

AZL Aachen GmbH in cooperation with

**AZL**  
Aachener Zentrum für  
integrativen Leichtbau

**RWTHAACHEN**  
UNIVERSITY

January  
25<sup>th</sup>, 2018



# Composites in Buildings & Infrastructure

## Initial Open Workgroup Meeting

**January 25<sup>th</sup>, 2018**

Thursday

09:30 – 16:30 h

16:30 Optional Campus Tour

**Institute of Plastics Processing  
(IKV)**

Seffenter Weg 201

52074 Aachen (Germany)

Room: Hörsaal, Ground Floor

**Your Contact: Dr. Michael Emonts**

Managing Director of AZL

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Please note: New  
venue due to high  
number of participants

# Composites in Buildings & Infrastructure

## Overview and Scope

### BACKGROUND

AZL together with more than 25 companies just completed the Joint Market and Technology Study on “New Potentials for Composite Technologies in Buildings and Infrastructure” establishing a broad knowledge on business opportunities for composite technologies in these two growing markets. With the workgroup, we will take this initiative a step further with the aim to build a long-term cooperation platform for composites in Buildings & Infrastructure.

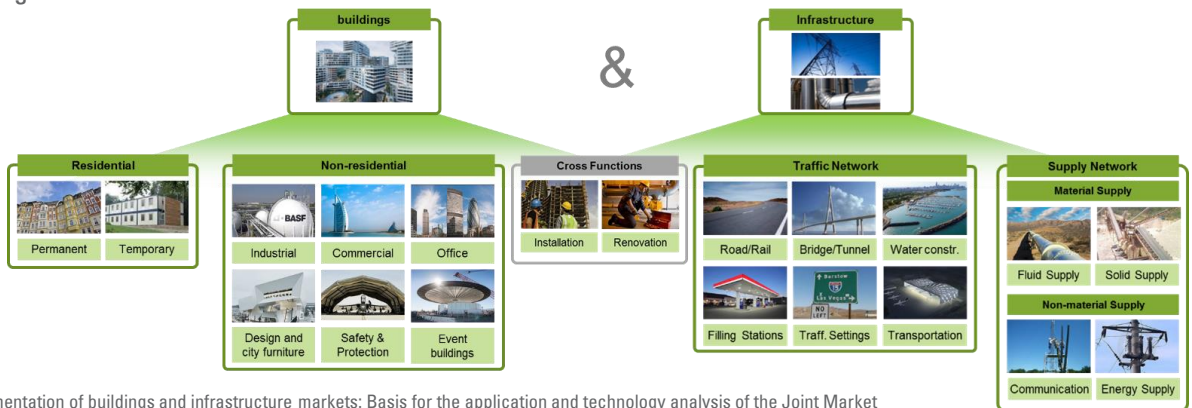


Fig: Segmentation of buildings and infrastructure markets: Basis for the application and technology analysis of the Joint Market and Technology Study. © AZL Aachen GmbH.

### SCOPE OF THE MEETING

The aim of the initial workgroup meeting will be to turn insights from the study into a long-term workgroup collaboration and to define topics and initiatives for the joint cooperation in the field of process and manufacturing technologies, fire safety regulations, materials as well as standards and norms. Industrial keynote presentations will introduce these action fields and will provide an insight into building and infrastructure applications for composites. The meeting will furthermore provide a platform to network with companies along the entire composite value chain.

#### Outcome of the Study

- 438 identified application for 20 market segments
- Technology analyses of 25 highlight components
- Analyses of 11 detailed business cases

### PARTICIPATION & REGISTRATION

The participation in this open workgroup meeting is open and free of charge for all companies involved or interested in composite applications for buildings & infrastructure. Upcoming workgroup meetings will be held exclusively for AZL Partner Companies.

- » Registration for AZL Partner Companies » [AZL Partner Section](#)
- » Registration for non-Partner Companies » [AZL Website](#)



# Composites in Buildings & Infrastructure

Agenda | January 25<sup>th</sup>, 2018

09:00	<b>Registration</b>
09:30	<b>Welcome and Introduction</b> Dr. Michael Emonts, Dr. Kai Fischer, Dr. Michael Effing, AZL
10:15	<b>New Potentials for Composite Technologies in Buildings and Infrastructure – Summary of the AZL Joint Market and Technology Study</b> Lukas Kalt, Conbility GmbH
10:45	<b>Introduction on Strategy for Workgroup “Composites in Buildings and Infrastructure”</b> Dr. Michael Emonts
11:00	<b>Keynote Presentation: Spaceframe – Innovative Composite Design is changing Staging Industry</b> Radek Michalik, Managing Director   RMC – Radek Michalik Consulting, Poland
11:20	Coffee Break
11:40	<b>Road Mapping   Introducing Keynotes</b> <ul style="list-style-type: none"><li>Composites in Future Smart Cities Mikko Lassila, Business Development   Exel Composites GmbH, Finland</li><li>Building Regulations – An overview over the most common Regulations in Europe Peter Kornas, Produktmanagement Fire Retardant Products   BÜFA Composite Systems, Germany</li><li>Thermoplastic Honeycomb Sandwich Panel Technology – Continuous Process Opens Door for Large Volume Applications Tomasz Czarnecki, Chief Operating Officer   EconCore NV, Belgium</li><li>Expanding the Design Space with organic Composite Façades and Interiors Dr. Tahira Ahmed, Director   Curve Works, The Netherlands</li></ul>
12:20	Networking Lunch
13:30	<b>Workgroup Road Map   Workshops in rotating Groups</b> <ul style="list-style-type: none"><li>Process and Manufacturing Technologies (e.g. Pultrusion, Resin Infusion Molding, Sandwich Technologies, Process Combinations)</li><li>Fire Safety Regulations</li><li>Materials (Thermoset, Thermoplastics, Hybrids)</li><li>Standard, Norms and Certification</li></ul> <div><b>Mission of the Workgroup</b><ul style="list-style-type: none"><li>Market-oriented networking</li><li>Identification of pre-competitive Topics</li><li>Joint Development of new Applications</li><li>Impulses for Research Institutes</li><li>Building Trust in Technology</li></ul></div>
15:30	Coffee Break
15:45	<b>Keynote Presentation: The Dubai Museum of the Future made with structural Composite Solutions</b> Dr. Amer Affan, Managing Partner and Founder of Affan Innovative Structures L.L.C., Dubai
16:15	<b>Outcome of Road Mapping Session/ Topics for 2018/ 2019</b>
16:30	<b>Optional Campus Tour: Visit of the Machinery Halls of AZL, IPT, IKV and ITA (End: 17:30 h)</b>