The GRP / Composites Market

- Development, Trends & Market Drivers -

6th-7th of February, 2018 – TÜV Süd: „GFK-Unlimited“, Munich
Market Drivers – Transport

- Automotive:
  - Thermoplastic Materials: 🟢
  - Carbon “Hype”: 🔴
  - Increase of Multimaterial-Systems expected
  - “Renaissance” of “old” production methods (SMC)
  - Lightweight is ONE but not the only argument for Composites (E-Mobility, drive system, …)
Market Drivers – Transport

Aerospace:

- Composites as “standard” material
- Less price-sensitive than other markets
- Development of new serial process technologies blaze the trail for increase of usage
Market Drivers – Building & Construction

- Design freedom and material properties as key drivers
- Standardization as hurdle for usage of composites
- High future expectations: new markets / applications
- Showcase projects: lack of production volume
- Pultrusion & sheets: attract high attention
Market Drivers – Electro/Electronics & Others

- **Electro/Electronics:**
  - Focus on material properties
  - Material enhancement & new material developments

- **General:**
  - Knowledge about composites growths
  - Composites are ideal partners in Multimaterial-Systems
The Worldwide Composites Market (2016)

- Worldwide production volume ~ 9-10,000 kt grows
- European production volume ~ 2,800 kt grows
- Production share Europe declines
The European Composites Market (2016)

- Whole European Market ~ 2,800 kt (~ 1/3 world)
- Short Fiber Reinforced Thermoplastics 1,300 kt
- Glass Fiber Reinforced Plastics (GRP) 1,096 kt
- “Infusion” Market ~ 350 kt
- Carbon Fiber Reinforced Plastics ~ 35 kt
GRP Production Europe

Total GRP Market (kt)

2017 = estimated
GRP Production Europe – Development (kt)

- UK / Ireland
- Belgium / Netherlands / Luxembourg
- Finland / Norway / Sweden / Denmark
- Spain / Portugal
- Italy
- France
- Germany
- Austria / Switzerland
- Eastern Europe*

2017 = estimated

* Eastern Europe = Poland, the Czech Republic, Hungary, Rumania, Serbia, Croatia, Macedonia, Latvia, Lithuania, Slovakia, Slovenia
Thanks a lot for your attention!

- Let’s stay in contact -

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