

## 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.

Hasenbergstraße 31  
70178 Stuttgart  
Baden-Württemberg  
Germany  
[fairventures.org](https://fairventures.org)



**fairventures  
worldwide**

### Organisation type

Non-university research institution

### Sectors

No specific sector

### Employees

50 up to 249

### Turnover

€2m - €10m

### Funding



# Fairventures Worldwide gGmbH

## About this organisation

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

## Overview of lightweighting expertise

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

## Overview of lightweighting expertise

	Research	Development	Manufacturing & Supply
<b>Manufacturing process</b>			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			
<b>Material</b>			
<b>Biogenic materials</b>			
Wood	✓	✓	
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals			
Plastics			
Structural ceramics			
(Technical) textiles			

## Contacts

Contacts

Mr Wolfgang Baum

*Executive Director*

[wolfgang.baum@fairventures.org](mailto:wolfgang.baum@fairventures.org)