

## About this organisation

### Machine translation

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

NVGTR Gbr is a Munich-based future lab. Founded in 2014 by designers Dominik Meier, Dirk Licht and Christian Jurke, the product innovation and design studio and its team develop characterful, sustainable visions and concepts for international customers from the mobility, everyday goods and medical sectors. The focus of their creative work is on future, realisable and circular products and solutions.

Design thinking processes and methods such as Vision in Product (TU Delft/NVGTR) allow a well-founded evaluation and focus strategy for lightweight construction challenges when developing new solutions, in addition to the life cycle assessment. The outstanding material expertise from the various industries served and the competence in AI-supported computational design development allow for constructive and aesthetic innovations. Methods, processes and solution spaces for various research projects for the EU and different ministries in the research alliance, as shown by outstanding, award-winning product results for the various industries, sustain this strategic approach. More and current projects at: [www.wearenavigator.com](http://www.wearenavigator.com)

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[www.wearenavigator.com](http://www.wearenavigator.com)

### Main areas covered

Urban Mobility / Transportation / Public Transport

### Infrastructure

### Certifications

### Keywords

Computational Design / Circular Economy / LCA

### Memberships

# N V G T R

### Organisation type

Small or medium-sized enterprise

### Sectors



Others: Konsumgüter

### Employees

Up to 9

### Turnover

Up to €2m

### Funding

## Overview of lightweighting expertise

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|                                                                                                                                                 | Research | Development | Manufacturing<br>& Supply |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|---------------------------|
| <b>Offer</b>                                                                                                                                    |          |             |                           |
| <b>Products</b><br>Systems and end products                                                                                                     | ✓        | ✓           |                           |
| <b>Services &amp; consulting</b><br>Consulting, Testing and trials, Prototyping,<br>Simulation, Others (Innovation & Design)                    | ✓        | ✓           |                           |
| <b>Field of technology</b>                                                                                                                      |          |             |                           |
| <b>Design &amp; layout</b><br>Lightweight design, Hybrid structures,<br>Lightweight construction concepts, Lightweight<br>material construction | ✓        | ✓           |                           |
| <b>Functional integration</b><br>Media conductivity                                                                                             |          | ✓           |                           |
| <b>Measuring and testing technology</b><br>Environmental simulation                                                                             |          | ✓           |                           |
| <b>Modelling and simulation</b><br>Life-cycle analysis, Processes                                                                               |          | ✓           |                           |
| <b>Plant construction &amp; automation</b><br>Robotics                                                                                          | ✓        |             |                           |
| <b>Recycling technologies</b><br>Downcycling, Material separation, Recycling,<br>Upcycling                                                      | ✓        | ✓           |                           |

## Overview of lightweighting expertise

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|                                     | Research | Development | Manufacturing<br>& Supply |
|-------------------------------------|----------|-------------|---------------------------|
| <b>Manufacturing process</b>        |          |             |                           |
| <b>Additive manufacturing</b>       |          |             |                           |
| 3D printing                         | ✓        | ✓           |                           |
| Coating (surface engineering)       |          |             |                           |
| Fibre composite technology          |          |             |                           |
| Forming                             |          |             |                           |
| Joining                             |          |             |                           |
| Material property alteration        |          |             |                           |
| Primary forming                     |          |             |                           |
| Processing and separating           |          |             |                           |
| Textile technology                  |          |             |                           |
| <b>Material</b>                     |          |             |                           |
| Biogenic materials                  |          |             |                           |
| Cellular materials (foam materials) |          |             |                           |
| Composites                          |          |             |                           |
| Fibres                              |          |             |                           |
| Functional materials                |          |             |                           |
| Metals                              |          |             |                           |
| Plastics                            |          |             |                           |
| Structural ceramics                 |          |             |                           |
| (Technical) textiles                |          |             |                           |

## Contacts

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