# **CRH Investor Day 2010**



#### AMERICAS MATERIALS

**Doug Black** 



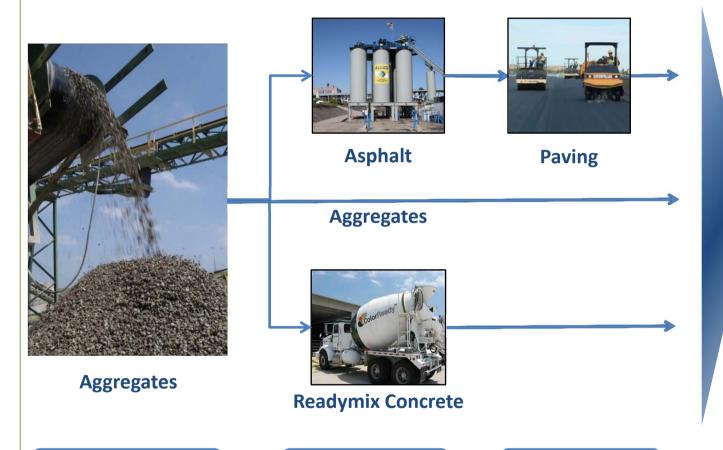




- BUSINESS MODEL
- COMPETITIVE ADVANTAGES
- OPERATIONAL EXCELLENCE
- DEVELOPMENT OPPORTUNITY
- KEY TAKE-AWAYS

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#### **Americas Materials – What We Do**





Infrastructure



**Non Residential** 



Residential

**The Foundation** 



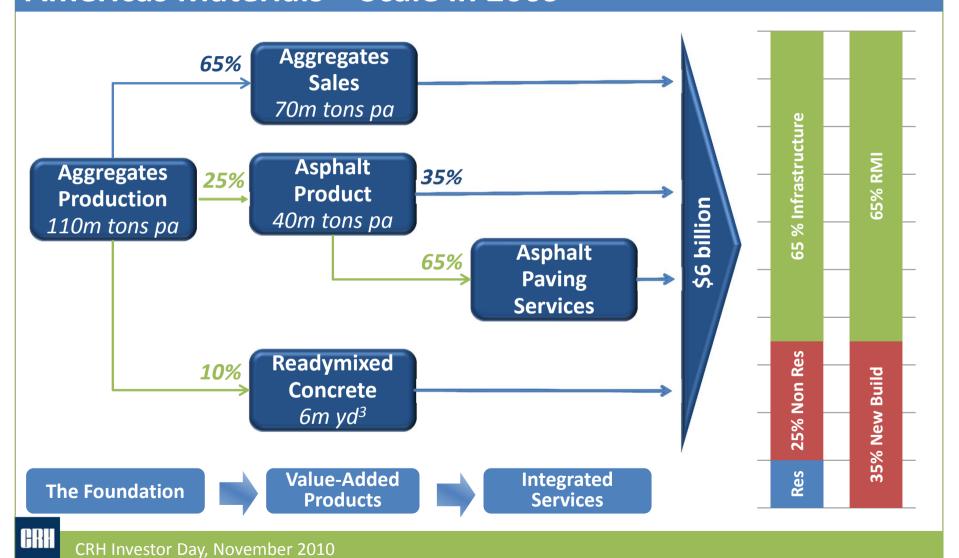
Value-Added Products



Integrated Services



#### **Americas Materials – Scale in 2009**





# **Americas Materials – Why Integration Provides Strength**

Aggregates

Asphalt/RMC

**Paving** 

- Scarce reserves defensibility
- Aggregates/Asphalt pull through security of demand
- Economies of scale integrated network
- Quality, logistics and efficiency supports margin
- Decentralised model difficult to replicate
- Local integrated players available targets for growth

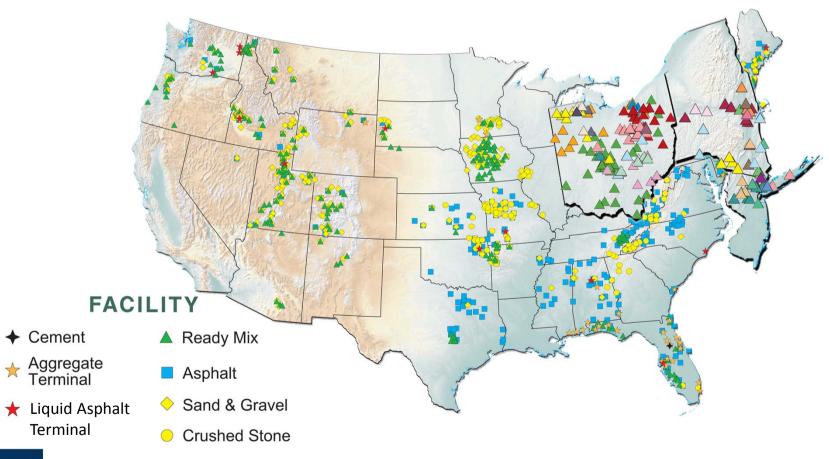
Effective value-added delivery of heavyside materials





## **Americas Materials – Building an Integrated Business**

#### Americas Materials 1985 - 2010







#### **Americas Materials – Today**



#### **Today**

- Vertically integrated business
- Focused on infrastructure RMI
- Clustered for regional leadership

#### **Leading Industry Position**

- No. 1 Asphalt
- No. 3 Aggregates
- No. 3 RMC
- National footprint: 44 states
- Experienced management

From a standing start to No. 1 in 25 years





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### **Americas Materials Competitive Advantages**

#### Our Locations

- 11.8 billion tons of aggregates reserves in 575 quarries; 50 stone terminals
- 490 asphalt facilities and 20 liquid AC terminals (830k tons)
- 300 RMC plants; one cement plant

#### • Our Operating Capability

- Important economies of scale
- Significant logistics capability road / rail / barge
- Manage locally yet drive performance & synergies nationally

#### Our Development Skills

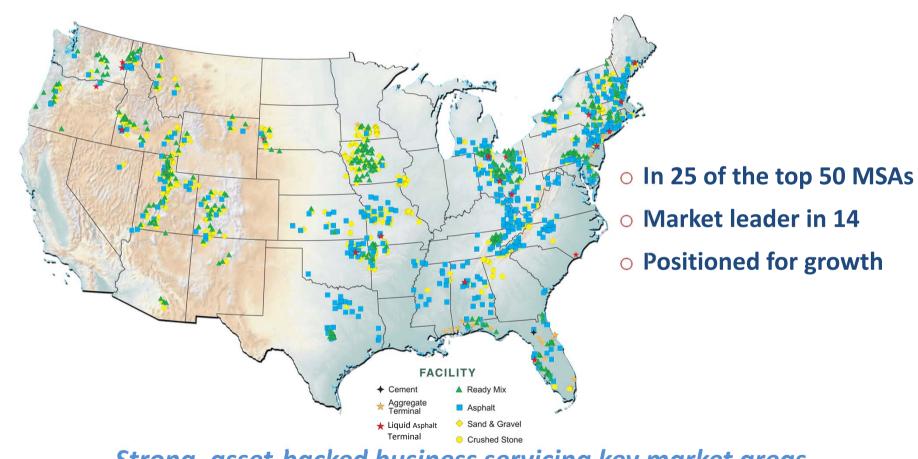
- 25 years of adding value
- Local and regional contacts are critical

**Superior results** 





## **AMAT Competitive Advantages – Our Locations / Footprint**



Strong, asset-backed business servicing key market areas





# **AMAT Competitive Advantage – Our Operational Capability**



- Operating excellence
- Group-wide sourcing
- Central IT & support

- Regional economies
- Network synergies
- Best practice execution

- Deep market knowledge
- Fast & flexible delivery
- Customer relationships

- Superior returns
- Excellent reputation
- Supplier of choice

Large company resources – local company entrepreneurship





### **AMAT Competitive Advantage – Our Economies of Scale**

#### Regional economies provide:

- Cost management across plant networks
- Scale in raw material purchases
- Leveraged fixed overhead

#### Enhanced by national scale – we are a leading purchaser of:

- Materials: liquid asphalt, cement, admixtures
- Energy: diesel, natural gas, recycled fuel oil
- Equipment: mobile, plant, repair parts, rail cars, barges
- Services: blasting, communications, utility



### **AMAT Competitive Advantage – Our Acquisition Capability**

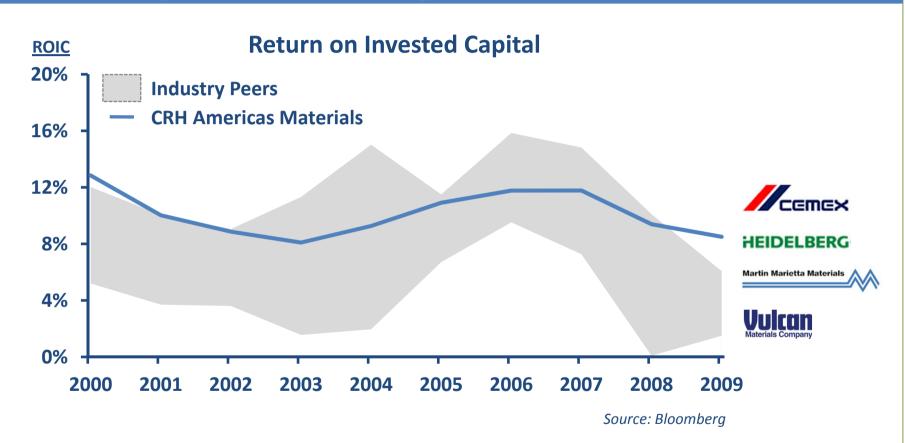
- Excellent reputation purchaser of choice
- Extensive contacts local and regional management
- Long-term relationships lead to negotiated deals
- Capacity to pursue, close and integrate multiple deals
- Devolved process but rigorous focus on returns
- Flexible deal structures tailored to CRH and owners' needs

25-year track record in creating value





### **AMAT Competitive Advantage – Our Returns**



Industry-leading returns that will improve with market recovery



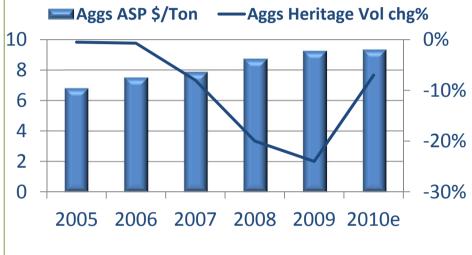


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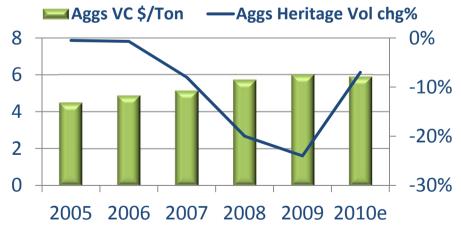


#### **AMAT Operational Excellence – Commercial & Cost**



#### **Commercial:**

- Strong local price discipline
- -20% Common analytical tools & metrics
  - Structured sales management



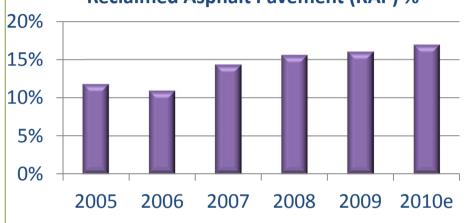
#### Cost:

- Hourly and daily tracking
- Aggressive best practice sharing
- Continuous improvement culture



### **AMAT Operational Excellence – Energy & Innovation**

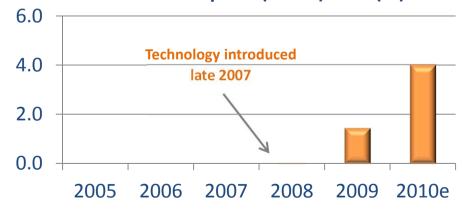
#### Reclaimed Asphalt Pavement (RAP) %



#### **Energy:**

- Continued increase in RAP
- Energy and fuel efficiency
- Reduced environmental impacts

#### Warm Mix Asphalt (WMA) Tons (m)



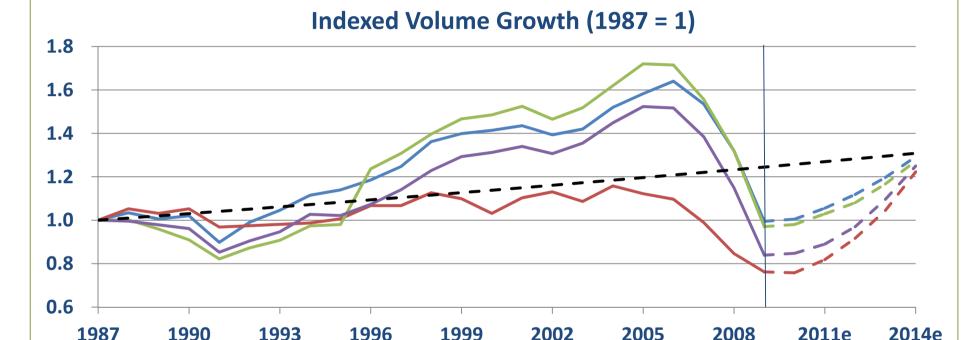
#### **Innovation:**

- Rapid adoption of technology
- Group-wide technical support
- Local experts/champions



### **AMAT Operational Excellence – Margin Potential**

Asphalt



Source: NAPA, NRMCA, USGS, PCA

– Population (1%)

Operational Excellence + Market Recovery = Strong Margin Opportunity

---Cement

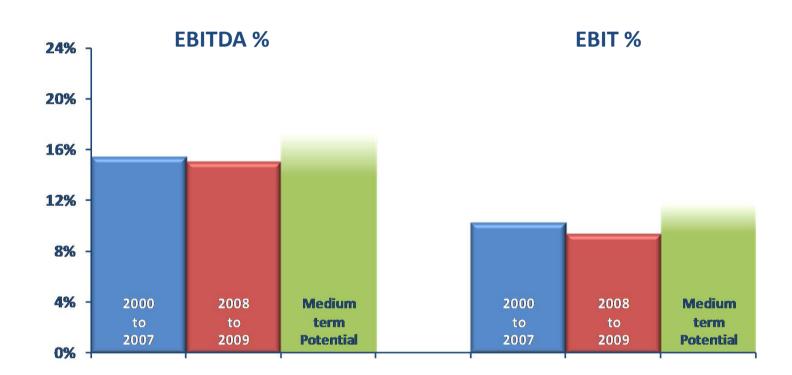
---RMC



Aggregates



# **AMAT Operational Excellence – Our Margins**



Upside leverage to margins as markets normalise





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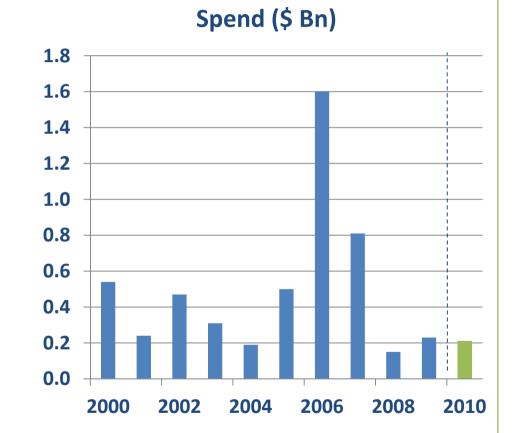




### **AMAT Development – The Last 10 years**

#### **Development Activity 2000 - 2009**

- 152 deals
- In 32 states
- c\$5 billion total spend
- Comprising deals valued ...
  - o 112 <\$20m
  - 34 \$20 100m
  - o 5 \$100 500m
  - 1 \$1.1Bn (2006: APAC)



Disciplined investment over time – multiple transactions





# **AMAT Development Opportunity – The Industry**

	OMG	Estimated U.S. Market	OMG % U.S.	Top 10 % U.S.	Estimated Private %	Key Players
Aggregates (m tons)	110	2,100	5%	30%	60%	Vulcan, Martin, AMAT, Heidelberg, Cemex
Asphalt (m tons)	40	362	11%	25%	70%	AMAT, Colas, Vulcan, MDU, Holcim
Readymix (m yd³)	6	258	2%	20%	60%	Cemex, Heidelberg, AMAT, Holcim, US Concrete
Cement (m tons)	1	77	1%	75%	15%	Cemex, Holcim, Lafarge, Heidelberg, Buzzi

Aggregates, Asphalt and RMC at early stages of consolidation





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#### **Americas Materials – Key Takeaways**

#### The U.S. Materials Market

- Aggregates, asphalt and readymix are core building construction materials
- Ongoing population growth and ageing infrastructure to drive robust recovery
- Largely unconsolidated sector with very fragmented regional markets

#### **CRH Americas Materials**

Market Leader Well-placed Reserves Integrated Model

Experienced Team

Structured & positioned to deliver superior returns

