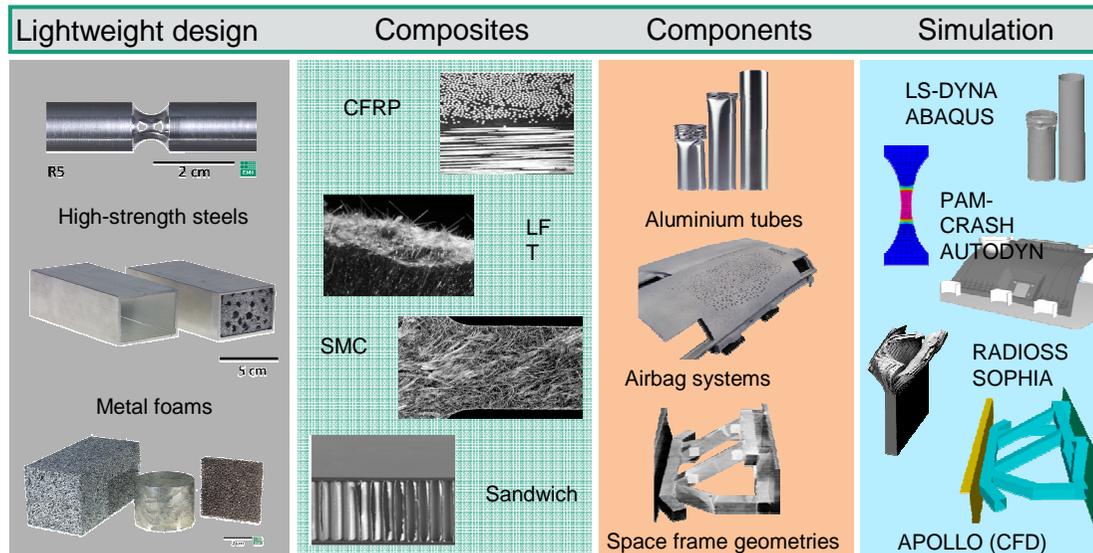


FP7 Transport Information Days

Sustainable Surface Transport

Topics and solutions from Fraunhofer EMI

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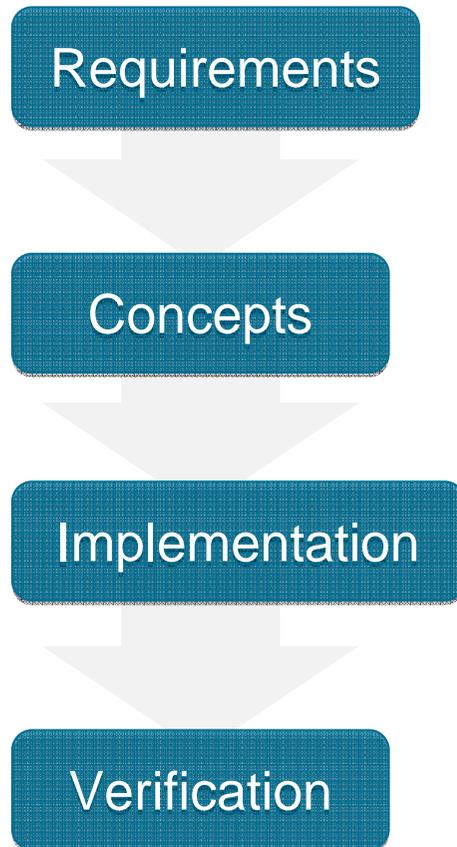
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benjamin.scharte@emi.fraunhofer.de

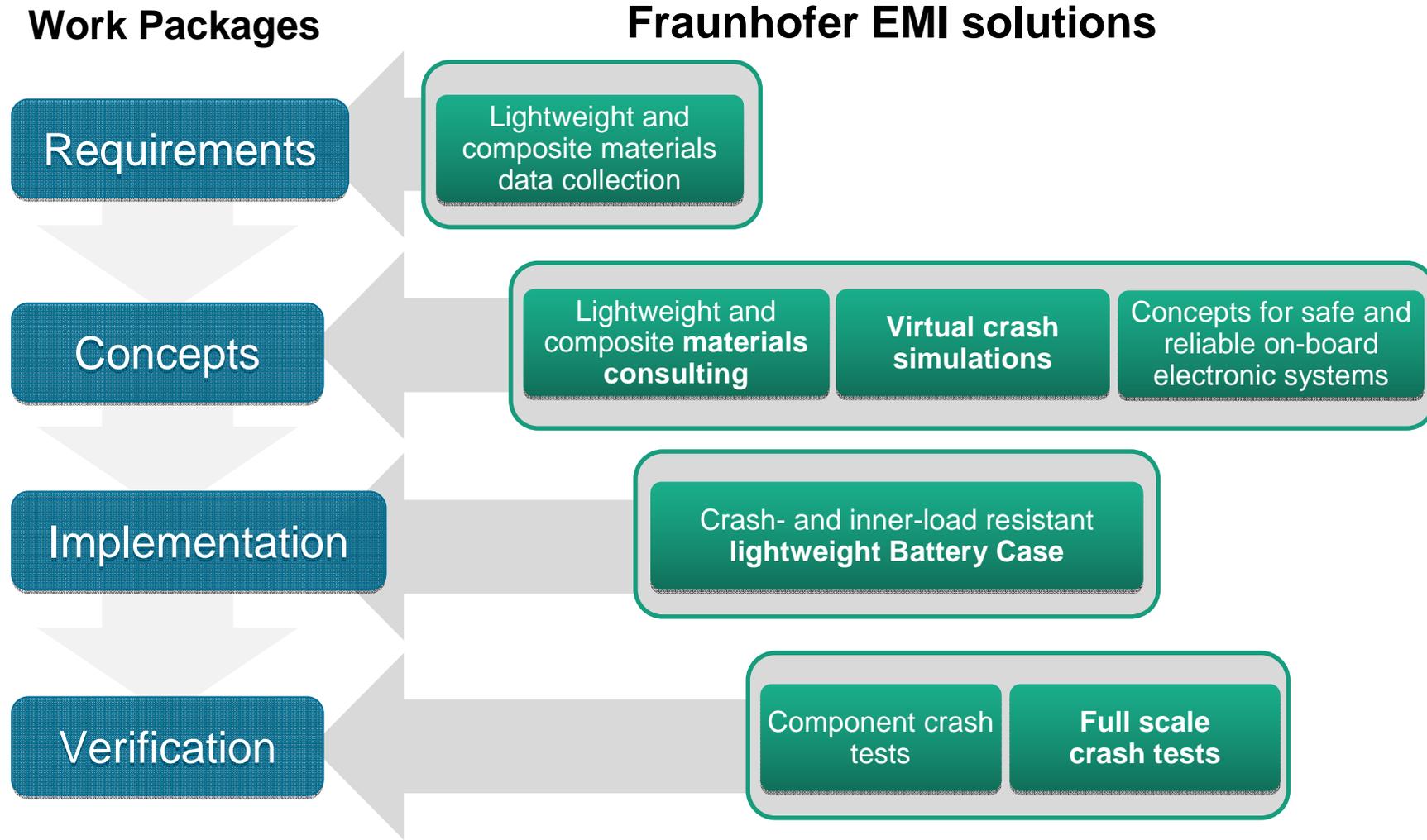
<http://www.emi.fraunhofer.de>

GC.SST.2013-3. Future light urban electric vehicles (FLUEV)

Work Packages

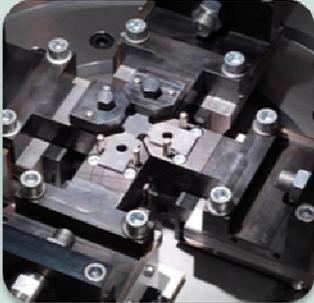
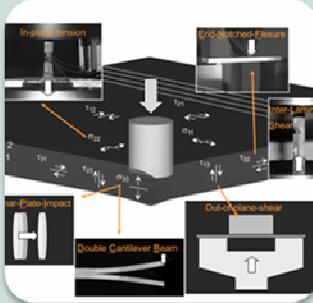


GC.SST.2013-3. Future light urban electric vehicles (FLUEV)



SST.2013.5-1. Technical requirements for the certification of new materials for railway rolling stock

Fraunhofer EMI solutions

<pre>*MATERIAL, NAME=Ma *ELASTIC 2402.0, 0.32 *PLASTIC, RATE=1000.0 25, 0.0 53, 0.02 48, 0.128 55, 0.2985 60, 0.398 67, 0.4975 74, 0.597 83, 0.6965</pre>			
<p>Lightweight & composite materials collection</p> <ul style="list-style-type: none"> • Modern steels • Aluminium • Composites • Metal foams • ... 	<p>Modelling and testing of material behavior</p> <ul style="list-style-type: none"> • From quasi-static to high speed dynamic loads 	<p>Bench-marking promising materials</p> <ul style="list-style-type: none"> • Knowledge transfer from auto-motive and aerospace industries 	<p>Certification of light-weight materials</p> <ul style="list-style-type: none"> • Safety of materials • Behavior of materials under dynamic loads