



Federal Ministry
for Economic Affairs
and Climate Action

Foreign Market Entry Programme & The Lightweighting Initiative

Tallinn, 15th May 2024

Gabriel Schmid

Division IVB4 Construction industry, lightweight construction/new materials and resource efficiency

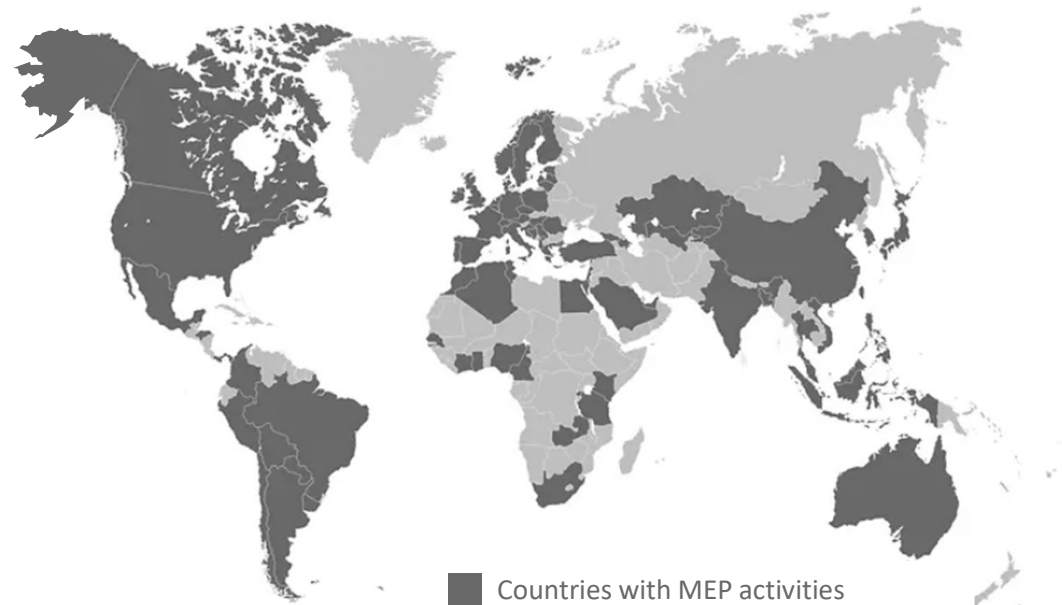
Federal Ministry for Economic Affairs and Climate Action

Agenda

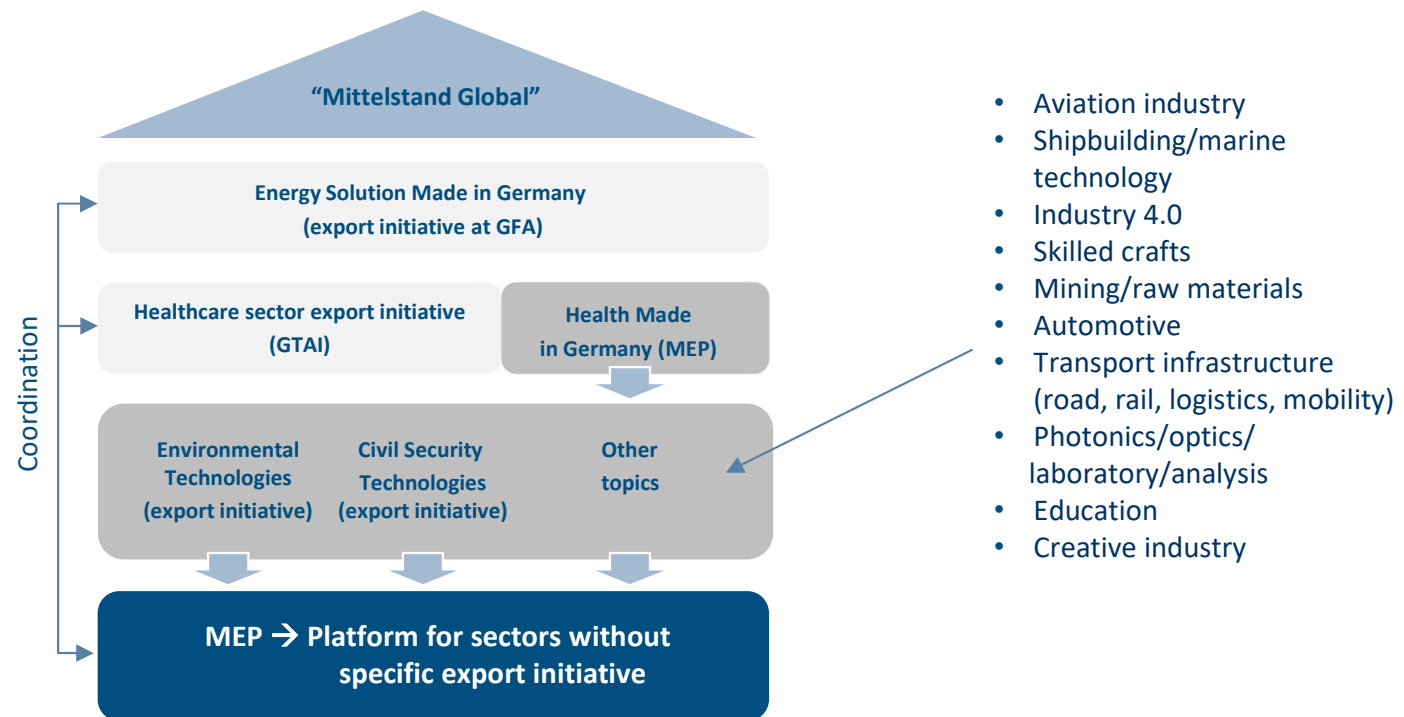
- 1. The Federal Ministry for Economic Affairs and Climate Action, Foreign Market Entry Programme**
2. The Lightweighting Initiative: Enabler for resource conservation and climate change mitigation
3. Cooperation opportunities Germany - Estonia

Market Entry Programme – in brief

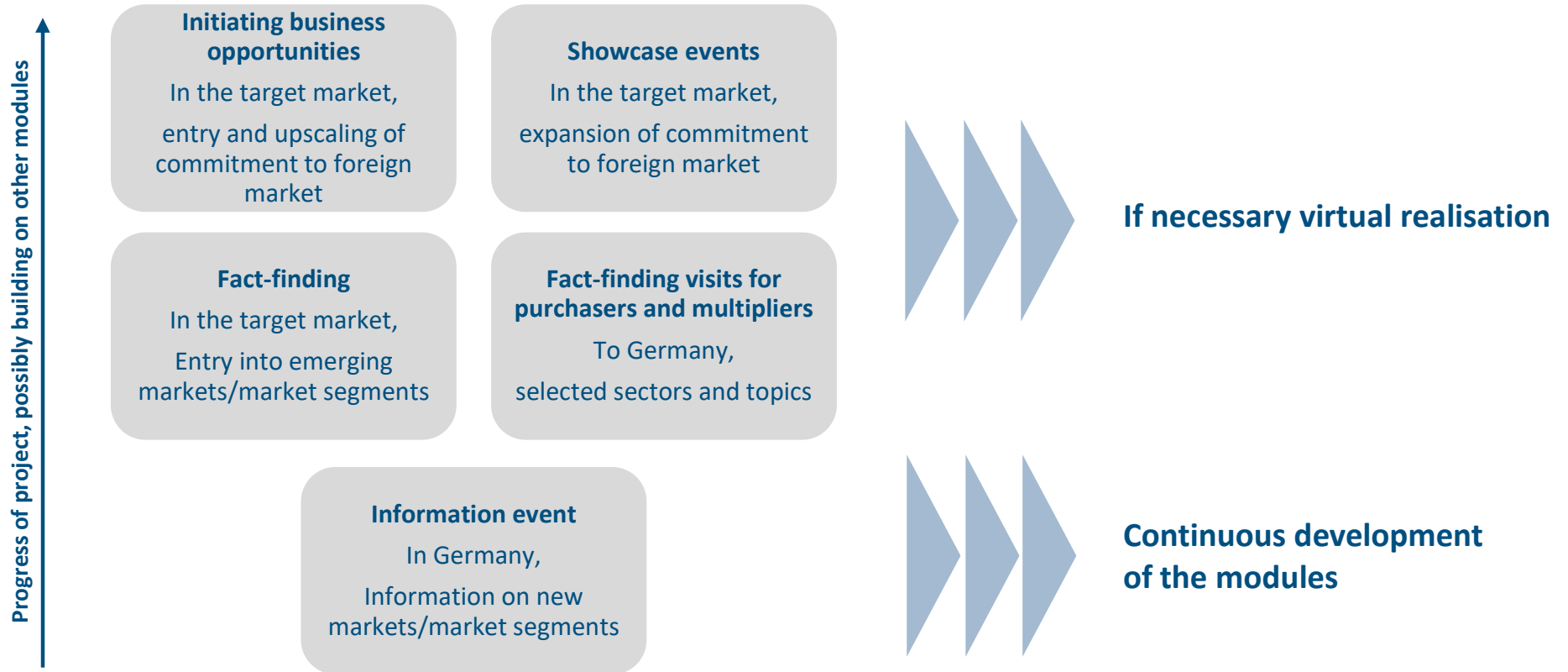
- Focus on selected market-related and SME-related issues with a regional and sectoral focus
- High quality and sustainability and proven high impact
- Fast response and practical realisation of trends and developments; clear inclusion of SME interests
- Intensive mentoring by experienced organizers



The Market Entry Programme for SMEs in the context of foreign trade and investment promotion



5 modules: uniform, transparent, flexible



Contacts

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Agenda

1. The Federal Ministry for Economic Affairs and Climate Action, Foreign Market Entry Programme
2. **The Lightweighting Initiative: Enabler for resource conservation and climate change mitigation**
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What is lightweighting?



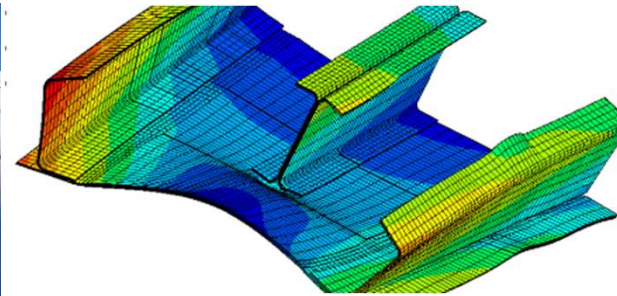
Material reduction: lower quantities of raw materials required in design and manufacturing



leichtbauwelt.de/betonbruecken-mit-filigranen-leichtbau-strukturen/



hamburg-aviation.de/hamburg-aviation-green-projekt/airbuszeroe.html



leichtbauwelt.de/3d-druck-grossformatiger-objekte-im-pem-verfahren/



Lower weight and density = less energy required for use



The Lightweighting Initiative

www.initiative-leichtbau.de

- Coordination
- Strategy
- Funding programme
- Networking
- Internationalisation

5th Lightweighting Summit

23 April 2024

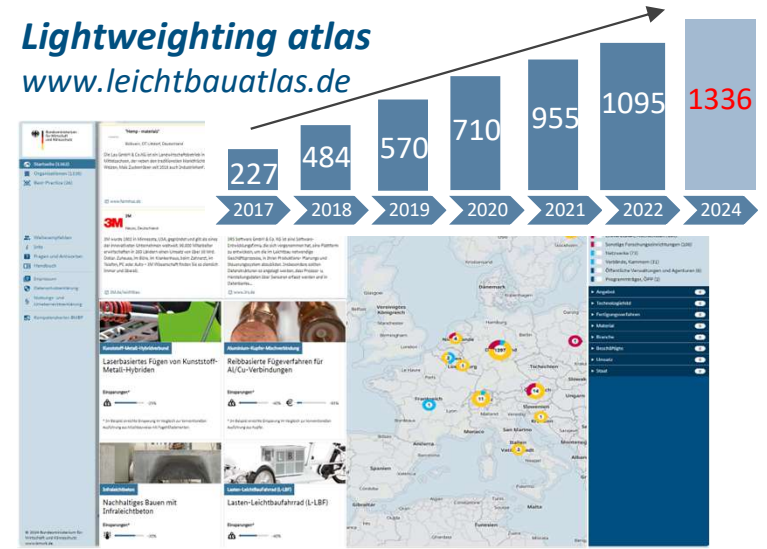
HANNOVER MESSE TRADE FAIR



Photo: 5th Lightweighting Summit
 Udo Philipp, State Secretary at the Federal Ministry for Economic Affairs and Climate Action
 © Carsten Herwig Fotografie

Lightweighting atlas

www.leichtbauatlas.de



Reference: Lightweighting atlas – last updated : 04/2024

The lightweighting activities of the Federal Ministry for Economic Affairs and Climate Action are based on the Lightweighting Strategy.

Strategic advisory council

Representatives of the states LW organizations



Representatives of industry, unions and associations



Lightweighting Atlas – Interactive networking portal

www.leichtbauatlas.de/en



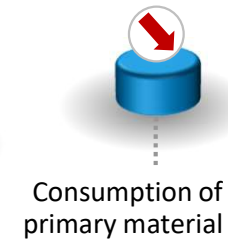
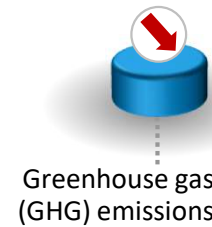
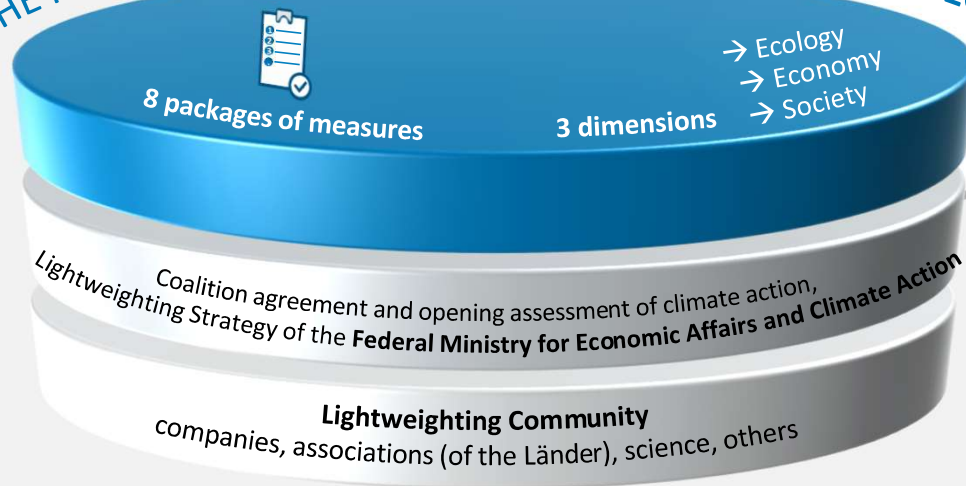
Reference: Lightweighting atlas – last updated : 02/2024

THE ADVANTAGES AT A GLANCE

- ➔ **Germany** is made visible as a **centre for lightweight construction**
- ➔ **About 1.350** certified **organisation profiles** from Germany and ten other countries
- ➔ Targeted **matching** between partners from science and industry
- ➔ Publication of **best practice examples**
- ➔ Increasing **internationality** by English-language profiles

The Lightweighting Strategy of the Federal Government

THE FEDERAL GOVERNMENT'S LIGHTWEIGHTING STRATEGY



THE USE OF LIGHTWEIGHTING

- more understandable
- more conscious
- more feasible

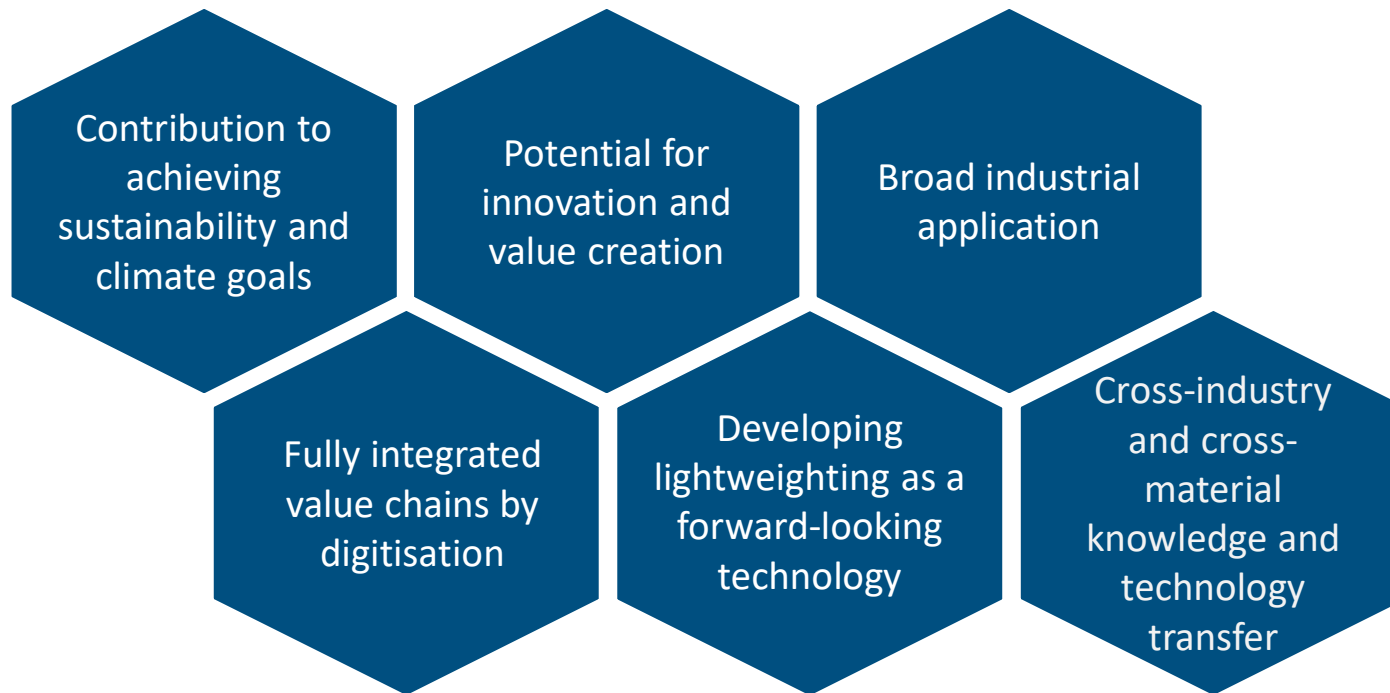
Packages of measures of the Federal Government

- 1 **Promote** lightweighting **across ministries** along the entire innovation chain.
- 2 **Continue** and accelerate the **transfer of knowledge and technology**.
- 3 Guide implementation through **regulation and public procurement** .
- 4 Support innovation through **standardisation**.

- 5 Support **economic resilience** and **technological independence**.
- 6 **Make the economic significance and ecological effects** of lightweighting **measurable**.
- 7 Make the **benefits** of lightweighting **visible to consumers** and **promote professional networking** in lightweighting.
- 8 Expand **promotion of international cooperation** and **market development activities**.



Technology Transfer Programme (TTP) for Lightweighting



PROJECT MANAGEMENT JÜLICH

International activities of the Federal Ministry for Economic Affairs and Climate Action

Foreign Trade Fair Programme (AMP)

- Joint Economic Affairs Ministry stand:
„Sustainable Lightweighting Made in Germany“
- 2023 und 2024: Automotive Lightweight
Technology Expo Tokyo, Japan
- 09/2024 K-Mtech
Seoul, South Korea
- 09/2024 CAMX
San Diego, USA

The Market Entry Programme (MEP) for SMEs

- 2023: France, Poland
- 2024: Estonia, France, Czech Republic
- **MEP Cooperation project:**
South Korea - Mobility sector
(2022 - 2024)

Objectives

- Networking of European lightweighting players
- Establishing lightweighting as a transformation technology for the European Green Deal

Activities

- European lightweighting strategy
- Joint research agenda
- Lightweighting hub in Brussels
- Transnational research funding

► White Paper Lightweighting for Climate Actions

Partners

- public administrations
- currently: Austria, Sweden, Germany, Belgium, Spain, Slovakia

ELN Meetings

- 1st meeting during the German EU Council Presidency on October 21, 2020
- 2nd meeting on September 23/24, 2021 in Vienna
- 3rd meeting on June 8/9, 2023 in Stockholm
- 4th meeting on May 28/29, 2024 in Liege, Belgium
- 5th meeting in Spain in 2025 in planning

Agenda

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3. **Cooperation opportunities Germany - Estonia**

Cooperation opportunities Germany - Estonia

1. Continuously use and expand the MEP & MEP-collaborative project
2. Use and expand the Lightweighting Atlas  LEICHTBAUATLAS DE
3. Consolidate and expand the European Network Meeting on Lightweight  ELN EUROPEAN LIGHTWEIGHTING NETWORK

Thank you for your attention!

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Information on the 'Lightweighting Initiative'

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www.ptj.de/projektfoerderung/ttp-leichtbau