

Composites Market Development and Trends in Europe

Dr. Elmar Witten

AVK – Federation of Reinforced Plastics

EPTA – European Pultrusion Technology Association

Introduction

Who we are



Who is AVK?

- German Federation of Reinforced Plastics
- Founded in 1924 – Located in Frankfurt am Main, Germany
- Members along the entire value chain of Composites
- > 260 (inter)national member companies, > 1700 personal contacts
- Member of the European Composites Industry Association:



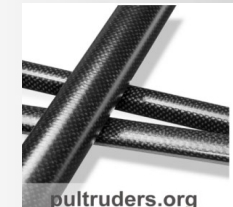
- AVK is the secretary of:



Who is EPTA?



- EPTA - The European Pultrusion Technology Association
- Created in 1989 by leading Pultruders in Europe
- Since 2006 EPTA is under the umbrella of AVK
- > 30 member companies across the whole value chain of pultrusion technology and production
- Organiser of the WORLD PULTRUSION CONFERENCE
- Member of the European Composites Industry Association:



The European Composites Market

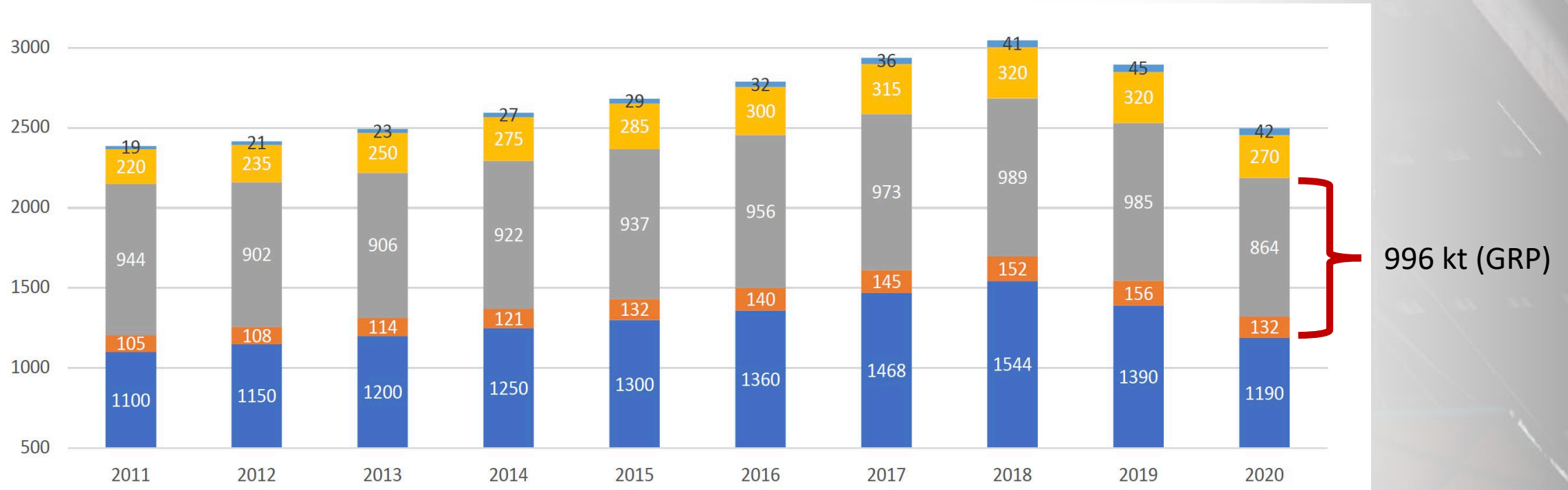
Market & Development

The Composites Market - Facts

- Worldwide composites market = 10-12 million tons
- Different regional development: Americas, Asia & Europe
- Europe: growing market with decreasing market share
- 2020: Largest market decline in Europe since the global economic crisis in 2008
- 95% of the reinforcements are Glass Fibers
- Carbon Fiber Reinforced Plastics: market share of 1-2% / highest growth rate
- Short Fiber Reinforced Thermoplastics are by far the biggest market segments
- Thermosets are the biggest group in the field of Long-/endless Fiber Systems

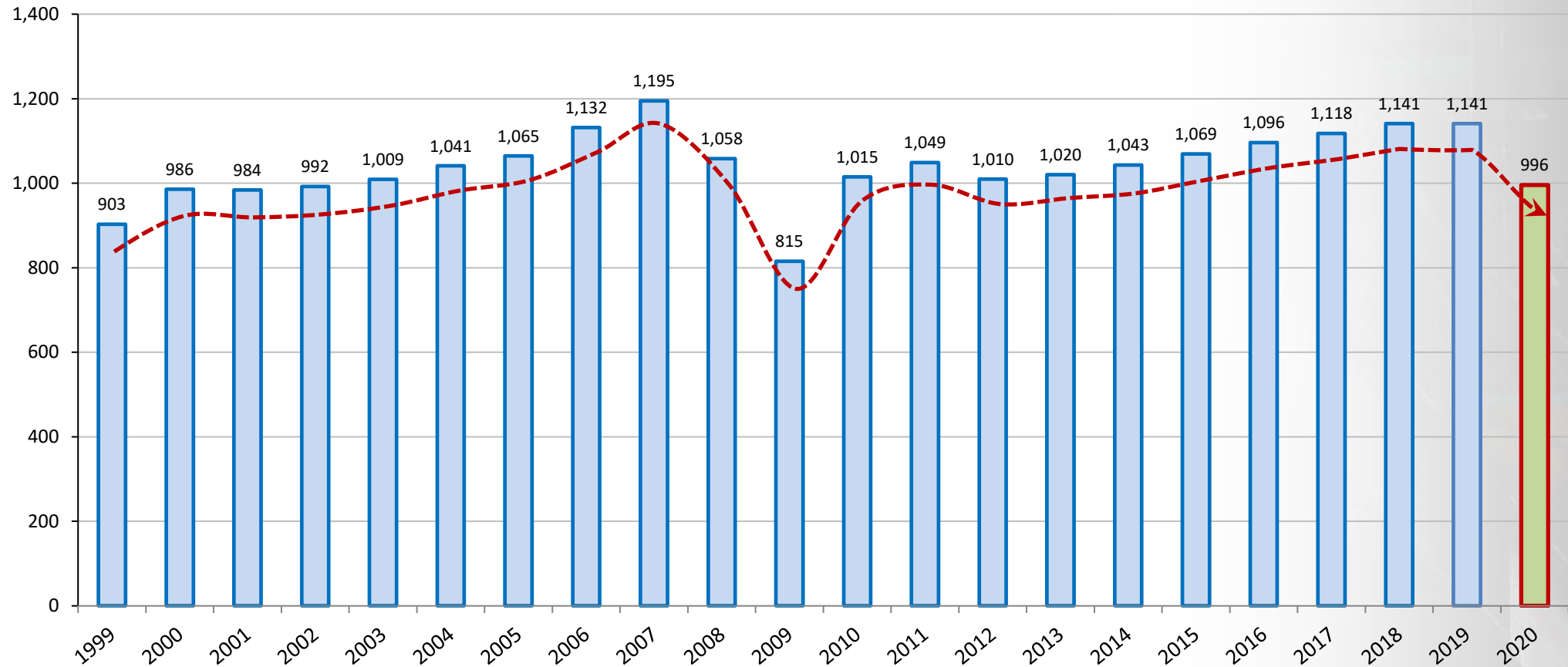


European Composites Market (kt)

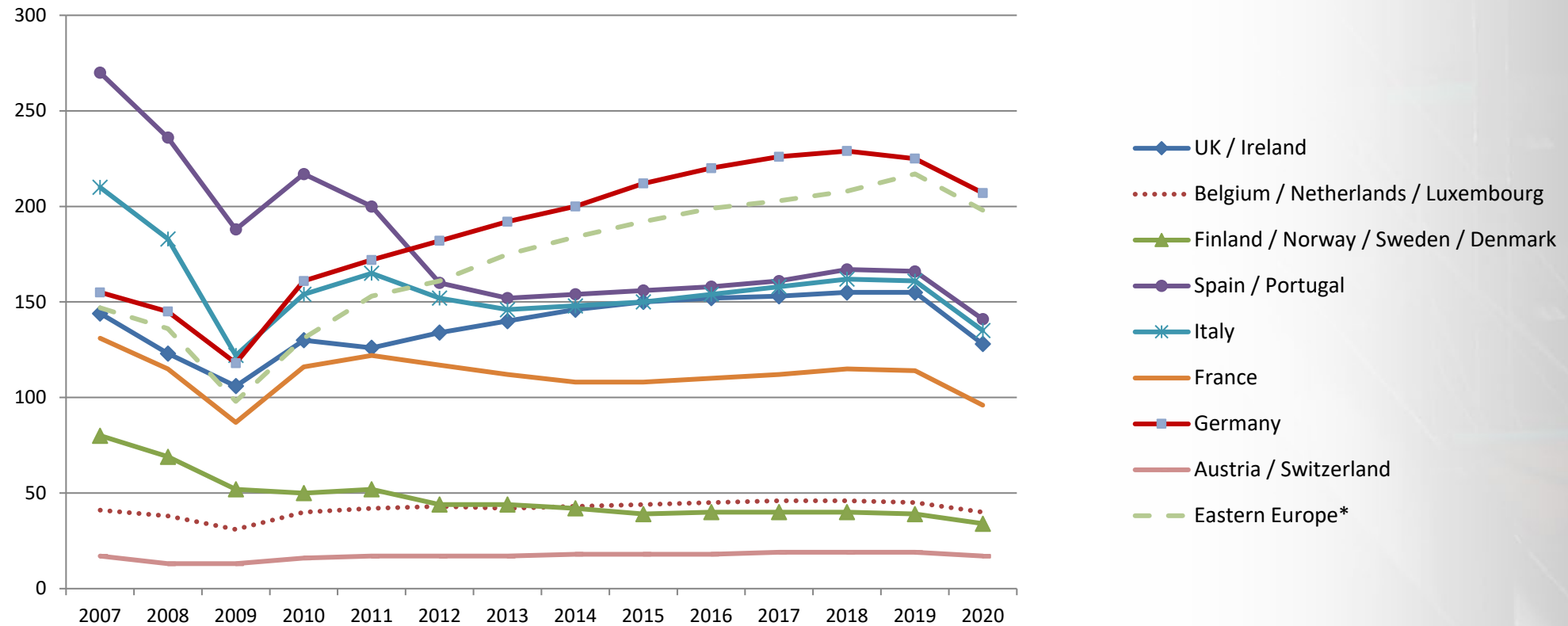


- Short Fiber Reinforced Thermoplastics
- Long-/endless Fiber Reinforced Thermoplastics (LFT/GMT/CFRTP)
- Long-/endless Fiber Reinforced Thermosets
- Non-Crimbed-Fabrics Thermosets
- Carbon Fiber Reinforced Plastics

GRP Production Europe (kt)

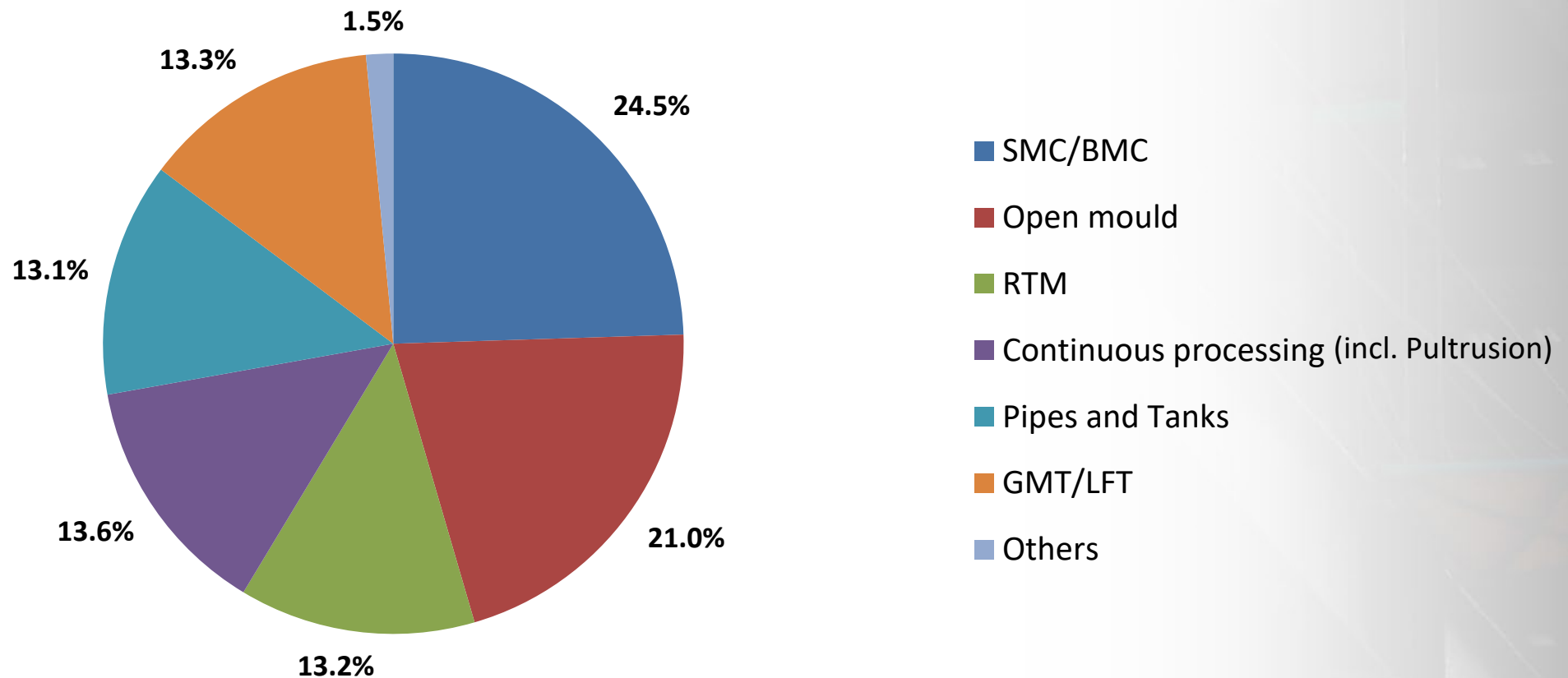


GRP Production Europe – Regions (kt)

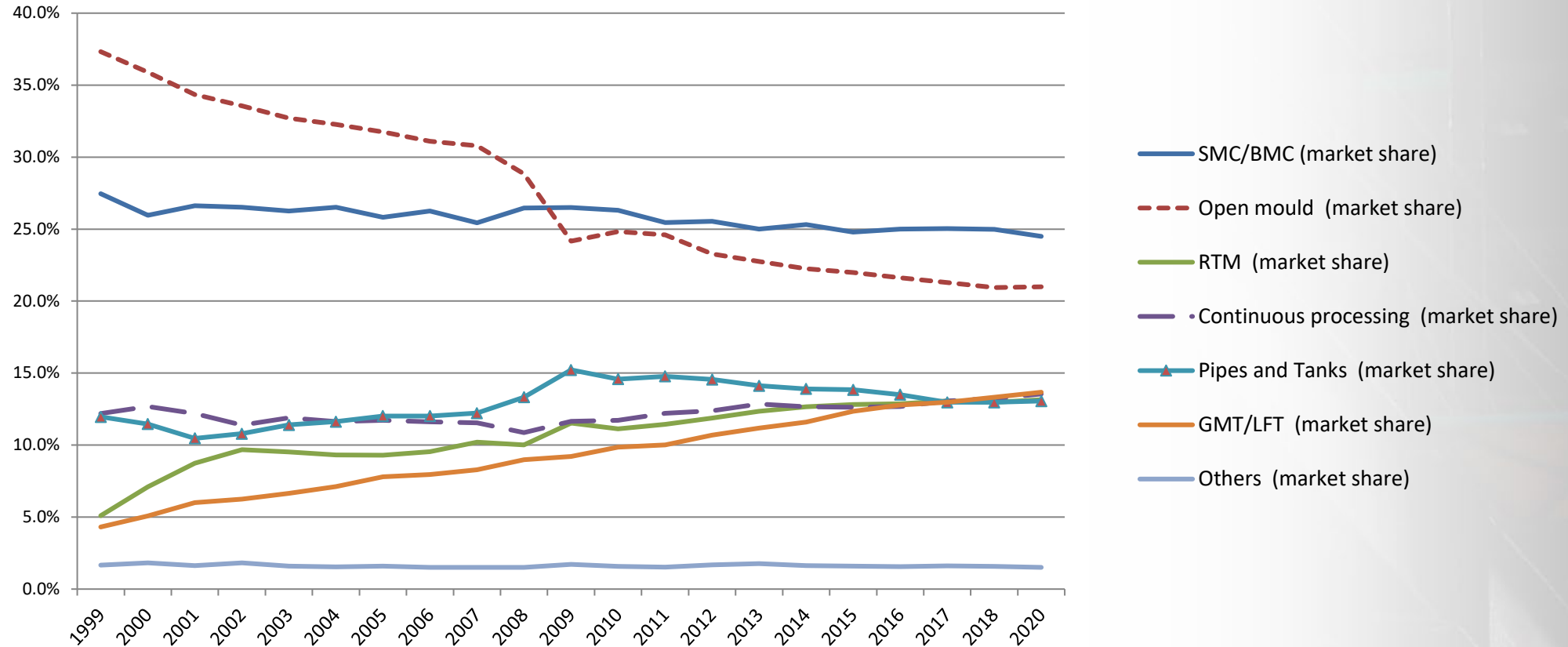


* Eastern Europe = Poland, the Czech Republic, Hungary, Rumania, Serbia, Croatia, Macedonia , Latvia, Lithuania, Slovakia, Slovenia

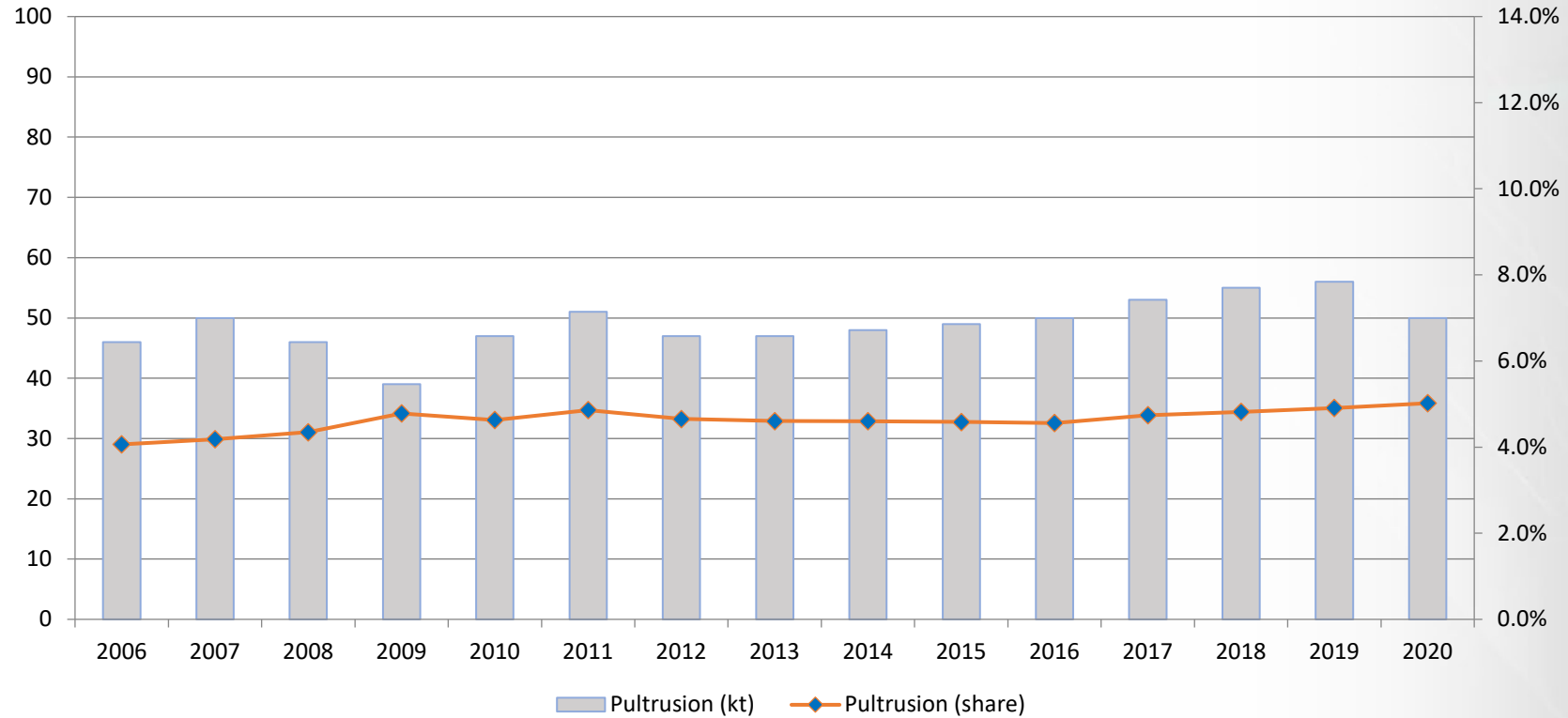
GRP Production Europe – Market Segments



GRP Production Europe – Market Segments



Pultrusion Market Europe

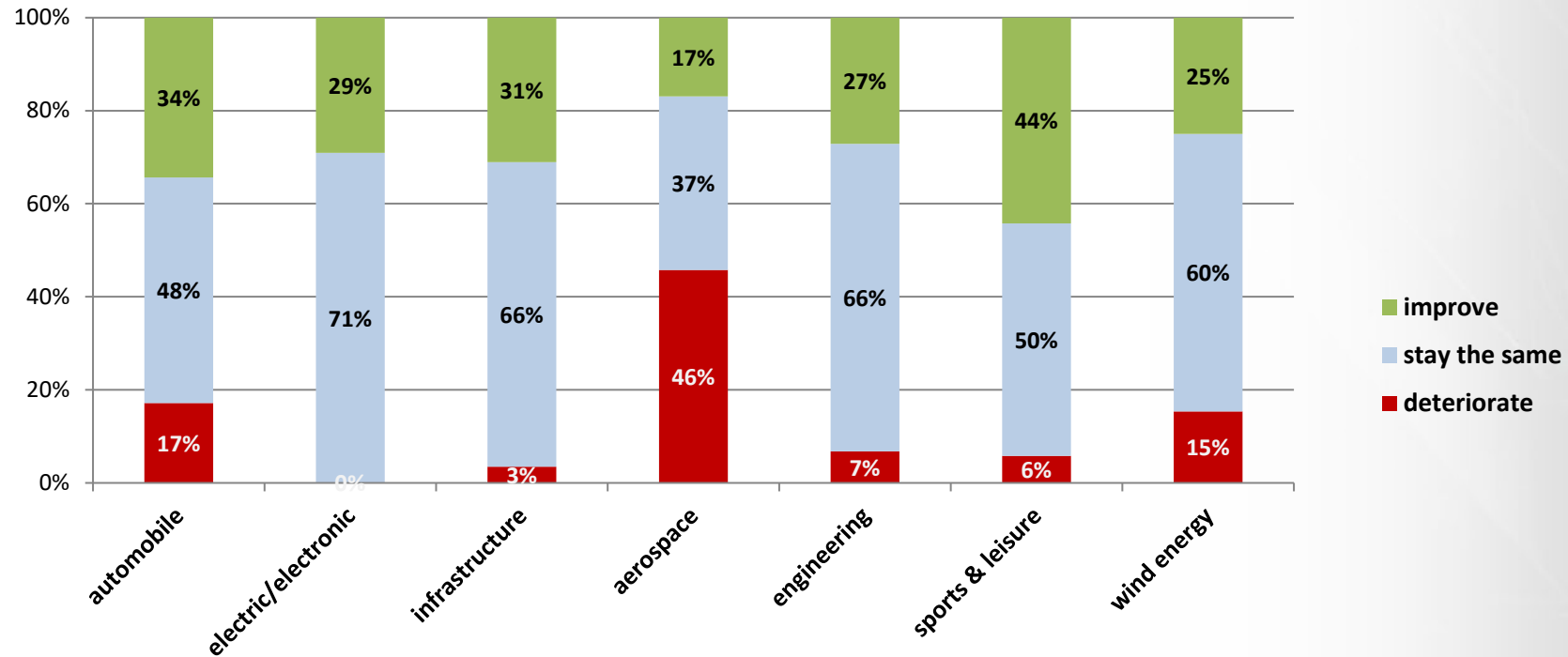


The European Composites Market

Future Expectations

Growth stimuli – areas of application

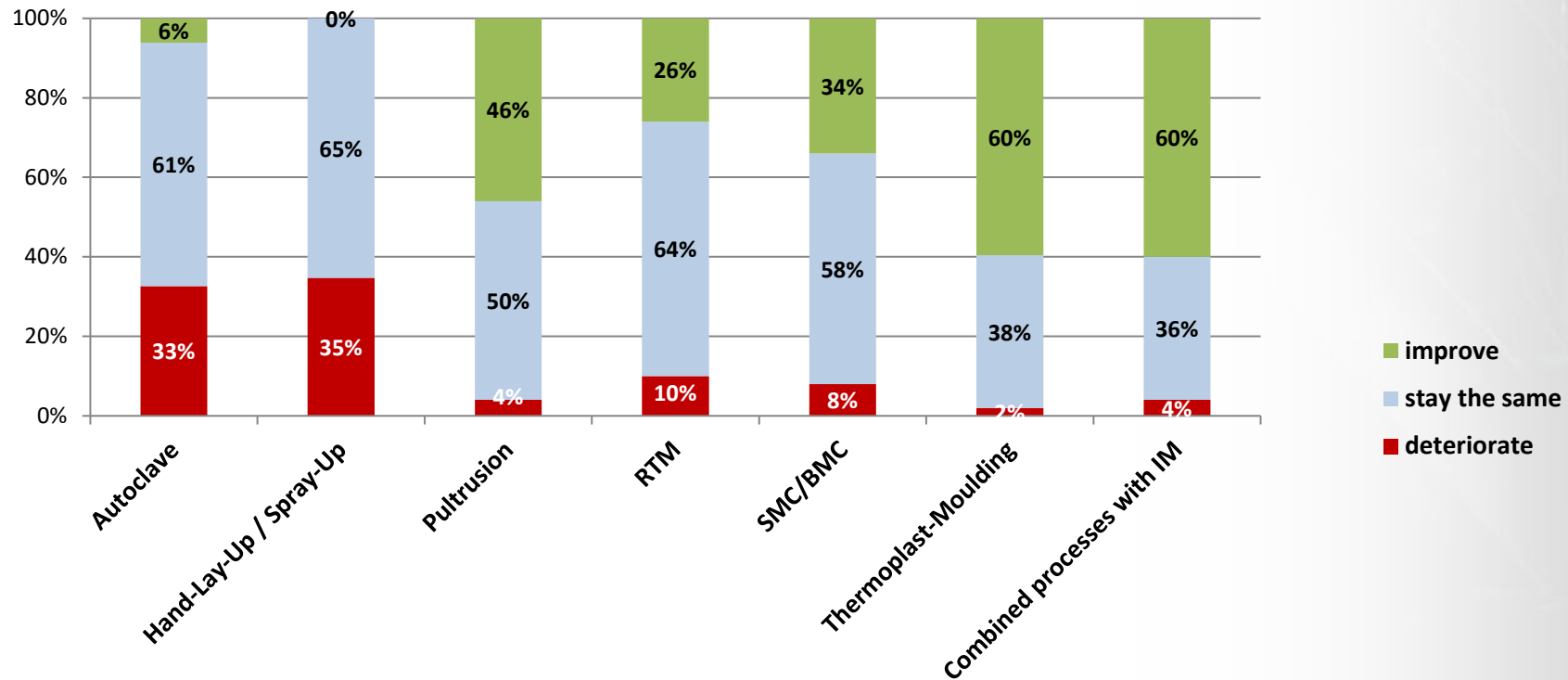
- Assessment based on a six-monthly market survey of Composites Germany



100% missing data resulting from rounding inaccuracies

Growth stimuli – processes

- Assessment based on a six-monthly market survey of Composites Germany



100% missing data resulting from rounding inaccuracies

Thanks a lot for your attention!

- Let's stay in contact -

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EPTA

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