Fairventures Worldwide gGmbH

About this organisation

Fairventures Worldwide is a non-profit organization based in Stuttgart, Germany. We combine forestry and modern technologies to reforest degraded areas in the tropics. In cooperation with smallholder farmers in Indonesia and Uganda, we create sustainable forests from timber and food crops. These provide local people with a secure income, help to preserve biodiversity and counteract climate change.

- FVW have been involved with several other partners in a pilot project to create lightweight timber construction based on wood from reforested areas. The goal was to develop a sustainable wood construction system for the use in tropical countries made with locally available materials. A modular system was developed that is easy to implement and focuses on the use of lightwood which has many advantages, including the ability to grow quickly, to thrive on degraded soils, and material properties that lend themselves well to engineered timber products. - FVW is currently working on a project with few other organisations that focus on substitution of conventional materials (such as aluminium) in the automotive industry with lightweight indonesian species, transformers in harvested wood products, particularly plywood. In this project focus is CO2 reduction by replacing the energy intensive materials with biobased.

fairventures worldwide

Organisation type
Non-university research institution

Sectors
No specific sector

Employees
50 up to 249

Turnover
€2m - €10m

Funding

Hasenbergstraße 31
70178 Stuttgart
Baden-Württemberg
Germany
fairventures.org





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About this organisation

Main areas covered	Social forestry, Carbon credits
Infrastructure	lightweight house, lightweight materials
Certifications	PHINEO Wirkt-Siegel 2023
Keywords	Social forestry, NGO, Carbon removals certification
Memberships	Initiative Transparente Zivilgesellschaft (Transp, VENRO - Verband Entwicklungspolitik und Humanitäre

Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
Offer			
Products Materials	✓		
Services & consulting Training, Consulting, Distribution, Funding	✓	✓	
Field of technology			
Design & layout Lightweight manufacturing, Hybrid structures, Lightweight material construction	✓		
Functional integration			
Measuring and testing technology Environmental simulation	✓		
Modelling and simulation Life-cycle analysis	✓	✓	✓
Plant construction & automation			
Recycling technologies			

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Overview of lightweighting expertise

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

Contacts

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Contacts

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