

About this organisation

Machine translation

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

Lignopure specialises in the processing of lignin, the main by-product of the pulp and 2G biorefinery industry, and its applications in high-quality products. Lignin is one of the main components of woody biomass and has great potential as an alternative, sustainable raw material in various material applications such as (bio)composites, foams, resin systems, textiles, etc.

Lignopure's expertise is the provision of ready-to-use lignins in powder form that are customised to the application. Selected lignins in the form of customised particles can be used, for example, as sustainable, functional fillers or thermoplastic components in PU foams, (foamed) composites, injection moulding, 3D printing, textiles, resin systems, coatings or adhesives. The main focus here is on utilising the natural functionalities of lignin in the product (ageing protection, mechanical strength, colouring, etc.). Lignopure makes its technology for lignin preparation and selection available to lignin producers and companies developing their own lignin-based innovations. Lignopure has experience in the upcycling of various types of lignin and supports individual development projects from the initial feasibility study and laboratory developments through to the first industrial prototypes and implementation.

Harburger Schloßstraße 6 - 12
21079 Hamburg
Hamburg
Germany
lignopure.com



Organisation type

Small or medium-sized enterprise

Sectors



Employees

10 up to 49

Turnover

n/a

Funding

About this organisation

Main areas covered	Lignin preparation
Infrastructure	Laboratory/analytics, lignin preparation
Certifications	
Keywords	Lignin
Memberships	Lignin Club, CLIB, Zellcheming e.V.

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products Materials	✓	✓	✓
Services & consulting Consulting, Testing and trials, Prototyping, Technology transfer	✓	✓	✓
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>			
Recycling technologies Upcycling	✓	✓	✓

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			
Others (Lignin)	✓	✓	✓
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals			
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

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