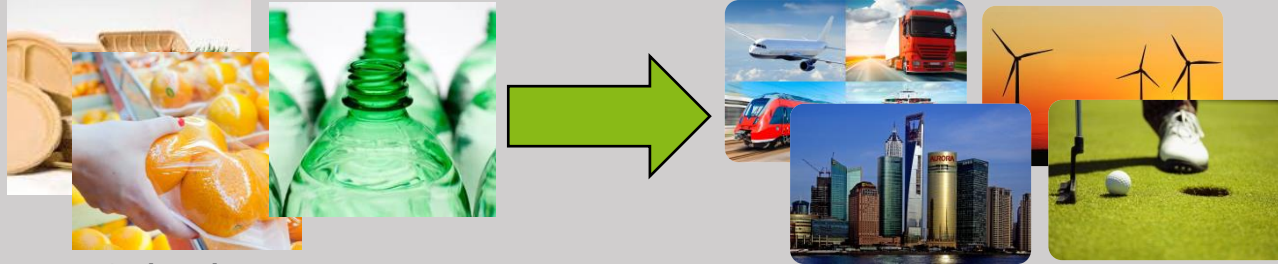


## Potentials for Bio-based Composites - Report



### The Objective:

Bio-based polymers are already established in the packaging industry, the further potential in industrial applications, especially in composites remains to be discovered. The project evaluated the potential for future applications of bio-based composites. It provides a comprehensive investigation and documentation on the current and future markets, an overview about technical challenges and requirements and analyses most promising applications within business cases.

### Our Content:

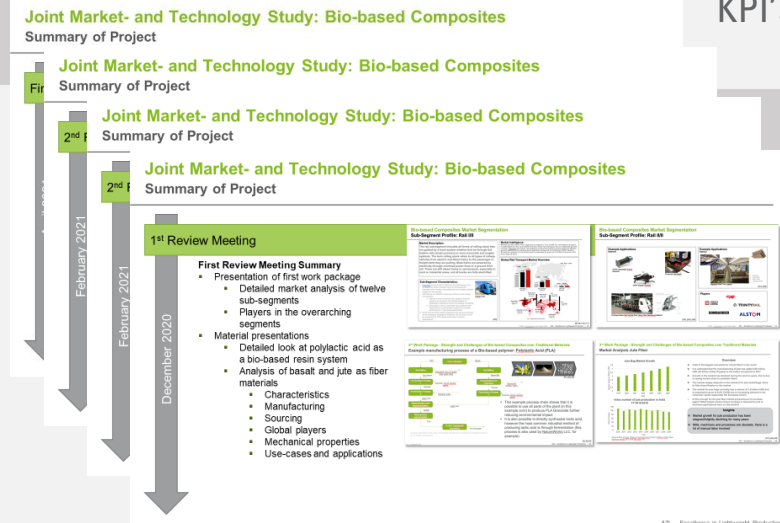
- Market segmentation and evaluation
  - Description, intelligence, characteristics, application examples etc.
- Material analysis of bio-based resin and natural fibers
  - E.g. sourcing, manufacturing, global players, properties etc.
- Comparison of conventional and bio-based materials
- Technological and economical component rating
- Business case analyses of selected applications, incl.
  - Comparison of competitive materials
  - Different processing scenarios
  - Cost and eco-KPI's evaluation with costing software OPLYSIS eco

### Your Benefits:

- Comprehensive report with 450+ pages
- Identification and evaluation of 4 major market segments with sub-segments
- Ecological and mechanical performance comparison of bio-composites and conventional composites
- Investigation of production technologies and materials for 30+ components
- In-depth business case analysis of four fiber applications with eco-



### KPI's



### Report costs

6,000.00 € (incl. workshop meeting with AZL expert)

Project duration: October 2020 – April 2021

**Please contact for information and individual offer:**

Alexander Knauff | Manager Industrial Services

Tel: +49 241 475735 16

Mail: alexander.knauff@azl-aachen-gmbh.de