

LANXESS Capital Markets Day 2012 High Performance Materials – A global player for lightweight solutions

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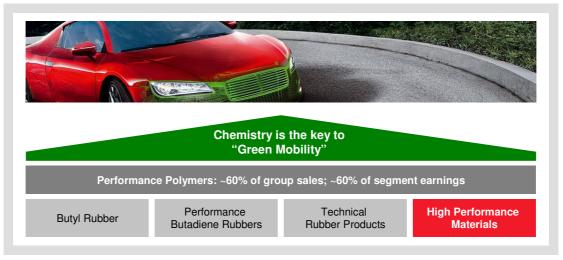
- HPM overview Strong global business setup
- Growth driven by innovative lightweight solutions
- Innovation secures future growth
- Summary

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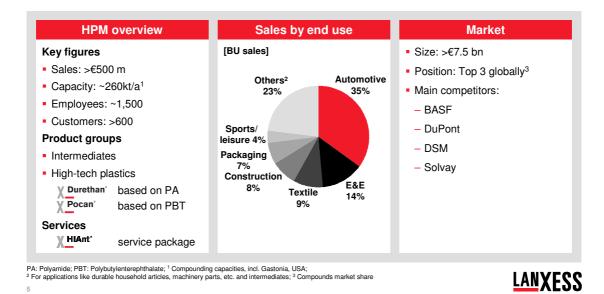
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"Green Mobility" energized by LANXESS



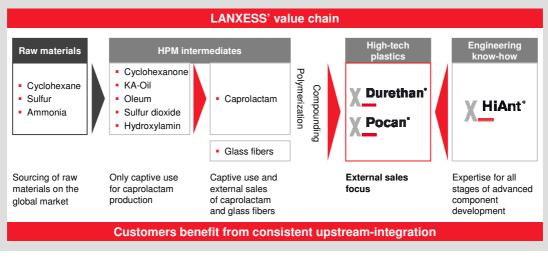


High Performance Materials – Business overview



Competitive advantage based on strong value chain combined with high-end engineering know-how

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New polymerization plant strengthens value chain and creates a leading world-scale "Verbund"



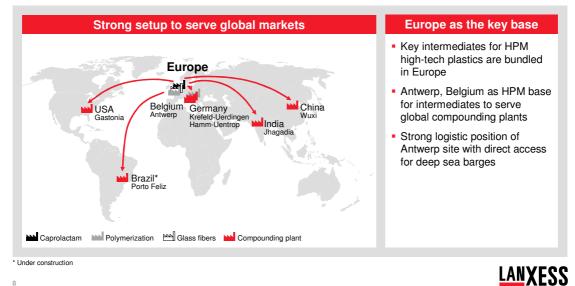
World-scale "Verbund"

- New world-scale PA6 polymerization train in Antwerp to serve captive demand for high-tech plastics production in growth regions
- Investment: €75 m
- Capacity: 90kt
- Start-up: Q1 2014
- New caprolactam / PA6 "Verbund" as combined asset on one site further improves economies of scale

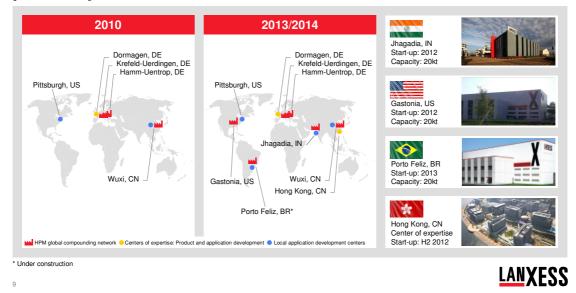
View on LANXESS production site in Antwerp, Belgium



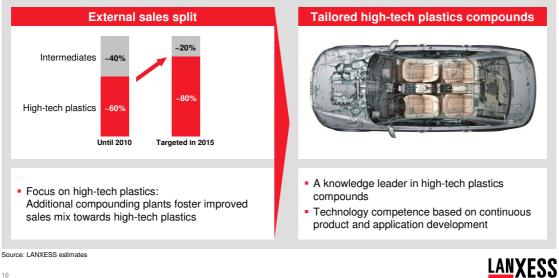
Strong intermediates base serves global compounding network



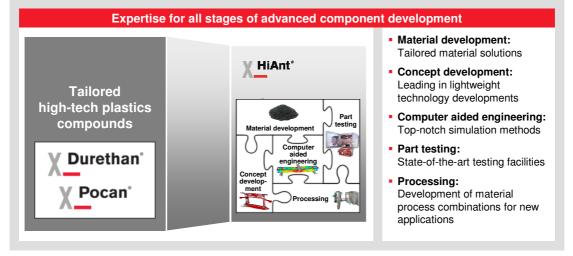
Global setup with local development centers ensures proximity to customers



Growing captive use of key intermediates supports strategy of increasing focus on high-tech plastics

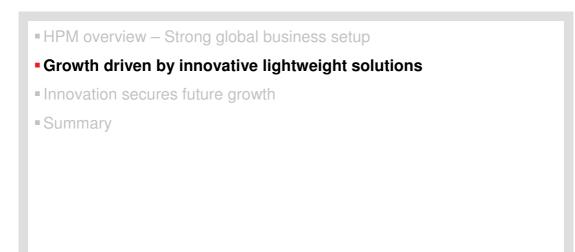


HPM's value proposition combines materials and high-end engineering know-how at its best

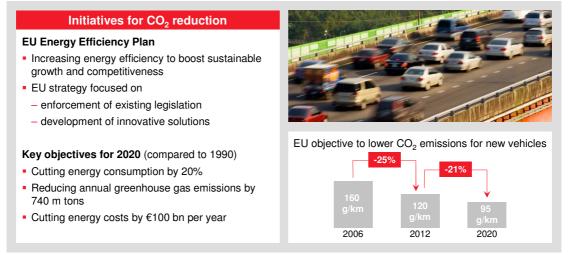


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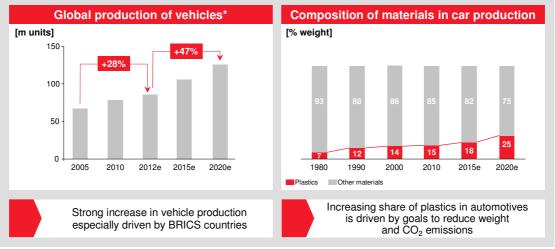


Growth for lightweight solutions is driven by global climate challenges



Source: EU Energy Efficiency Plan 2011, http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=COM:2011:0109:FIN:EN:PDF; Directive of the European Parliament and of the Council on energy efficiency, http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=COM:2011:0370:FIN:EN:PDF 13

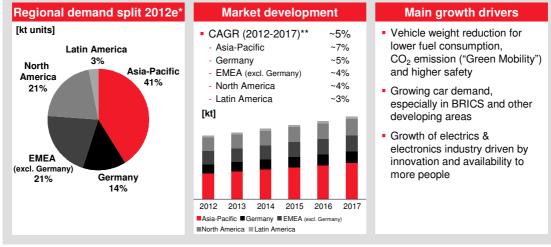
Lightweight solutions support reduction of road-traffic-related CO₂ emissions



Source: JD Power 2012; Polymotive; PlasticsEurope; LANXESS estimates; * Vehicles: passenger cars and light duty trucks



High-tech plastics growth driven by "Green Mobility" trend and Asian market

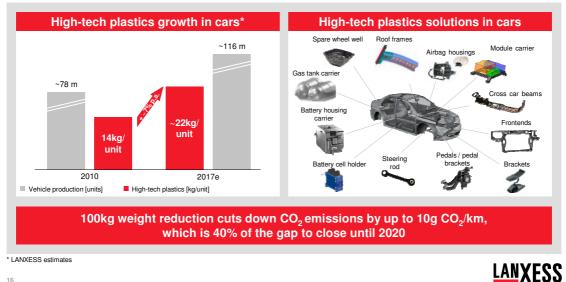


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* LANXESS estimates: High-tech plastics; ** PCI Nylon 2012 and LANXESS estimates; estimated growth rates for PA6. PA66 and PBT



HPM high-tech plastics enable lightweight solutions for "Green Mobility"



HPM – Enabler of high-tech plastics solutions

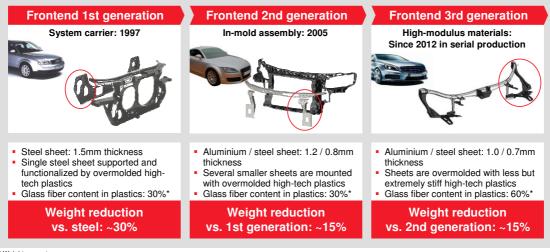


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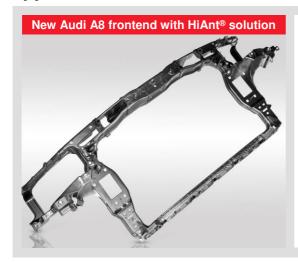
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HPM's high-tech plastics developments contribute to weight reduction in cars



* Weight percentage

HPM creates first frontend with composite sheets for series application



Audi A8 frontend material combination:

- Upper part: Aluminium sheet / high-tech plastic Durethan[®]
- Lower beam: Composite sheet (1mm thickness)
- Composite sheet consists of 60% continuous glass fiber woven fabric embedded in high-tech plastic Durethan[®]
- Composite sheet / Durethan[®] with excellent mechanical properties, e.g. high strength and stiffness

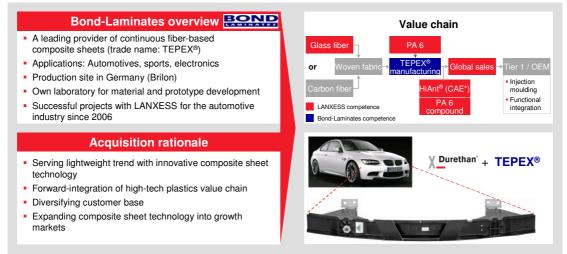
Audi A8 frontend weight reduction:

 Lower beam with 20% weight reduction compared to Aluminium



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Acquisition of Bond-Laminates strengthens HPM market position for lightweight solutions



* CAE: Computer Aided Engineering

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High Performance Materials – The high-tech plastics solution provider



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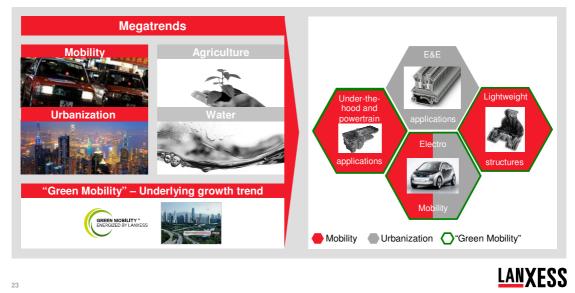
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Innovation secures future growth

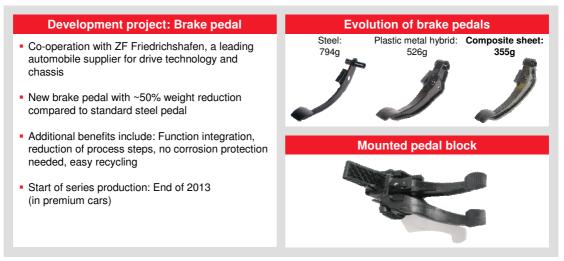
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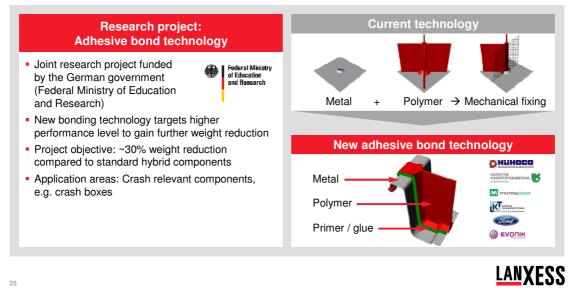
"Green Mobility" as underlying trend for new application fields



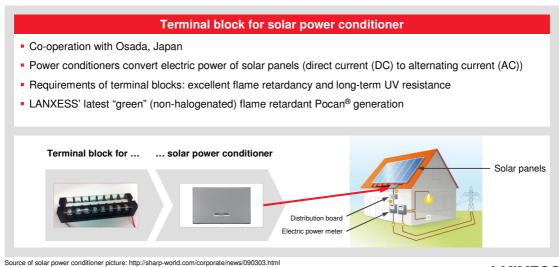
Innovation – First brake pedal with composite sheet for series production



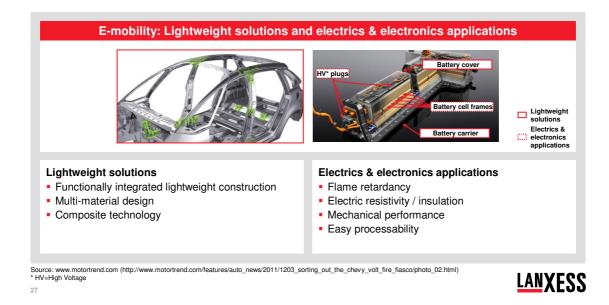
Innovation – New bond technology for plastic metal hybrid components



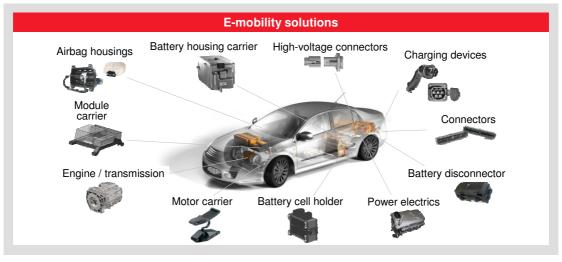
Innovation – New flame retardant high-tech plastic generation for solar power systems



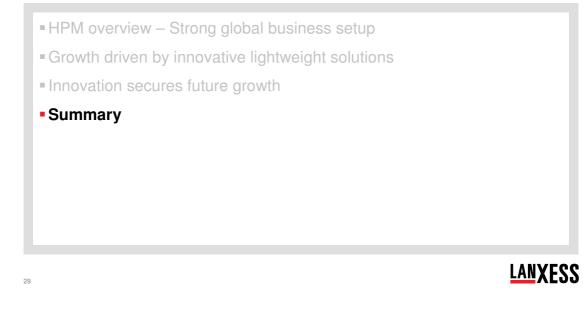
HPM with trend-setting solutions for e-mobility



HPM with strong knowledge base to support future e-mobility applications



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High Performance Materials – A global player for lightweight solutions

Global reach	 Strong global market position Further globalization of production network 	and the second sec
Strong growth setup	 Expanding setup in key growth markets Strong value chain and broad product portfolio Acknowledged value provider 	325
Innovation leader	 Know-how and concept competence Excellent customer relationships Fast and flexible innovation provider 	

