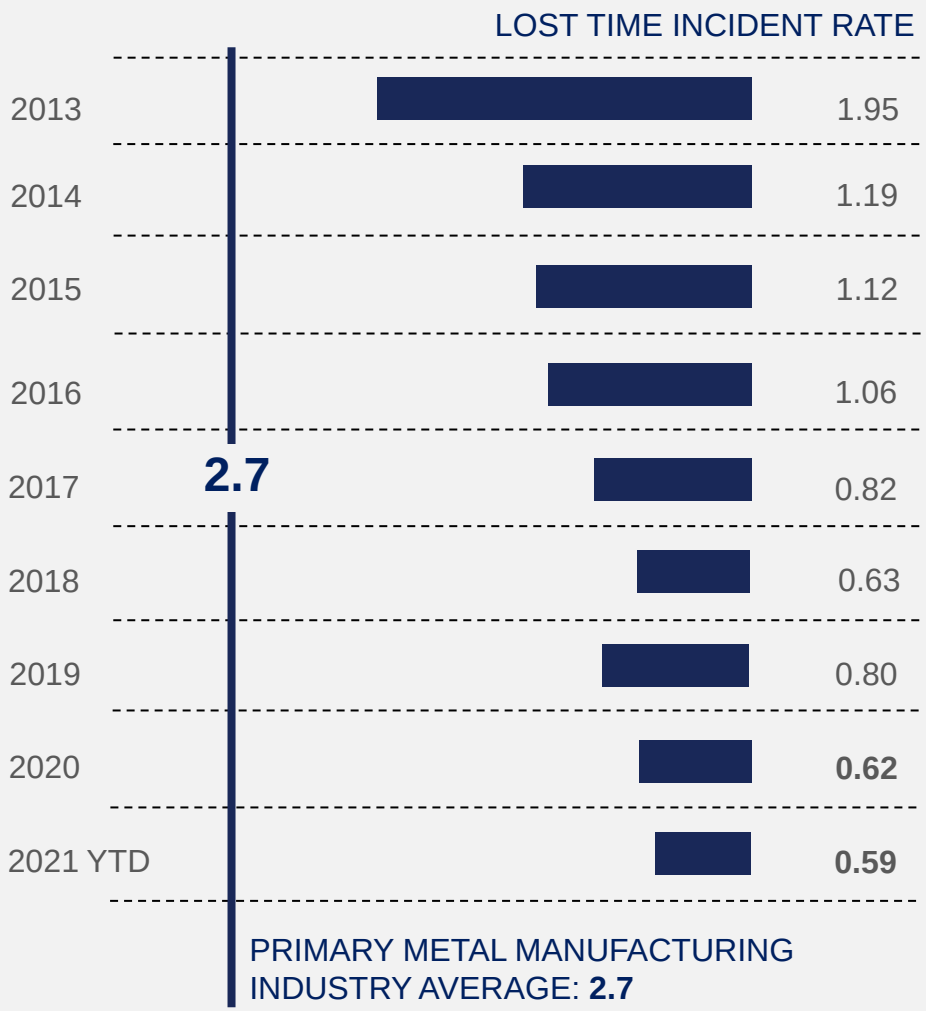
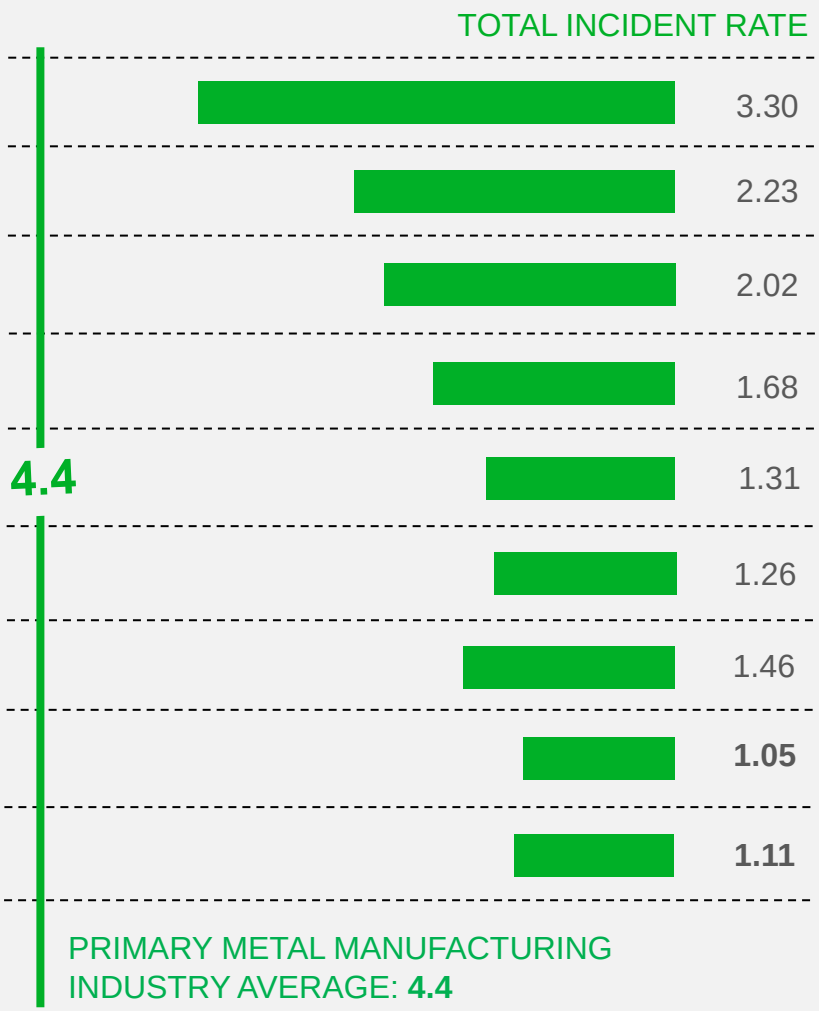
ENABLING THE CIRCULAR ECONOMY

VIENNA FAMILY OFFICE IMPACT DAY | JUNE 17, 2021

AMG ADVANCED METALLURGICAL GROUP N.V.

SAFETY PERFORMANCE





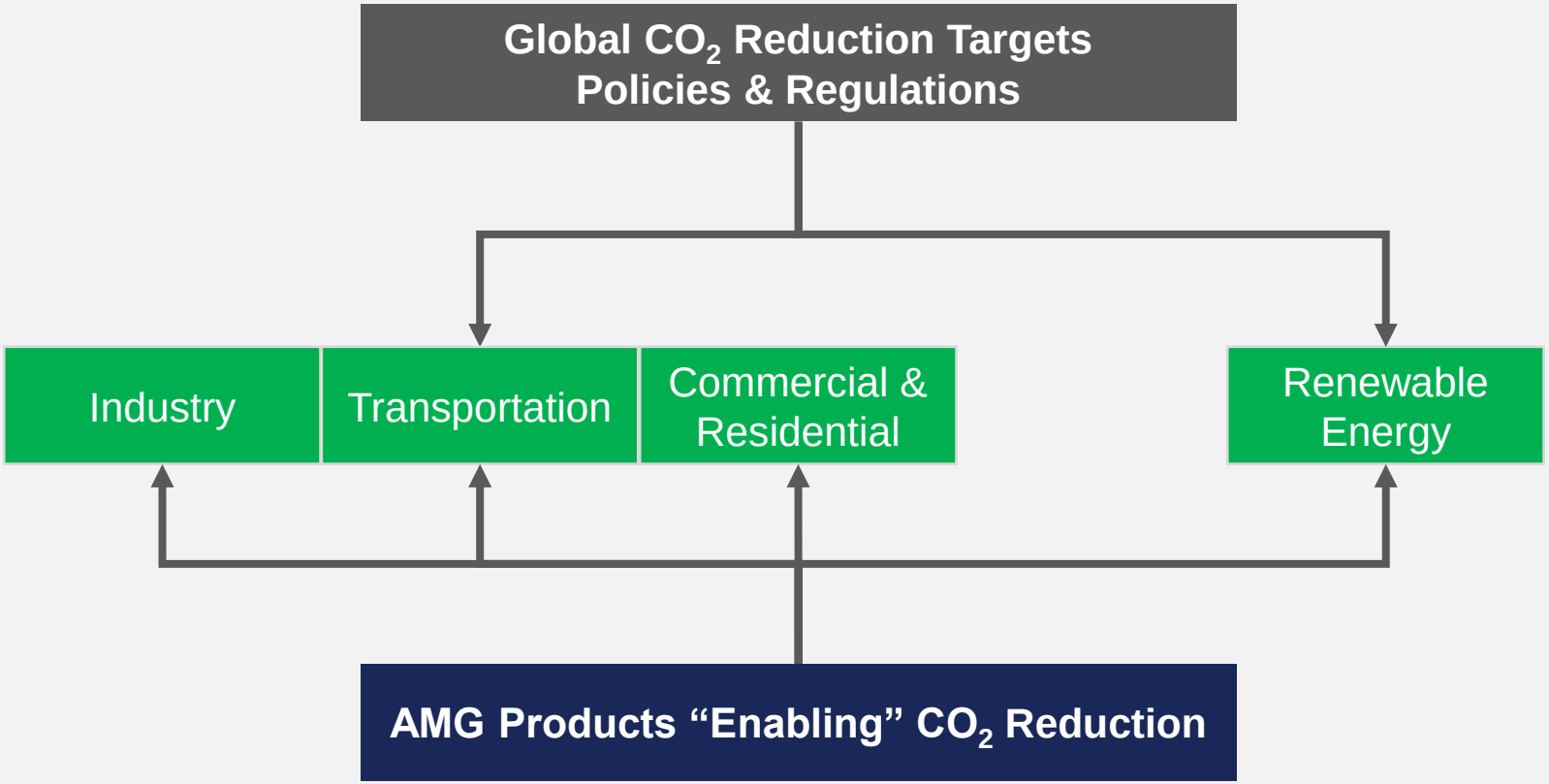
COVID-19

~ 3,100 EMPLOYEES

NO COVID FATALITIES

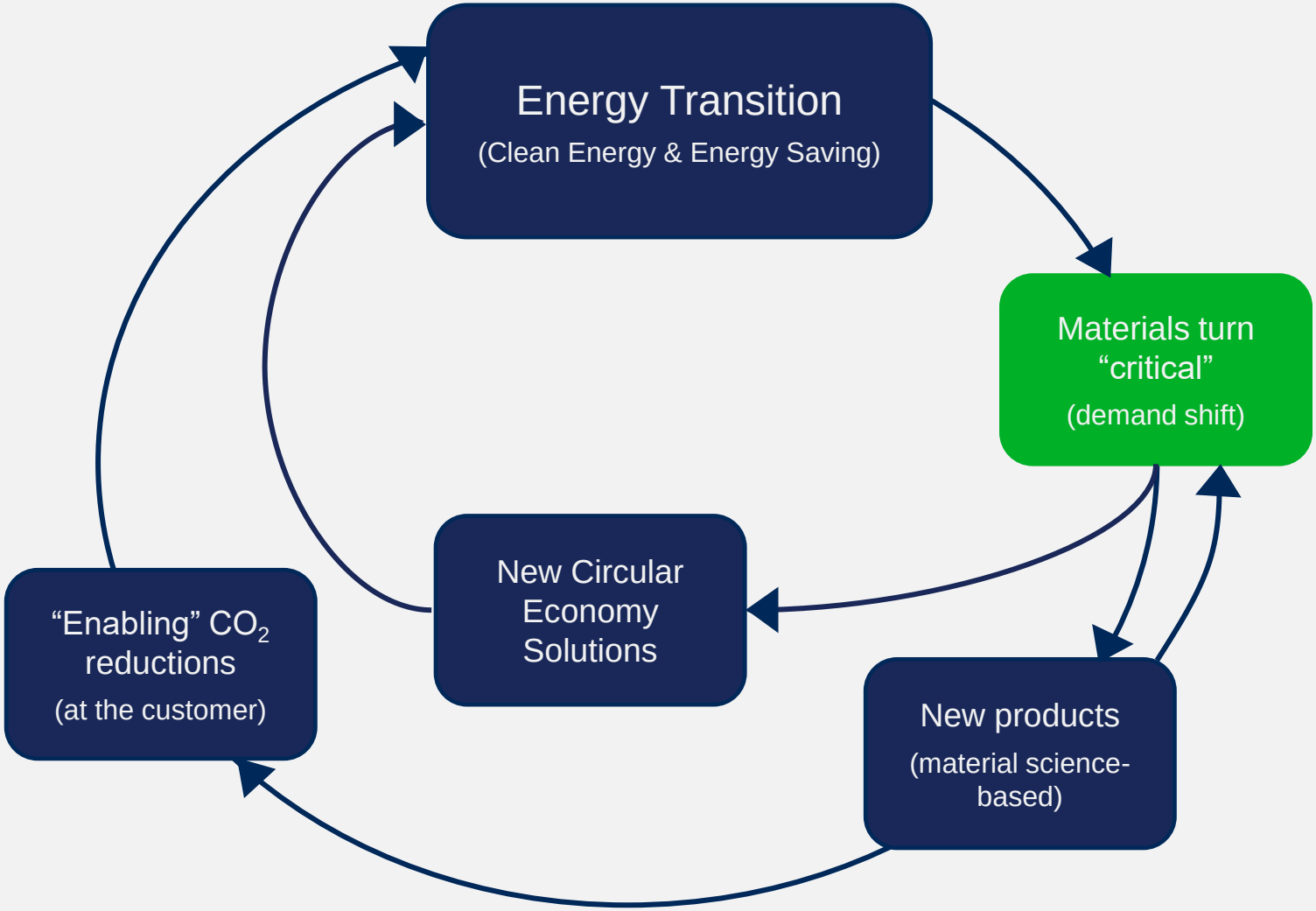
MAXIMUM OF 2 HOSPITALIZATIONS AT THE SAME TIME

GLOBAL CO_2 REDUCTION FRAMEWORK



Transforming Regulatory Pressure into Opportunities

AMG'S STRATEGIC DYNAMICS



CO_2 **REDUCTION** ENABLING ACTIVITIES ARE AT **THE CORE** OF THE NEWEST **EU TAXONOMY INITIATIVE**

Regulation (EU) 2020/852 of the European Parliament and of the Council on the establishment of **a framework to facilitate sustainable investment** and amending Regulation (EU) 2019/2088.

For each environmental objective, the Taxonomy Regulation (TR) recognizes two distinct types of substantial contribution that can be considered Taxonomy-aligned:

"Economic activities that make a substantial contribution based on their own performance"

<AND>

Article 16 - Enabling Activities

"An economic activity shall qualify as contributing substantially to one or more of the environmental objectives set out in Article 9 by directly **enabling** other activities to make a substantial contribution to one or more of those objectives, provided that such activity:

a) does not lead to a lock-in of assets that undermine long-term environmental goals, considering the economic lifetime of those assets; and

b) has a substantial positive environmental impact, on the basis of life-cycle considerations."

*See here for the Regulation (EU) 2020/852 in full: https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L_.2020.198.01.0013.01.ENG&toc=OJ:L:2020:198:TOC

AMG REPORTING SEGMENTS

CLEAN ENERGY MATERIALS	CRITICAL MINERALS	CRITICAL MATERIALS TECHNOLOGIES
BUSINESS UNITS		
Lithium (Li) Tantalum (Ta) Vanadium (V, Al, Ni, Mo)	Silicon (Si) Antimony (Sb) Graphite (C)	Titanium Alloys (Ti, Al) Engineering Superalloys (Cr, V)
PRIMARY MARKETS		
		

AMG KEY HIGHLIGHTS

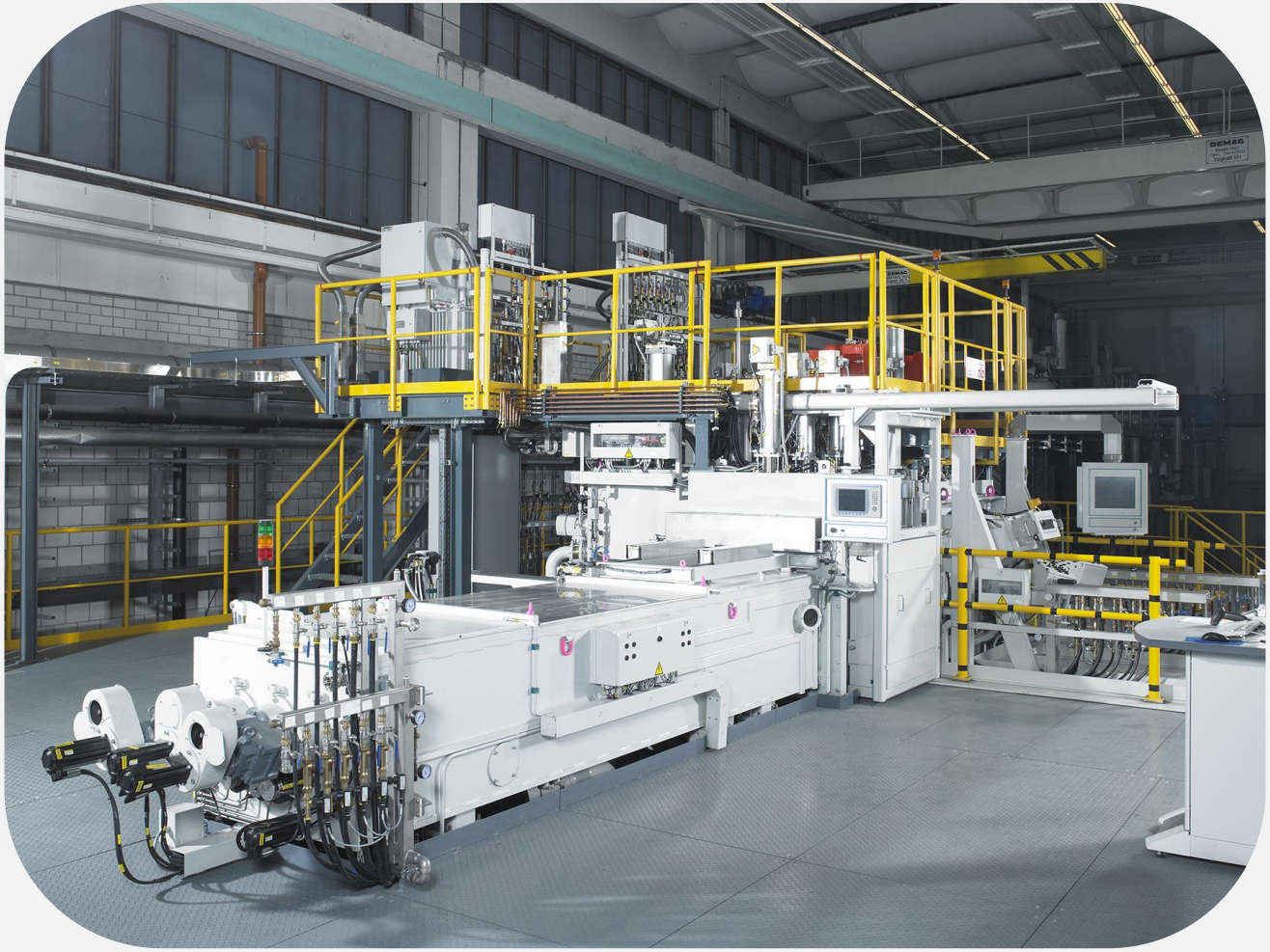
EBITDA ($M)
- 2018: 217.1
- 2019: 121.4
- 2020: 66.8
- 2021 guidance: 120+

Revenue ($M)
- 2018: 1,310.3
- 2019: 1,188.6
- 2020: 937.1

Market Cap. ($M)
- 12/31/18: 983
- 12/31/19: 696
- 12/31/20: 849
- 6/1/21: 1,174

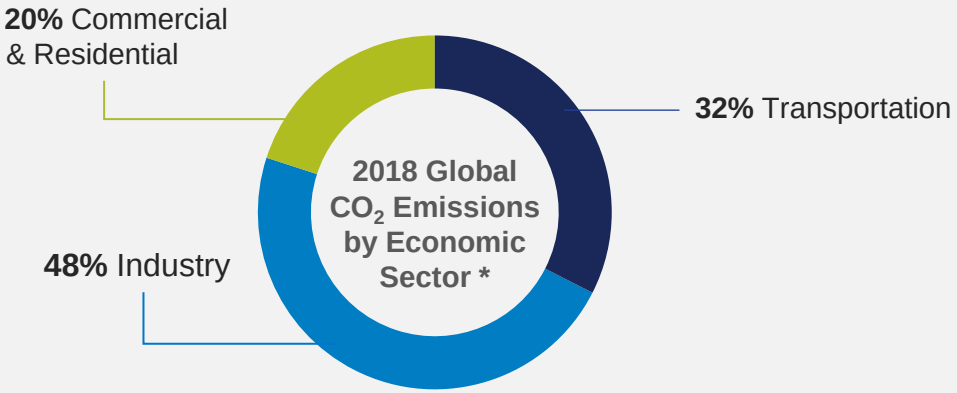
ECO_2RP CO_2 Reduced (MT)
- 2018: 50.8M
- 2019: 67.8M
- 2020: 56.6M

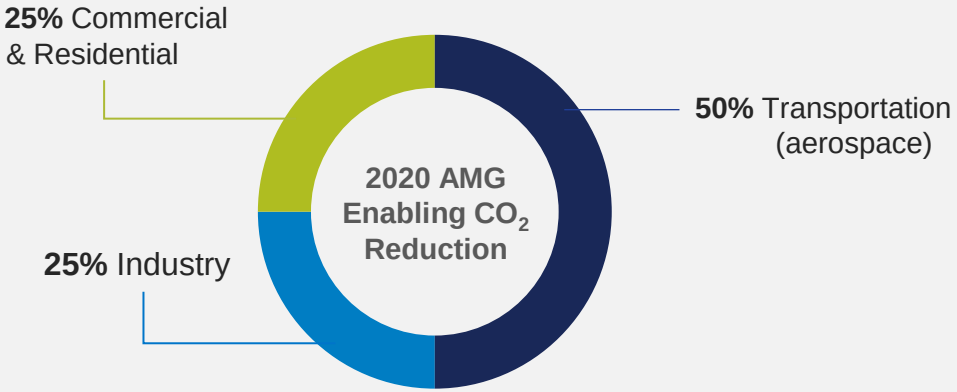
TURBINE BLADE COATER

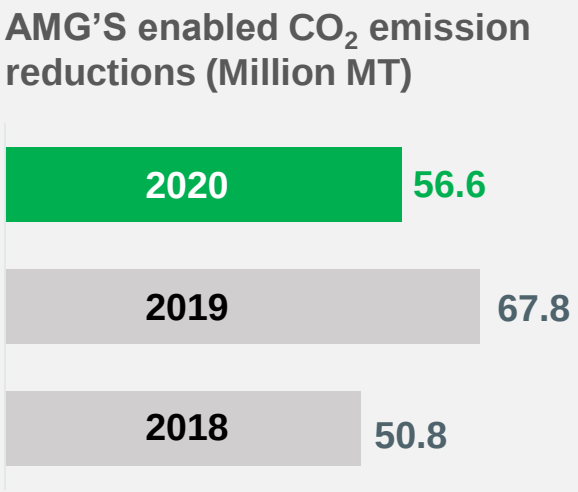


GRAPHITE: INSULATION FOR BUILDINGS

CO_2 EMISSIONS AND AMG ENABLED REDUCTION







CO_2 reduction enabled by AMG's products based on the LCAs of 2018-2020

* 2018 CO_2 Emissions by Economic Sector from http://fmshooter.com/what-an-actual-green-new-deal-to-reduce-emissions-would-look-like/global-co2-emissions-by-source/

ENABLING CO_2 REDUCTION PORTFOLIO (ECO_2RP)

	2020	ECO_2RP Lobby
CLEAN ENERGY MATERIALS	Ferrovanadium Aluminum Alloys *9.4*	Vanadium Oxide (V_2O_5) Lithium Tailings
CRITICAL MINERALS	Insulation Materials *1.1*	Microsilica
CRITICAL MATERIALS TECHNOLOGIES	Thermal Barriers Titanium Alloys Heat Treatment Glass Coatings *46.1*	Mixed Oxide Fuel (MOx) Revert Titanium Heat Treatment Services Titanium Aluminides

Total CO_2 Enabled Reduction: 56.6

AMG VANADIUM: ENVIRONMENTAL EXCELLENCE

Marathon Galveston Bay refinery

AMG Zanesville facility

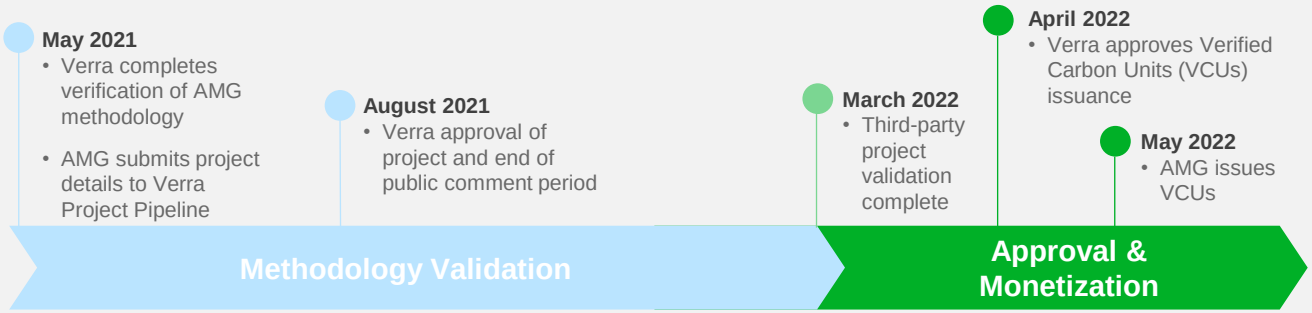
- *"In 2019 MPC delivered 5,300 metric tons of spent catalyst to AMG. AMG extracted the vanadium and other valuable metals. This reclamation process produces **41,500 less metric tons of CO_2e emissions** than traditional steel manufacturing"*[1)]
- AMG Vanadium was among a small group of suppliers to receive special recognition for extraordinary performance in the area of environmental stewardship.

1) Marathon Petroleum Sustainability Report 2019

VERIFIED CARBON STANDARD METHODOLOGY DEVELOPMENT

- AMG is in the final stages of publishing a Verified Carbon Standard (VCS) methodology, which would allow certified AMG projects to turn their greenhouse gas emission reductions into tradeable carbon credits
- AMG is working in conjunction with Verra, a global leader in the development of standards and frameworks, for achieving sustainable development targets
    - To date, Verra has worked with over 1,600 registered projects in over 82 countries, generating more than 450 million carbon credits

Methodology Development Timeline



SHELL & AMG RECYCLING (SAR) PROJECTS

SHELL & AMG RECYCLING
VALUE THROUGH SUSTAINABILITY

SAR – SAGIA Signing Ceremony, November 2019

Shell & AMG Recycling B.V. Signs Contract with Shandong Yulong Petrochemical Co., Ltd

By **Chemical Industry Digest**

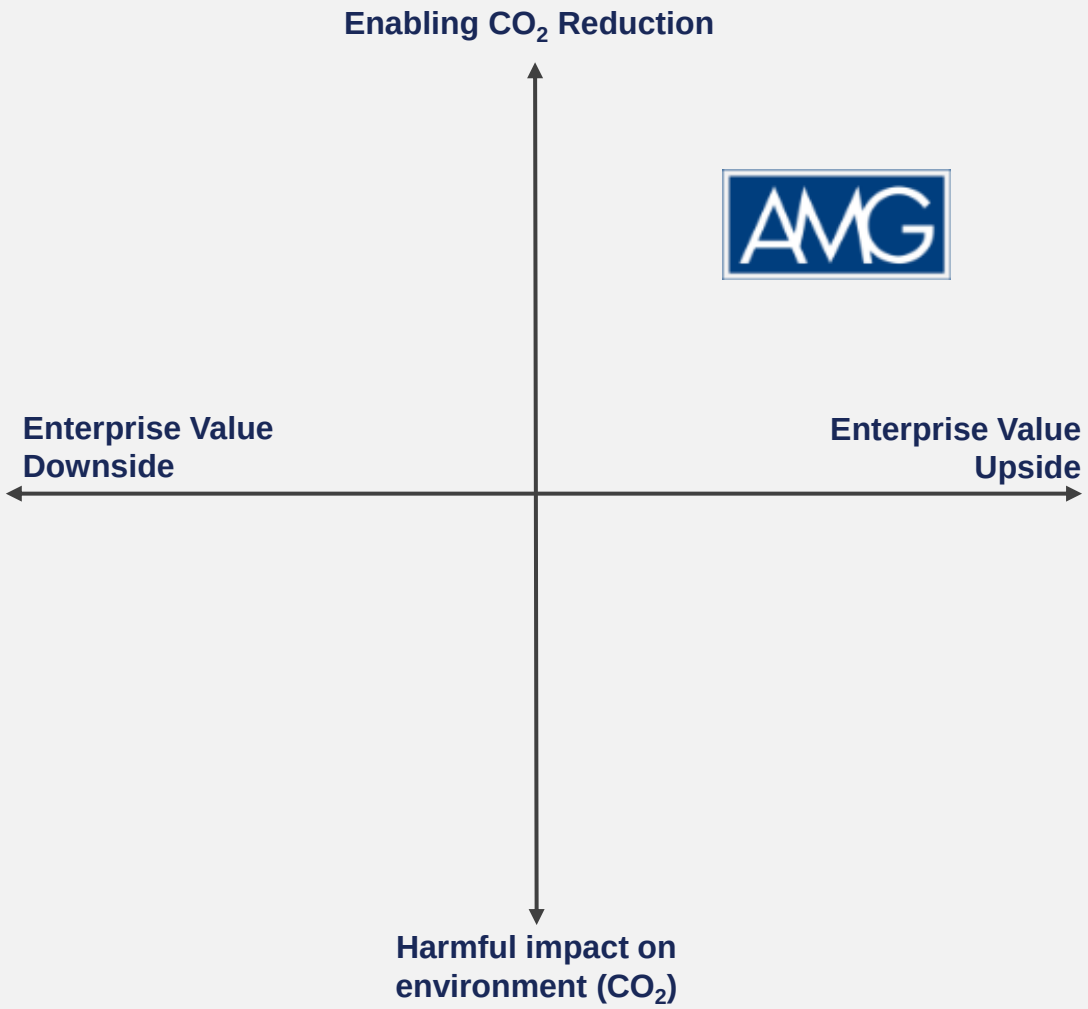
AMG Advanced Metallurgical Group N.V. announced that Shell & AMG Recycling B.V. signed a memorandum of understanding (MOU) today with Shandong Yulong Petrochemical Co., Ltd. to enter into exclusive arrangements to evaluate the potential for construction and operation of a spent catalyst recycling facility in Yantai, China.

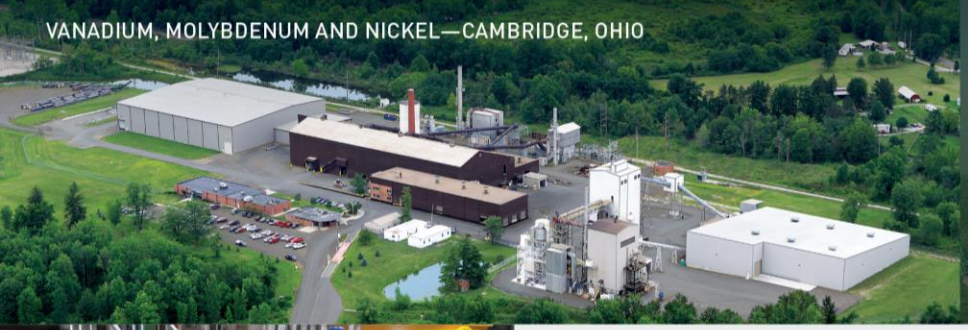
The MOU will allow Shandong Yulong Petrochemical Co., Ltd, and Shell & AMG Recycling B.V. to explore the feasibility of building a world-class facility to re[illegible] valuable metals b[illegible]

AMG LITHIUM: THE ORIGIN OF THE VALUE CHAIN

AMG LITHIUM: THE END OF THE VALUE CHAIN

DOUBLE MATERIALITY IN REVERSE




VANADIUM, MOLYBDENUM AND NICKEL—CAMBRIDGE, OHIO


VANADIUM, MOLYBDENUM AND NICKEL—ZANESVILLE, OHIO


V_2O_5


LI PROCESSING, AMG BRAZIL


TANTALUM, NIOBIUM, AND HAFNIUM


PLUTONIUM

This announcement appears as a matter of record.

AMG

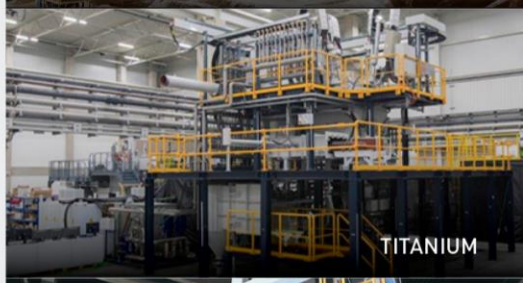
AMG's LAW:

"Everything that can be recycled will be recycled."

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


NIOBIUM


LITHIUM TAILINGS


TITANIUM


CHROMIUM