FINANCIAL HIGHLIGHTS

FY 2020 AT A GLANCE

AMOUNTS IN \$M (EXCEPT EARNINGS PER SHARE)	FY 2020	FY 2019	% CHANGE
Revenue	\$937.1	\$1,188.6	(21%)
Gross Profit	\$112.7	\$118.3	(5%)
Gross Margin %	12.0%	10.0%	20%
Loss before Income Taxes	(\$31.3)	(\$53.7)	42%
EBITDA	\$66.8	\$121.4	(45%)
EBITDA Margin %	7.1%	10.2%	(30%)
Net Debt	\$287.9	\$162.9	77%
Return On Capital Employed (ROCE)	3.5%	13.7%	(74%)
Net Loss Attributable to Shareholders	(\$41.7)	(\$48.3)	14%
Diluted Loss per Share	(1.47)	(1.64)	10%

- AMG's results have trended positively since Q2 2020
- AMG management believes that this positive trend will continue and expects to exceed \$120 million EBITDA in 2021

CONSOLIDATED BALANCE SHEET

AS OF IN MILLIONS OF US DOLLARS	DECEMBER 31, 2020	DECEMBER 31, 2019
Fixed assets	551.9	430.0
Goodwill and intangibles	43.2	41.9
Other non-current assets	96.0	96.5
Restricted cash	208.9	309.6
Inventories	152.3	204.2
Receivables	122.4	119.1
Other current assets	56.9	44.5
Cash	207.4	226.2
TOTAL ASSETS	1,439.0	1,472.0
TOTAL EQUITY	141.3	184.4
Long-term debt	673.3	669.5
Long-term lease liabilities	47.1	46.5
Employee benefits	197.2	175.9
Other long-term liabilities	37.7	41.2
Current debt	31.0	29.2
Current lease liabilities	4.8	4.2
Accounts payable and accruals	231.1	217.6
Advance payments	29.9	57.6
Other current liabilities	45.6	45.9
TOTAL LIABILITIES	1,297.7	1,287.6
TOTAL EQUITY AND LIABILITIES	1,439.0	1,472.0

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CONSOLIDATED INCOME STATEMENT

FOR THE YEAR ENDED IN MILLIONS OF US DOLLARS	DECEMBER 31, 2020	DECEMBER 31, 2019
Revenue	937.1	1,188.6
Cost of sales	824.5	1,070.3
Gross profit	112.6	118.3
Selling, general & administrative	117.8	143.5
Environmental expense	4.3	0.7
Other income, net	(0.2)	(0.2)
Operating loss	(9.3)	(25.8)
Net finance costs	21.1	27.9
Share of loss of associates	(0.9)	_
Loss before income taxes	(31.3)	(53.7)
Income tax expense (benefit)	11.2	(5.1)
Loss for the year	(42.5)	(48.6)
Shareholders of the Company	(41.7)	(48.3)
Non-controlling interest	(0.8)	(0.3)
ADJUSTED EBITDA	66.8	121.4



CONSOLIDATED STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED IN MILLIONS OF US DOLLARS	DECEMBER 31, 2020	DECEMBER 31, 2019
EBITDA	66.8	121.4
Change in working capital and deferred revenue	10.8	76.2
Other operating cash flow	(30.0)	(103.3)
Cash generated from operating activities	47.6	94.3
Finance costs paid, net	(19.4)	(23.1)
Income tax paid	(8.6)	(24.6)
Net cash flow from operating activities	19.6	46.6
Capital expenditures	(137.7)	(79.4)
Change in restricted cash (municipal bond)	100.7	(307.9)
Other investing activities	(0.9)	(22.6)
Net cash flow used in investing activities	(37.9)	(409.9)
Net cash flow (used in) from financing activities	(9.2)	208.7
Net decrease in cash and equivalents	(27.5)	(154.6)
Cash and equivalents at January 1	226.2	381.9
Effect of exchange rate fluctuations on cash held	8.7	(1.1)
CASH AND EQUIVALENTS AT DECEMBER 31	207.4	226.2



NET LOSS TO EBITDA RECONCILIATION

FOR THE YEAR ENDED IN MILLIONS OF US DOLLARS	DECEMBER 31, 2020	DECEMBER 31, 2019
Net loss for the year	(42,460)	(48,586)
Income tax expense (benefit)	11,184	(5,119)
Net finance cost *	23,524	27,626
Equity-settled share-based payment transactions **	3,792	5,514
Restructuring expense	5,700	3,265
Inventory cost adjustment	6,219	87,792
Asset impairment expense	664	4,519
Environmental provision	4,342	725
Exceptional legal expense	1,353	3,133
Strategic project expense	7,085	-
Share of loss of associates	947	-
Others	756	546
EBIT	23,106	79,415
Depreciation and amortization	43,661	41,967
EBITDA	66,767	121,382

*Excludes foreign exchange (gain) loss.

**Amount includes variable compensation expense which is expected to be share-settled in 2021.



VANADIUM, MOLYBDENUM AND NICKEL-ZANESVILLE, OHIO



LI PROCESSING, AMG BRAZIL





This announcement appears as a matter of record.



AMG's LAW:

"Everything that can be recycled will be recycled."

AMG ADVANCED METALLURGICAL GROUP N.V. amg-nv.com

