

# Composite Pipes and Vessels

## AZL Workgroup

### About this organisation

#### Machine translation

This profile has been machine-translated based on data provided in German.

The "Composite Pipes and Vessels" workgroup is an industrial working group of AZL partner companies and institutes that meet every six months for technology-oriented networking and to define joint pre-competitive research and development. Their business platform is currently being set up and will provide technology-relevant information such as use cases as well as contact to established suppliers and innovative partners.

In the "Pipes and Vessels" workgroup, all competences along the entire process chain are represented in the area of high-performance SMC systems: From raw material manufacturers to tool and machine manufacturers, Tier 1 and Tier 2 to OEMs, from small and medium-sized companies to large international corporations.

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North Rhine-Westphalia  
Germany

[www.lightweight-production.com/workgroups-and-workshops/](http://www.lightweight-production.com/workgroups-and-workshops/)



#### Organisation type

Cluster

#### Sectors



#### Employees

10 up to 49

#### Turnover

n/a

#### Funding

n/a

#### Main areas covered

FRP pressure vessels and pipes, Standardisation, Pre-competitive R&D co-operation, Technology-orientated networking, Business Development

#### Infrastructure

#### Certifications

#### Keywords

Automotive, oil, water, gas, Composite pipes and pressure vessels, Pressure Vessels, CNG tank

#### Memberships

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## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<b>Products</b> Parts and components, Semi-finished parts, Machines and plants, Software & databases, Systems and end products, Materials, Tools and moulds	✓	✓	
<b>Services &amp; consulting</b> Consulting, Testing and trials, Technology transfer, Maintenance and repair	✓	✓	
<b>Field of technology</b>			
<i>Design &amp; layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction &amp; factory automation</i>			
<i>Recycling technologies</i>			

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## Overview of lightweighting expertise

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Research      Development      **Manufacturing  
& Supply**

#### Manufacturing process

Additive manufacturing

Coating (surface engineering)

Fibre composite technology

Forming

Joining

Material property alteration

Primary forming

Processing and separating

Textile technology

#### Material

Biogenic materials

Cellular materials (foam materials)

Composites

Fibres

Functional materials

Metals

Plastics

Structural ceramics

(Technical) textiles

# Composite Pipes and Vessels

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## Contacts

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