



Butyl Rubber: The enabler of mobility

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LANXESS Butyl Rubber – A premium supplier of high-quality butyl and halobutyl rubbers

Facts and figures

- Products: Regular butyl
Halobutyl
- Special characteristics:
High impermeability to gases and liquids
- Main brands:

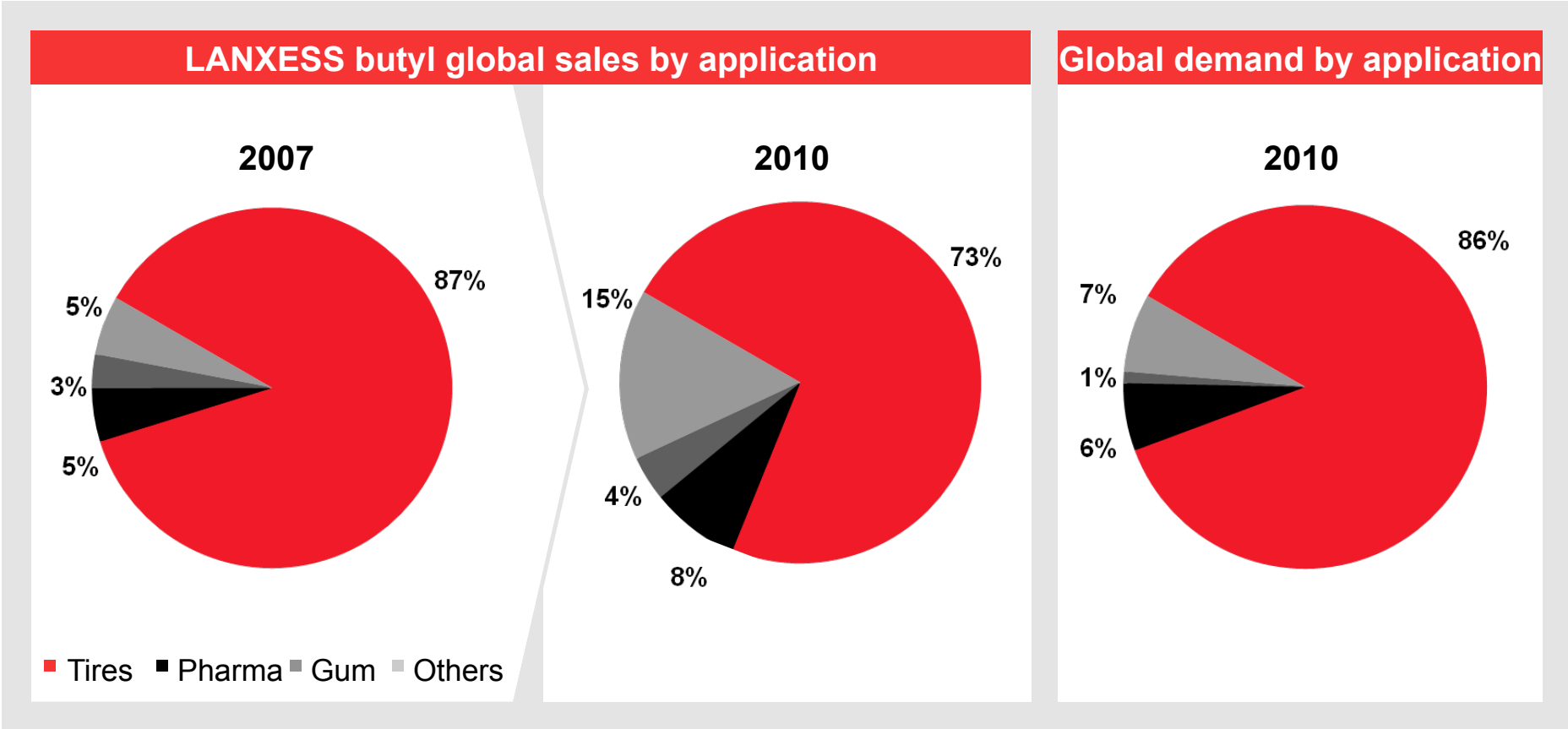
X Butyl **X Bromobutyl**
X Chlorobutyl

- Close cooperation with customers to meet specific needs

Applications butyl rubber

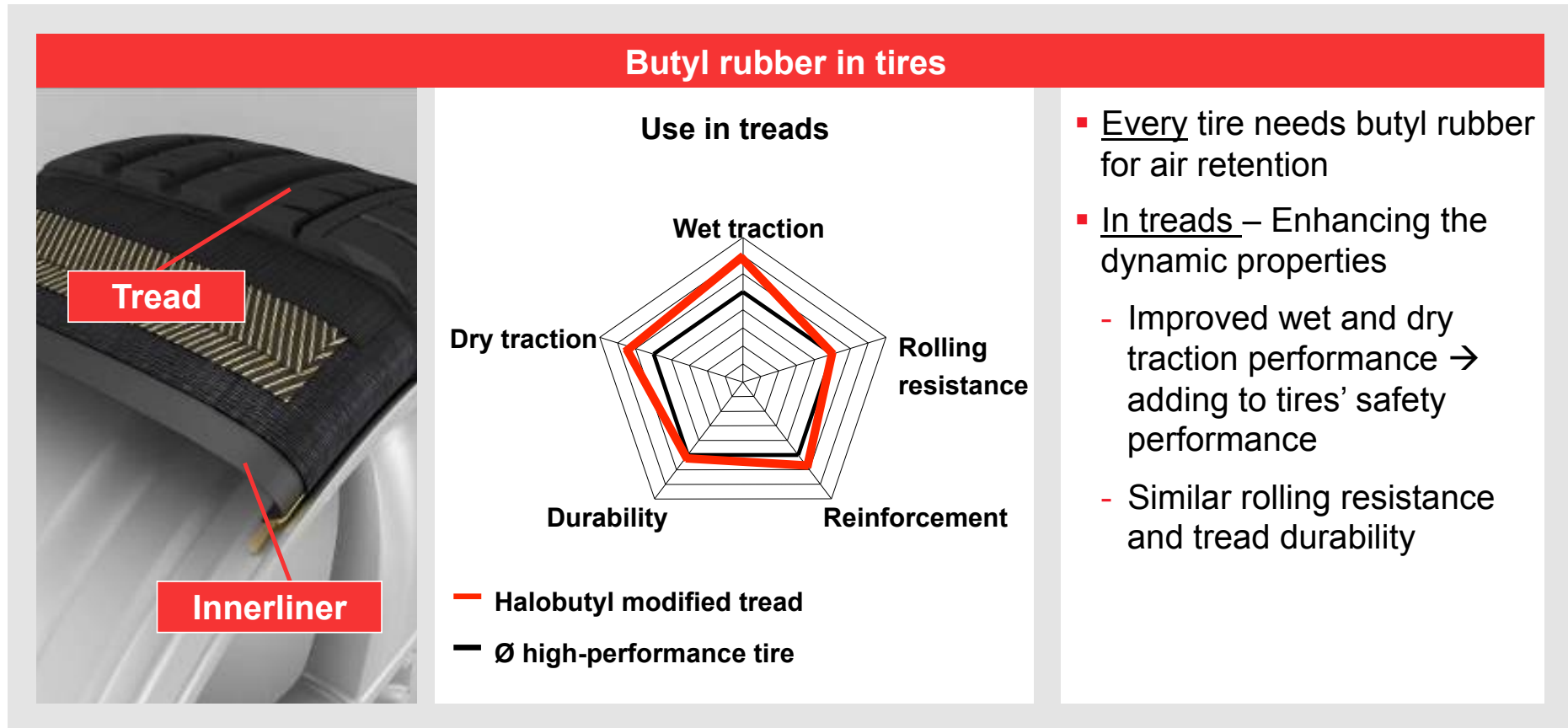


A key strategic driver for LANXESS has been diversification into non tire markets, although tires remain the main applications



Source: LANXESS internal market intelligence

Premium butyl rubber enables high-performance tires



Source: LANXESS Butyl R&D

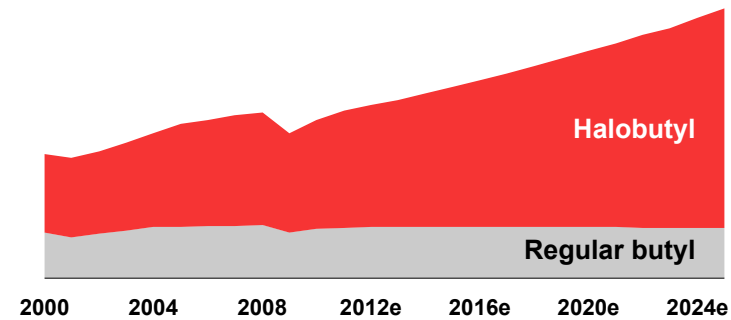
Further acceleration in global butyl rubber demand growth, especially in emerging markets

Market development

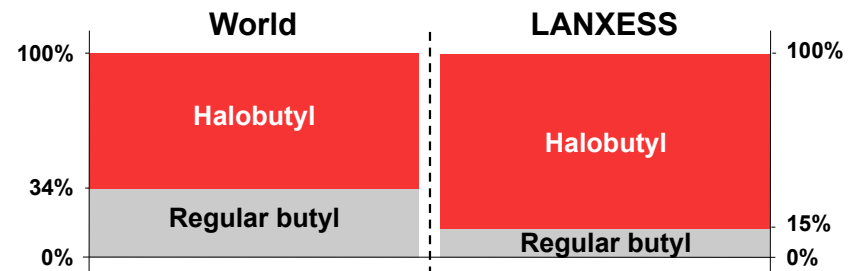
- Overall long-term (2011-2015) CAGR: 4-5%
 - APAC: ~5% (Japan ~<1%)
 - EMEA: ~2%
 - Americas: ~3% (LATAM ~6%)



Global demand for butyl rubber

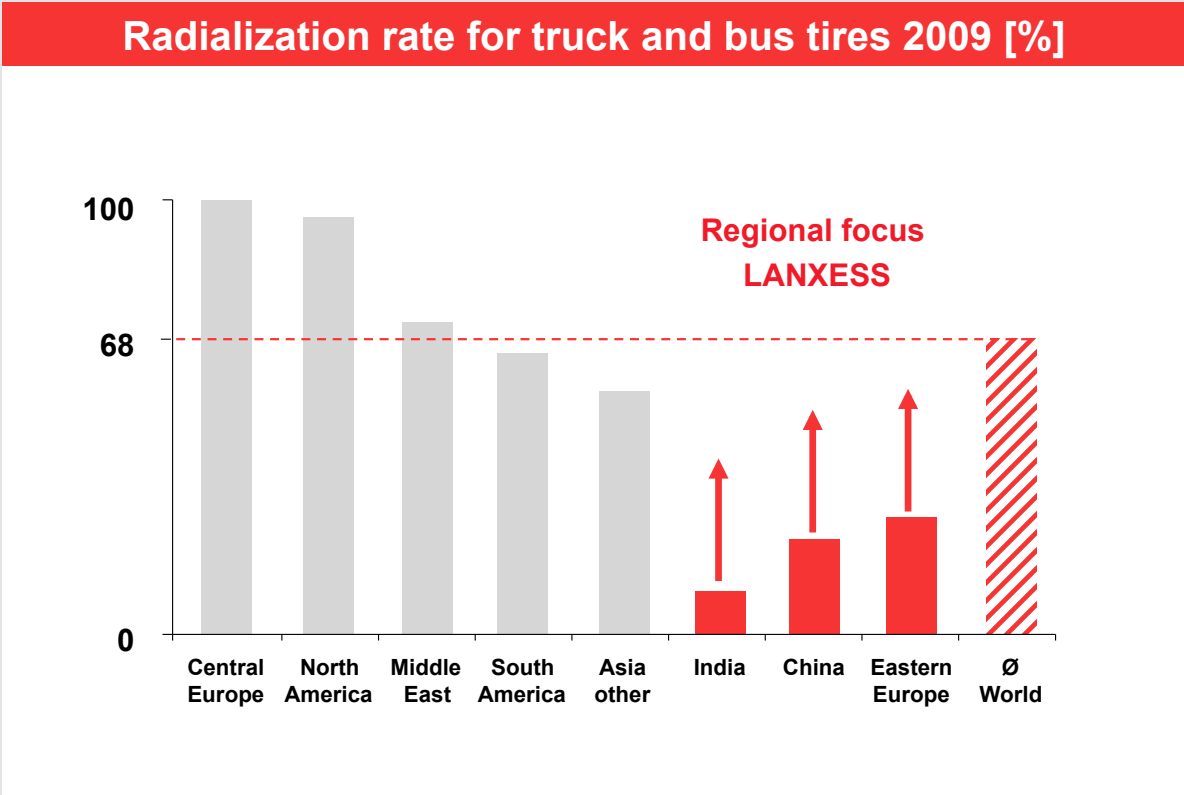


Butyl share



Please note: Information and details are not to scale; Source: LANXESS internal market intelligence

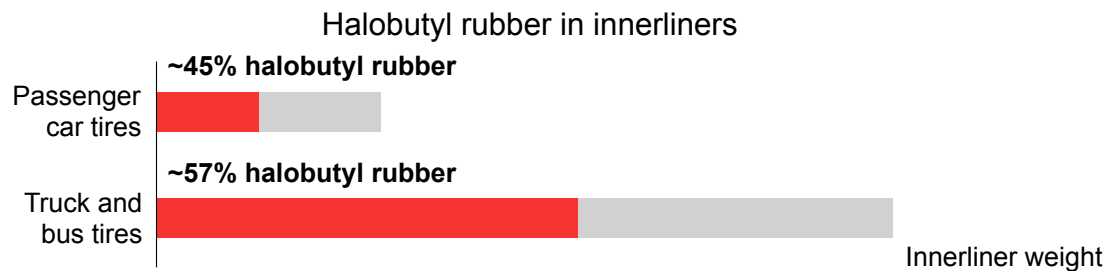
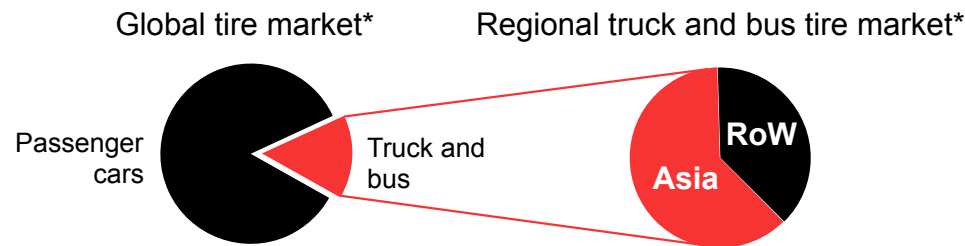
Improvement of road infrastructure and radialization stimulate global trend for radial truck and bus tires



- Radialization as an indicator for rising use of tubeless tires made of halobutyl
- Japan already a mature market with radialization >95%
- China’s radialization rate expected to grow by ~16%* (CAGR 1995-2013)
- India with highest growth potential due to only 10%-12% radialization rate for truck tires

Source: Michelin Factbook 2009, LANXESS market intelligence; * www.bekaert.com, LANXESS market intelligence

Significant growth potential from Asian truck and bus tire market

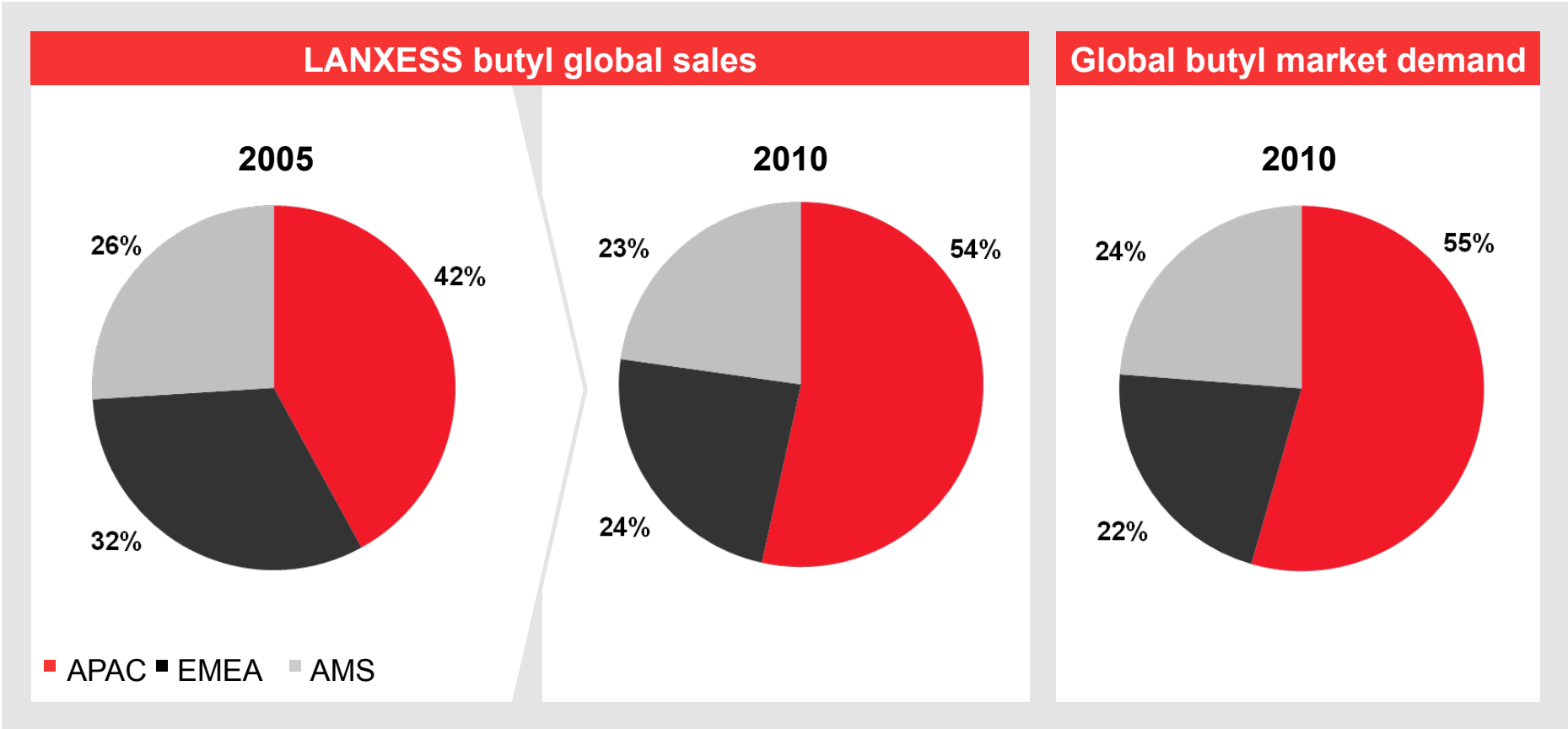


High market potential in Asian truck tire market

- Global truck tire markets:
 - 17% OEM, 83% replacement
 - Asia represents 62% of world truck tire production*
- Strong increase in demand for halobutyl rubber in truck tires due to:
 - substitution (radialization trend in Asia)
 - globally increasing road transportation combined with high replacement proportion

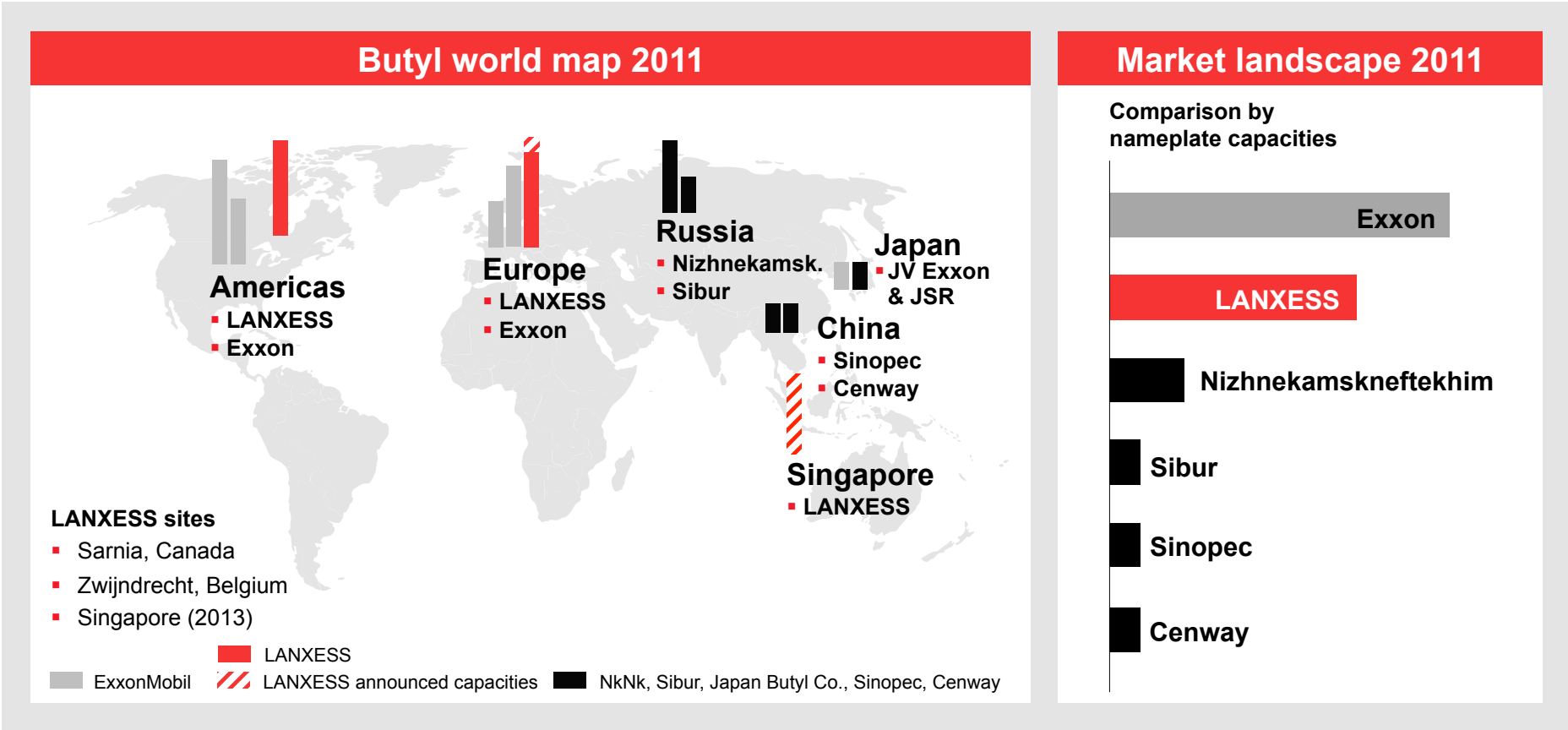
Note: Non-halobutyl part of innerliner contains: Processing aids, catalysts and additives; * LMC 2010

LANXESS – Continuously strengthening the presence in APAC



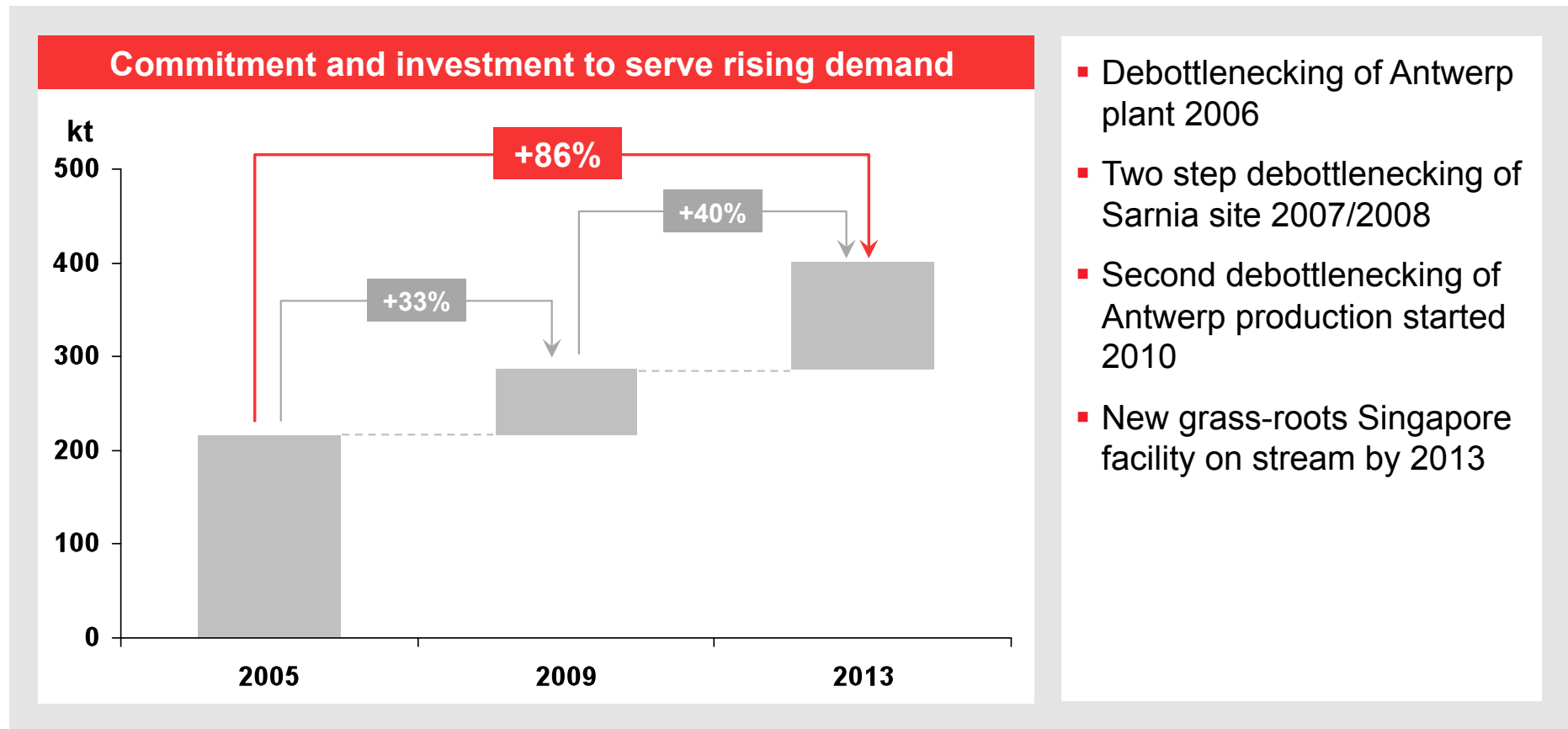
APAC – Asia Pacific, EMEA – Europe, Middle East, Africa, AMS – Americas; Source: LANXESS internal market intelligence

Investing to become the first supplier with a truly global manufacturing footprint for butyl rubber



Please note: Information and details are not to scale; Source: LANXESS internal market intelligence based on CMAI, SRI

By 2013 LANXESS will have invest over € 500 mn adding approximately 190 kt butyl capacity to the market



Source: LANXESS internal figures

Butyl rubber – Enabling future mobility

Markets grow – LANXESS prepared to serve ✓

Technical leadership will be strengthened ✓

Best-in-class technology with focus on innovative, resource efficient processes ✓

THE reliable long-term supplier for sustainable growth in Japan and globally ✓



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Energizing Chemistry

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