

About this organisation

Carbon Minds is a data analytics startup. We use our proprietary digital model of the global chemicals and plastics industry to offer our clients unprecedented levels of transparency about environmental impacts in global supply chains.

We bring down the cost of reaching climate targets by providing market intelligence that enables our clients to reduce their environmental impacts in the most cost-efficient way possible through the choice of suppliers. Our data covers thousands of suppliers, accounting for more than 80 % of the global greenhouse gas emissions due to chemicals and plastics production. In addition to providing data, Carbon Minds builds digital twins of complex integrated production sites and uses novel optimization approaches to identify cost-efficient transition pathways. As part of a project funded by the BMWi, we are using our digital model of the global chemical and plastics industry to support the development of ecologically beneficial polymers for use in resource-efficient lightweight construction.

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Main areas covered Life Cycle Data for chemicals , Life Cycle Data for plastics, Market intelligence in chemistry, Digital twins of chem. production

Infrastructure

Certifications

Keywords

Memberships



Organisation type

Small or medium-sized enterprise

Sectors

No specific sector

Employees

10 up to 49

Turnover

n/a

Funding

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
Services & consulting Consulting, Simulation		✓	✓
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
<i>Measuring and testing technology</i>			
<i>Modelling and simulation</i>			
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
<i>Forming</i>			
<i>Joining</i>			
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

Overview of lightweighting expertise

**Research Development Manufacturing
& Supply**

Material

Biogenic materials

Cellular materials (foam materials)

Composites

Fibres

Functional materials

Metals

Plastics

Structural ceramics

(Technical) textiles

Contacts

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