The goal of the workgroup is to link the demands and requirements of OEMs and part manufacturers with the novel solutions of machine material and technology developers – basically connecting the market “pull” with the technology “push”. During the different meetings, the workgroup will more and more associate with technology decision makers.

**FOCUS OF THE WORKGROUP**

- Hydrogen economy
- Automotive & Truck
- Oil, water, gas
- Infrastructure
- Aerospace
- Chemical processing
- Scuber diving
- Renewable energy
- Construction
- Marine
- Industrial equipment

- Pipes and Pressure vessels technologies
- From fibers to semi-finished materials
- Production systems
- Design
- Certification and qualification
- Tools and equipment
Workgroup History

2014 - WORKSHOP SESSIONS
Pipes and Vessels were identified as potential and promising composite applications in the Market and Technology Study

2015 - WORKGROUP MEETINGS
Trends in the global market, comprehensive market screening, elaboration of technology catalogue to mass produce pipes and vessels (research demand), focused investigations on specific challenges

2015 - WORKGROUP LEADER
AZL Business Platforms were built in addition to the r&d activities of AZL workgroups and provide you with details on lightweight technologies: Get focused information on highlight lightweight technologies, find a broad range of service and products along the entire value chain, explore use cases to learn on present realized applications and technology solutions, contact your business partners for your individual lightweight solution.

2017 - UPCOMING ACTIVITIES
Visit www.composite-pipes-vessels.com

Connecting demands and requirements from the market and applications with the technologies of AZL consortium

More than 35 involved Partners with active participation

Business Platform “Composite Pipes & Vessels”

Visit us at www.composite-pipes-vessels.com

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YOUR CONTACTS AND MORE INFORMATION

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SPEAKERS
- Connector | Ashland | AFPT | IPT | ika | IKV | ITA | SLA
- Muratec | Telene | Philips Photonics | IKV
- ITA | ETC | IKV | IKV | Covess
- SLA | PEAK Technology | EOLIA Water | IPT | PULTREX
- DIEHL Aerosystems | Evonik | IKV | Georg Fischer AG | ITA
- Hexagon Composites | ISATEC | Roth Composites | FCI Fuel Cell Industrialization GmbH | ITA
- Plastic Omnium | IKV | ITA | Evonik | IPT | NPROXX

VARIOUS PRESENTATIONS ON STATE OF THE ART BY AZL

2020 - UPcoming Activities
- Focus on the topic of CAE, demonstration of the market groundwork study for the project on standards and testing procedures, voting components of highest interest
- Roadmapping on the future direction of the workgroup; Definition of topics; Extension of the network
- Joint workshop with consortium of amblIFibre project for development of adaptive model-based control for laser-assisted fiber-reinforced tape winding
- Focus on OMEs and Tier 1s and preperation of Customer Pain Point list

2020 - Workgroup will shift focus on status and upcoming developments and activities in hydrogen storage technologies
- Further deepening of the topic Hydrogen Pressure Vessels (incl. keynote presentations of OMEs & Tier 1s, Further topics: Braiding and Multi-Filament-Winding, Thermoplastic- and Thermoset-based Pressure Vessels, Multi-Material Designs, Hybrids in Pressure Vessels

2020 - Connecting demands and requirements from the market and applications with the technologies of AZL consortium