International Centre for Sustainable Development (IZNE)

Bonn-Rhine-Sieg University of Applied Sciences

About this organisation

Machine translation

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

The International Centre for Sustainable Development (IZNE) at Bonn-Rhein-Sieg University of Applied Sciences is involved in projects relating to sustainability at both regional and international level. To this end, problems and developments are viewed holistically and solved in an innovative and interdisciplinary manner. To this end, technical, scientific, economic and intercultural expertise is pooled.

With the joint project "Next Level Lightweight Production (NeLiPro)", which is funded by the BMWi, the IZNE is working on the ecological analysis and evaluation of hybrid lightweight products and their manufacturing processes. The standardised life cycle assessment method can be used to identify possible resource consumption and potential environmental impacts of products and processes along their life cycle. This makes it possible to design sustainable lightweight alternatives with suitable measures at an early stage of development.

Grantham-Allee 20
53757 Sankt Augustin
North Rhine-Westphalia
Germany
www.h-brs.de/de/izne

Organisation type
University or higher education institution

Sectors
No specific sector

Employees
10 up to 49

Turnover
n/a keinen Umsatz

Funding

Main areas covered	Sustainable developments, LCA
Infrastructure	
Certifications	
Keywords	Sustainability, life cycle assessment, LCA
Memberships	

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products			
Services & consulting Consulting	✓	✓	✓
Field of technology			
Design & layout			
Functional integration			
Measuring and testing technology			
Modelling and simulation Others (Ecological life cycle analyses of lightweight products using the standardised life cycle assessment method)	✓		✓
Plant construction & automation			
Recycling technologies			

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

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Contacts

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