



AZL Aachen GmbH in cooperation with

**AZL** **RWTHAACHEN**  
Aachener Zentrum für  
integrativen Leichtbau **UNIVERSITY**

Joint Market and Technology Study

## Composites in the Furniture Industry

**Your Contact: Markus Breiing**

Group Leader

Phone: +49 241 8024-522

[markus.breiing@azl.rwth-aachen.de](mailto:markus.breiing@azl.rwth-aachen.de)

### OBJECTIVE OF THE STUDY

**What does the furniture market look like and what potential composites offer for the furniture of today and tomorrow?** The AZL is investigating this question together with companies from the composite and furniture industry. The result will be an overview of the current market and the materials used to date as well as an outlook on future mass applications for fiber-reinforced plastics (FRP).

# Joint Market and Technology Study

## FURNITURE MARKET – SIZE AND GROWTH

- » It is forecast that the furniture market will grow at a CAGR of 4.27% during the period 2017-2021
- » Exemplary market size: US furniture market was worth \$114 billion in 2016
- » Exemplary market trends
  - Rising demand for multi-functional furniture
  - Rising demand for “smart” furniture

## PARTICIPATION FEE

The project will be elaborated and managed by two scientists/engineers. The participation fee is 6.000,00 €, excl. VAT

## SELECTED PROJECT PARTNERS



+ anonymous partners



## YOUR BENEFITS

### **As a Material Producer / Technology Provider**

- » Gain knowledge about the diversified market and status-quo technologies
- » Get into contact with potentially novel customers
- » Understand (& empower) your customers, their barriers and pain points
- » Find novel applications / business cases for composites

### **As a Furniture Designer / Manufacturer**

- » Be updated on the latest composite materials, with novel properties and advantages
- » Get into contact with innovative material suppliers
- » Generate with us new ideas for innovative furniture's



The ever-growing population number requires environmentally friendly material and a solution for the end of life treatment to recollect and reuse materials. For fast changing markets such as the furniture market, these materials also need to offer an enormous freedom of design. Arkema already answers this demand with the only liquid thermoplastic resin Elium® used as a thermoset resin to produce composite structural or aesthetical parts. With the joint study, we aim to identify specific applications in the furniture market to make use of material which is not limiting creativity or design specifications but rather enabling the future to be revolutionized.

**Virginia Bozsak, Technical Manager Composites ARKEMA Innovative Chemistry**