AMG Advanced Metallurgical Group N.V.

Investor Presentation

October 2009



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Contents

- Highlights and Operational Review
- Market Overview
- Financial Review
- Outlook





AMG at a Glance

- Preeminent global specialty materials and materials technology company serving growing end-markets
- Advanced Materials Division: Niche and complex specialty materials
- Engineering Systems Division: Advanced vacuum furnace systems for high-purity metals
 - Publicly listed investments:
 - **Timminco (47.9%-owned):** Silicon metal and solar grade silicon
 - **Graphit Kropfmühl (79.5%-owned)**: Natural graphite and silicon metal
- 2009 Q2 Results: Revenue down 5% from Q1 to \$233.4 million and EBITDA up from \$3.3mn in Q1 to \$13.3mn in Q2



Global Operations



Global presence enables access to key growth markets

- Note: This chart is a simplified depiction of AMG's organisational structure.
- (1) Timminco Limited is listed on the Toronto stock exchange (TIM CN / TIM.TO).
- (2) Graphit Kropfmühl AG ("GK") is listed on the Frankfurt stock exchange (GKRG.DE / GKR GR).



AMG strategic principles



AMG's strategy is to increase shareholder value through focusing on clean energy technologies and industries – Solar, Fuel Efficiency, Recycling and Nuclear



Market Overview



Stabilization Wedges - AMG





Focus on Clean Energy Technologies and Markets

Fuel Efficiency

- Proprietary alloys and superalloys for aerospace applications
- Furnace technology for production of titanium and other weight-advantaged alloys
- Coating solutions for aerospace and combustion engines

Solar

- Crystallisation and purification vacuum furnace technology
- Low-cost producer of solar grade silicon (SoG Si) based on proprietary technology
- Producer of silicon metal feedstock used to manufacture polysilicon

Recycling

- Recycling of spent refinery catalysts and power plant residues used to produce ferrovanadium and ferronickelmolybdenum and vanadium alloys
- Long-term contract for spent catalysts supports long term capacity expansion plans

Nuclear

- Sintering furnaces for nuclear fuel cycle
- Annealing furnaces for production of nuclear fuels
- Vacuum furnace technology for pebble bed reactors
- Storage technology for nuclear waste



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	So	olar	Fuel Ef	ficiency	Recy	cling	Nuc	clear	Otl	her	Tot Gro YT	up
	Q2 09	Q2 08	Q2 09	Q2 08	Q2 09	Q2 08	Q2 09	Q2 08	Q2 09	Q2 08	Q2 09	Q2 08
Revenue	84	100	62	124	18	55	3	0	66	134	233	413
Gross Margin	20	28	5	27	(2)	19	1	1	7	18	32	93
Margin %	24%	28%	8%	22%	-11%	35%	45%	N/A	11%	13%	14%	22%
	 Solar grac Silicon me DSS Vacu furnaces a solar furn Coatings application 	etal uum and other aces for thin film	 Vacuum fi systems for purity met VAI alloys Superalloy industry 	or the n of high als	 Ferrovana Ferro nick molybden 	xel -	 Vacuum s furnace s Engineeri processin weapons plutoniun nuclear fu 	ystems ing for g of grade n into MOX	 Chromiur Tantalum Vacuum s furnace sy Antimony Natural g Al master 	intering stems v trioxide raphite		
	 Producer grade sili 		 Petrol pri growth in metals to fuel econo 	specialty improve	 Secondar model en unique lo feedstock 	ow cost	 Expandit technolo portfolio expertise 	and	 Portfolio metals ba businesse 			

A focus on global clean energy technologies and industries



Business Update

- Advanced Materials volume and price declines slowed during Q2; some product volumes showed signs of a bottom
- Engineering Systems produced solid Q2 results; the backlog declined amid global reductions in capital investment
- Publicly listed companies:
 - Timminco's solar grade silicon and silicon metal customers postponed deliveries; temporarily idled its silicon metal furnaces
 - GK maintained profitability despite lower silicon and graphite pricing and increased energy costs





Solar – Update





- Market continues to struggle
 - Oversupply still evident in the value chain
 - Production continues to move to Asia
 - Weakness expected to continue into 2010
 - Long term prospects for solar remain positive
 - Thin film market challenging, 2010 should improve

Operations

- Formed AMG Conversion Limited
- Retooling Berlin facility to produce non-solar furnaces



Fuel Efficiency – Update





- Market demand moderating
 - Market adversely impacted by Boeing 787 and 747-8 delays
 - Significant inventory overhang in value chain
 - Prices have rebounded slightly from Q2 lows; demand still lagging
 - Operations
 - Reducing headcount to match demand
 - Working capital reductions ongoing to improve cash flow



Fuel Efficiency – Market Trends





Titanium Sponge Production by Country

- China production has surpassed other countries and will continue to lead in sponge
- Russia, Ukraine, Kazakhstan have become major producers of titanium sponge

Titanium Metal Demand by Segment

- Despite recent market turmoil, titanium metal will continue to grow substantially for the next 20 years
- Aviation will be the key market going forward



Recycling – Update



Market demand moderating

- AMG shut down operations during Q3 2009 – 6 weeks
- North American steel capacity utilization approaching 60% in Sep 09
 FeV pricing reached \$13/lb; currently at \$12/lb
- Producers reducing capacity to match demand
 - Long term trends still positive
 - Infrastructure growth from emerging markets will drive demand



Recycling - Pricing







Nuclear – Update



Stackable Graphite Blocks



- Market development ongoing
 - U.S. DOE engineering project on schedule
 - Impermeable graphite glass matrix (IGM) development achieved milestone
 - Business development projects are long term
 - New business opportunities in Russia and U.S.

Operations

- Engineering team has expanded to 20 engineers
- AMG working with partners to expand product offering



Nuclear – New IGM technology

- Impermeable graphite-glass matrix (IGM) developed by ESD
 - Extends safe disposal from 10,000 years with today's vitrification technology to 1,000,000 years.
 - Extremely low corrosion rate due to closed pore system
 - IGM can transform various types and forms of radioactive waste streams





Financial Review



Financial Update

- Q2 Revenue: \$233.4 million
 - Q2 revenue excluding TIM: \$214.9 million
 - H1 2009 revenue excluding TIM: \$430.7 million
- Q2 EBITDA: \$13.0 million
 - EBITDA excluding TIM: \$22.2 million
 - H1 2009 EBITDA excluding TIM: \$38.0 million
- Cash of \$110.1 million and debt at \$249.3 million at June 30, 2009
 - Net debt of \$139.2 million at June 30, 2009
 - Total liquidity \$190.1 million
 - Net debt was \$85.1 million excluding TIM, 0.9x TTM June 2009 EBITDA





Advanced Materials - Market, Products, and Customers

	Fuel Efficiency	Recycling - FeV	Other		
Products	 Specialty alloys for titanium 	 Ferro-vanadium 	 Chromium Metals 		
	 Coatings for wear 	 Ferro-nickel molybdenum 	TantalumAntimonyAluminium master alloys		
	resistance				
Competitors	 Reading Alloys Inc. 	 Highveld Steel & Vanadium 	 KBM Affilips B.V. 		
	 Strategic Minerals Corporation 	• Gulf Chemical &	KB Alloys, Inc.Delachaux S.A.Campine S.A.Chemtura Corporation		
		Metallurgical Corporation			
		 Strategic Minerals Corporation 			
		• Xstrata plc			
Sample Customers	Allegheny Technologies	 Chengde Vanadium & Titanium Stock Co. Ltd. 			
	Rolls-Royce	MITTAL Steel Dynamics, Inc:	CARPENTER		

Advanced Materials





Highlights

- FeV reference prices declined 74% and FeV volumes declined 5% year over year impacting both revenue and EBITDA
- Demand remained soft due to lower structural steel production levels
- FTE headcount reduction of 20% from September 30, 2008
- Capital expansion limited to completion of projects in process and essential maintenance capital





Engineering Systems - Market, Products, and Customers

TECHNOLOGIES

	Solar	Fuel Efficiency	Nuclear	
Products	 Solar silicon melting and crystallisation systems 	 Vacuum Melting and Re- melting Systems 	 Vacuum Sintering Systems 	
	(DSS furnaces)	 Precision Casting and Coating Systems 		
		 Heat Treatment with high pressure gas quenching 		
Notable Successes	 2001 – Secured furnace exclusivity with REC 	 2008 – Market Share leader in Ti remelting in China, the 	 July 2008 – Secured first nuclear engineering contract 	
	 2005 – Introduced single 	fastest growing Ti market	with DOE, through Shaw Areva	
	crucible furnaces	 2008 – 80% market share in turbine blade coating 	Portfolio of problem solvir	
	 2008 – >\$200mm in revenue, 2nd largest market participant 	turbine blade coating	technologies under development	
Sample Customers	ScanWafer	Rolls-Royce		
	ReneSila 🔁 Elkem	Pratt & Whitney	AREVA JNFL	
	COLCELLS 👹 BP Solar	TEBAOTI	Westinghouse	
		Aero Engines	MOX SERVICES, LLC	
	Photowatt	Allegheny Technologies	BNFL	

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Engineering Systems

Financial Summary





Highlights

- Revenue decreased 8% to \$91 million
 - Solar silicon DSS furnace revenues increased
 64% in Q2 09 as compared to Q2 08
- EBITDA was strong at \$23 million
- Backlog declined from \$332 million at December 31 2008 to \$223 million at June 30, 2009
 - Order backlog is now primarily comprised of furnaces sold to fuel efficiency end market
- H2 2009 EBITDA is expected to be lower than H1 due to the decline in backlog





Timminco

Financial Summary





Highlights

- Revenue decline due to lower silicon metal prices and stagnant solar grade silicon orders
 - Si metal spot prices: \$1.14/lb at 9.30.09
- Solar grade silicon pricing declined substantially due to excess capacity for polysilicon in the solar market
- EBITDA negatively impacted by lower volumes as well as production inefficiencies
- Future capital expenditures for the solar grade silicon line have been deferred
- Magnesium spin off completed during July of 2009





Graphit Kropfmühl





Highlights

- AMG acquired GK in April of 2008 Q2 2008 data is two months while Q2 2009 data is three months
- Revenues were negatively impacted by a decline in silicon metal volumes and declining graphite volumes and pricing
- EBITDA of \$1.7 million, increased from Q1 2009 due to cost containment measures
- CAPEX was primarily for the expansion of silicon metal production capacity, continued from 2008 initiatives
- Experiencing significant growth in energy saving building materials





Financial Summary

Capital Base



Highlights

- Cash of \$110.1 million at 30 June 2009
- Total debt \$249.3 million at 30 June 2009
 - Net debt of \$139.2 million at 30 June 2009
 - Excluding Timminco, net debt was \$85.1 million, 0.9x TTM June 2009 EBITDA
- Total liquidity \$190.1 million at 30 June 2009

Note: Cash includes short term investments



Outlook

- Advanced Materials
 - First signs of pricing stabilization occurring in Q3 2009
 - Return to historical levels will take some time
- Engineering Systems
 - Q2 2009 order intake better than Q1 2009
 - Lower order backlog entering Q3 2009 will affect H2 revenues and EBITDA compared to H1 2009
 - Q3 is seasonally slow due to holiday period
- Timminco
 - Weak demand for solar grade silicon continues; Si metal demand marginally improving
 - Focus on capital preservation
- Graphit Kropfmühl
 - H2 2009 silicon metal and graphite demand consistent with H1 2009 demand





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