Tasks

- Central coordination of lightweighting in Germany
- Political backing for cross-sectoral technology transfer
- Elaboration of practical guidelines for industry and government
- Support with a focus on small and medium-sized companies
- Publication of examples of best practice
- Initiation of national and international cooperation

Instruments

Lightweighting Initiative Coordination Office - national and international networking hub for lightweighting in Germany

LEICHTBAUATLAS – Lightweighting Map interactive website for presenting and researching tailor-made lightweighting expertise at www.leichtbauatlas.de

Lightweighting Forum – Round table with representatives of industry, research, government and administration

Information platform – Website of the Lightweighting Initiative to accelerate transfer of expertise and networking: www.initiativeleichtbau.de

Strategy circle Lightweighting of Federal Organizations – is a strategy, material, industry and transnational strategy committee as the voice of all around the topic of lightweight construction committed federal states

Advisory board of the Initiative Lightweighting – is a cross-material and cross-sector advisory body as the voice of the industry involved in lightweight construction

Contact

Lightweighting Initiative Coordination Office
c/o innos GmbH
Kurfürstendamm 11, 10719 Berlin
Visiting address:
Kantstrasse 164, 10623 Berlin
Phone: +49 30 2463714-0
gsl@initiativeleichtbau.de

Publication data

Publisher
Federal Ministry of Economics and Energy
11019 Berlin
www.bmwi.de

Status
March 2020

Printed by
MKL Druck, Ostbevern

Picture credits
M_Gudellaphoto - Fotolia.com (aircraft)
iStock - 157636903 (cover picture)
Pixabay - ball-597523 (ball)
Current situation / target

Lightweighting – i.e. lightweight construction, materials and design etc. – is of pivotal importance for the competitiveness of German industry. Lightweighting involves various cross-sectoral challenges such as the reorganization and the controlling of the entire value-added chain throughout the life-cycle of a product. At the same time lightweighting offers enormous potential, creating high expectations of the strong impact it will have on German industry.

With a view to bringing together all the activities relating to this field, the Federal Ministry for Economic Affairs and Energy (BMWi) has set up the Lightweighting Initiative Coordination Office in Berlin. Part of the Lightweighting Initiative, the Coordination Office is a national and international networking hub and assists German businesses, and particularly German medium-sized companies, as they implement lightweighting in their operations.

What does lightweighting mean?

Lightweighting is a philosophy which aims to reduce weight at the same time as retaining and even improving functionality. It cuts the manufacturing and usage costs of a product, for example in the fields of automotive and aerospace construction, machinery and plant engineering, and in the building industry. Lightweighting is resource-efficient and energy-efficient and thus helps to protect our climate. The lightweighting value chain consists of a huge number of technologies, materials and manufacturing processes and their respective players.