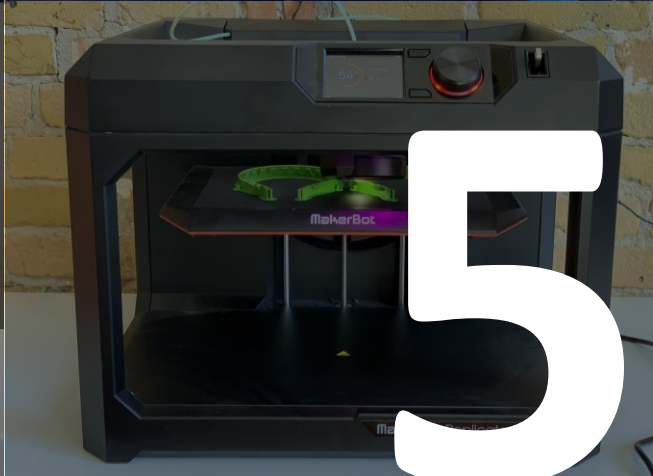




Schwergewichte auf grüner Diät

Digitalisierung für die Nachhaltigkeit – 3D Druck für Eisenbahnen





50%

50

Tanaruz Boats
RAW Idea
Produkte

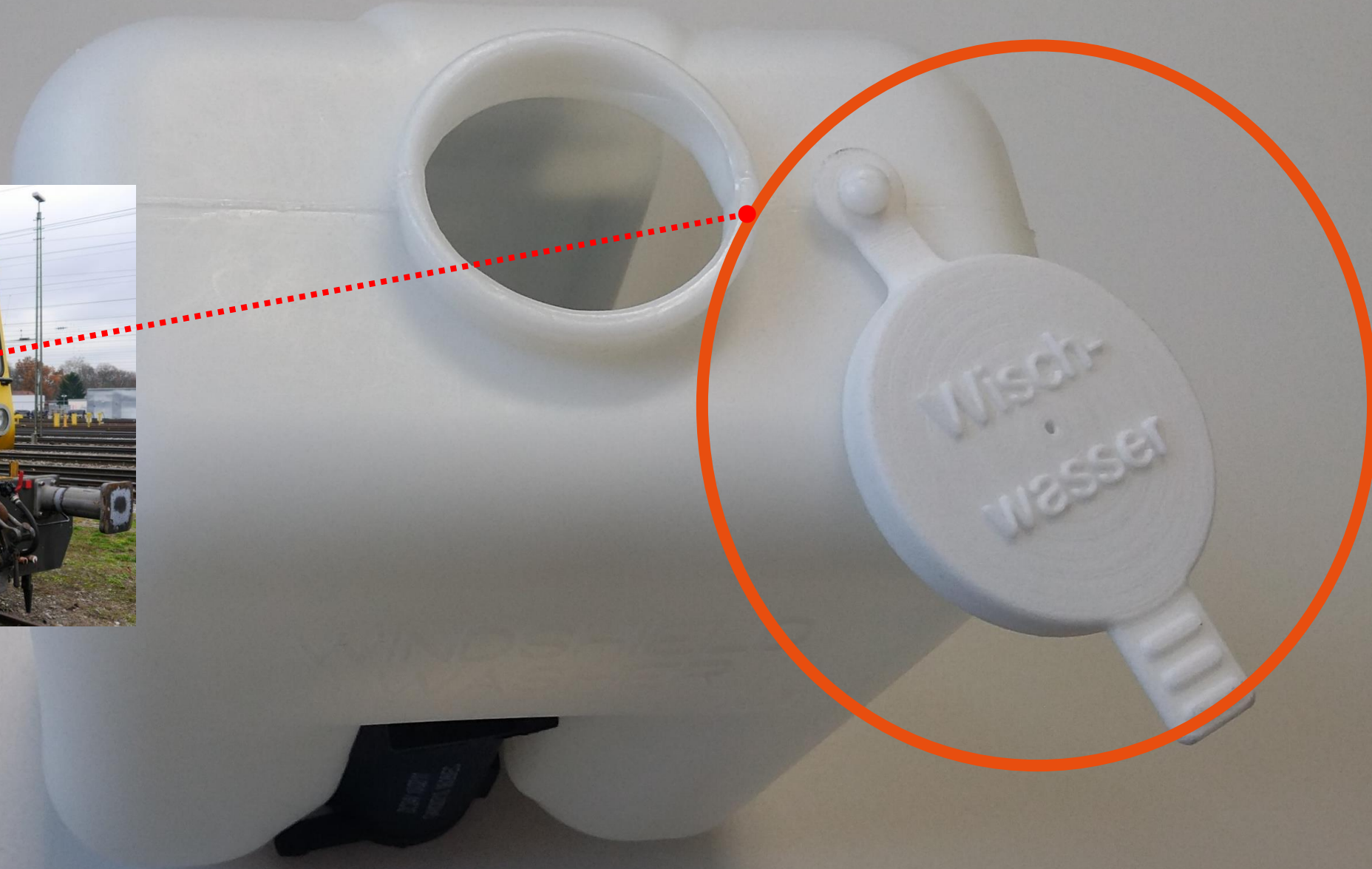
Technologien





mga
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Scheibenwischwassertankdeckel





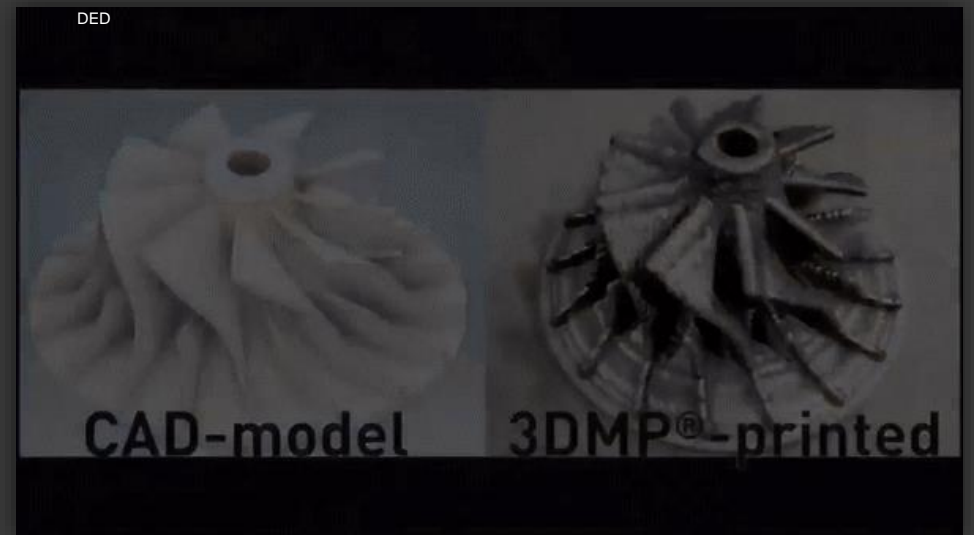
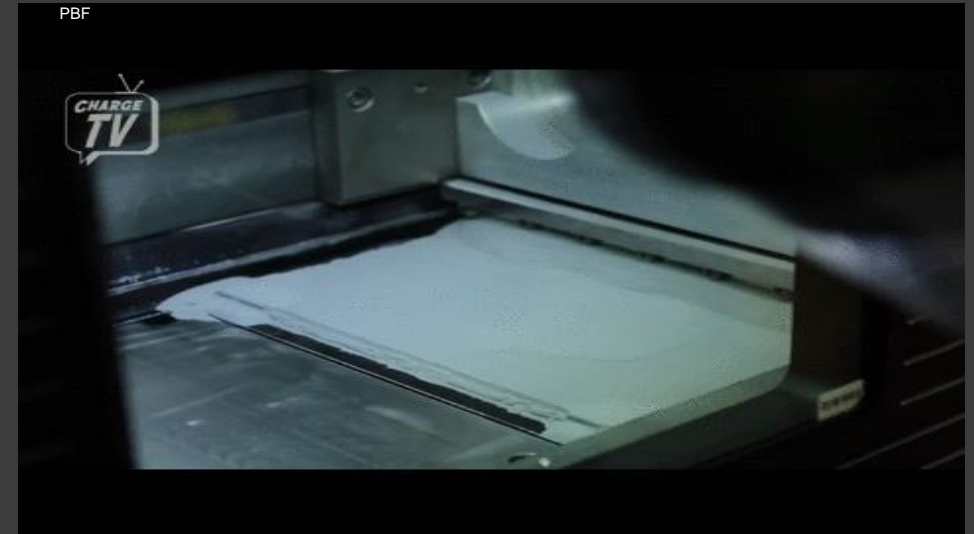
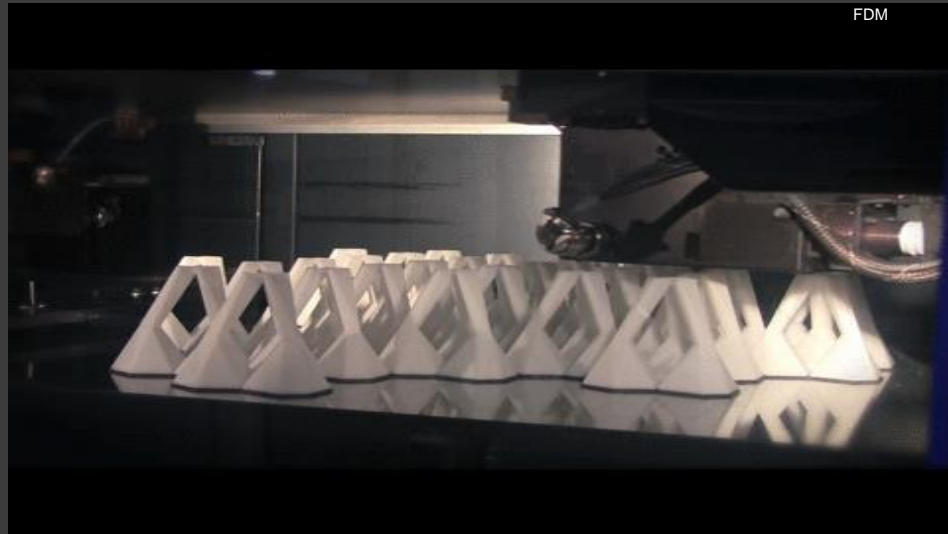
Farbschablonen reduzieren Sondermüll



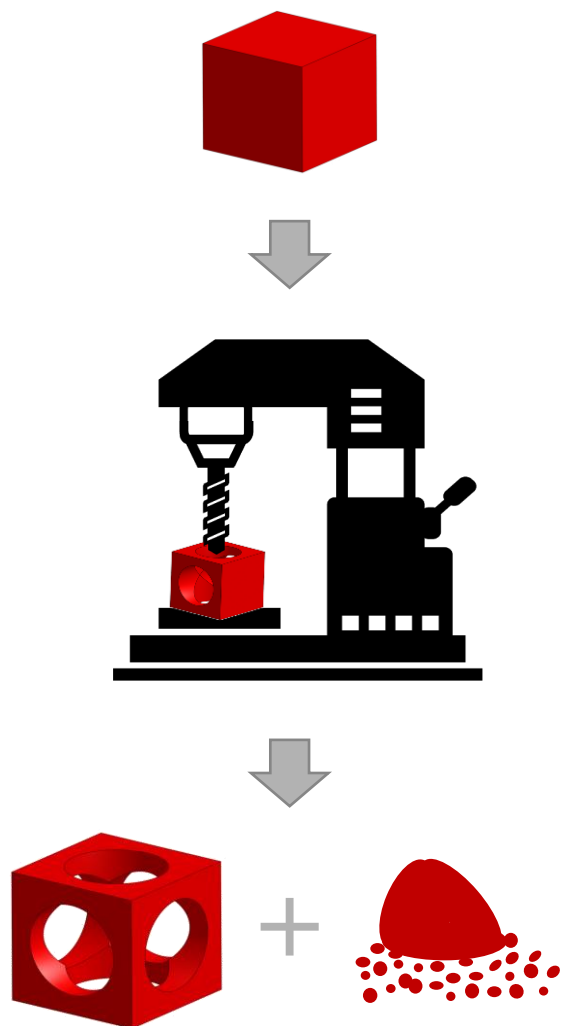
Mobilitätskritische Teile sichern emissionsarme Transportketten



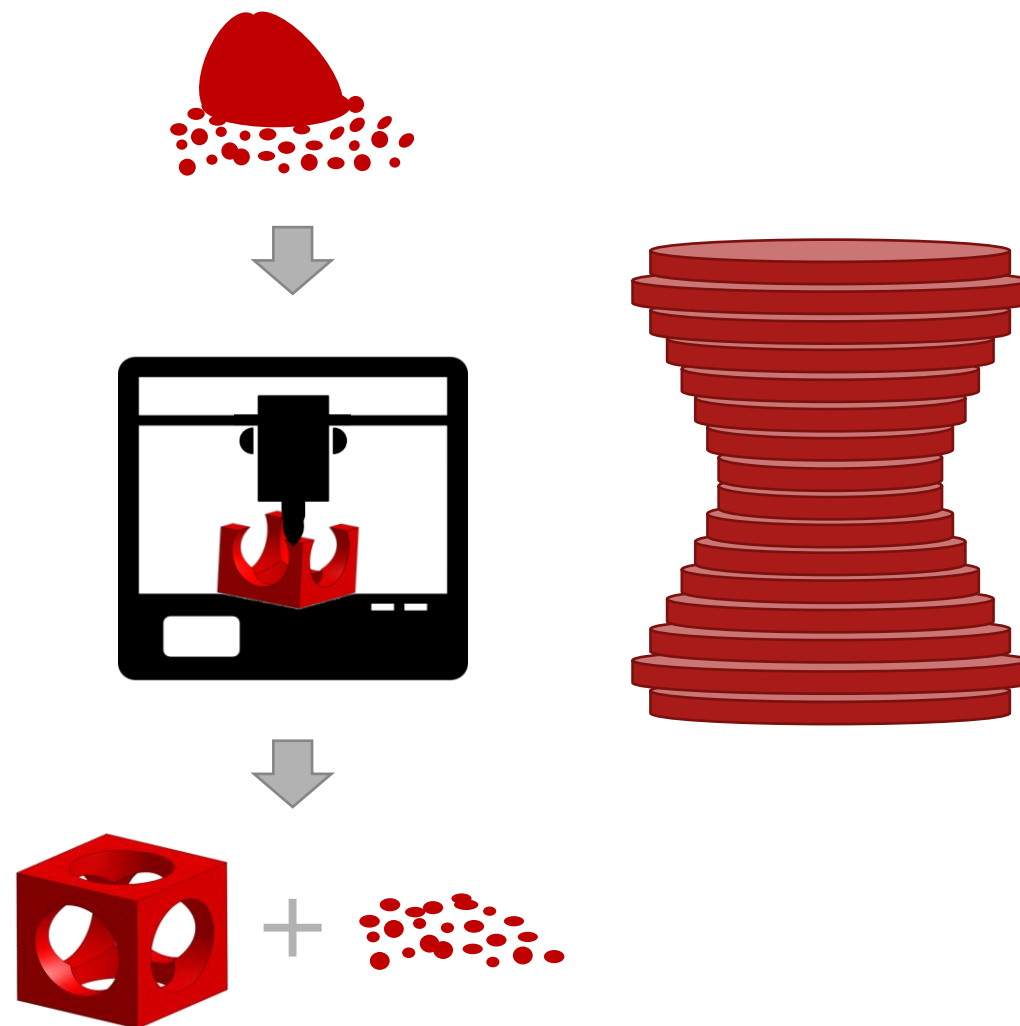
Wie funktioniert 3D Druck? Mehr als 20 Technologien



konventionell



Additive Manufacturing



Handlaufschilder in Blindenschrift



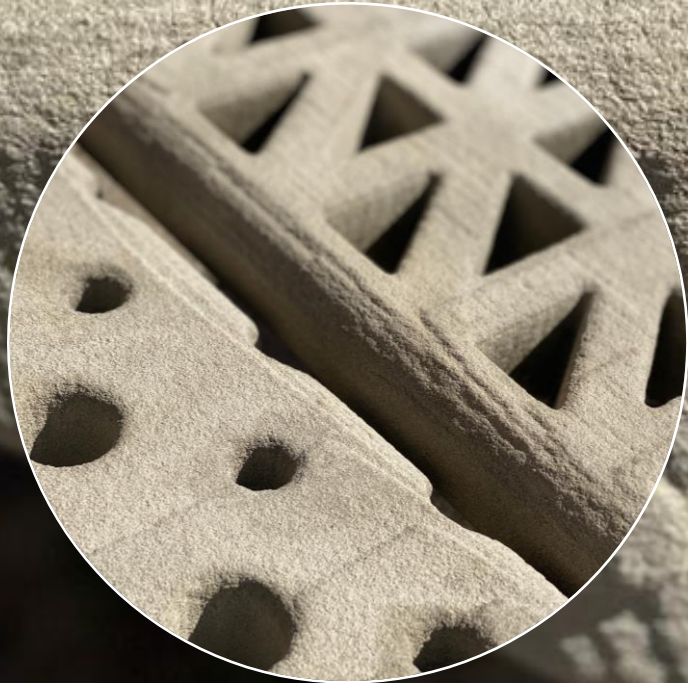


Neuestes Betondruck-Verfahren

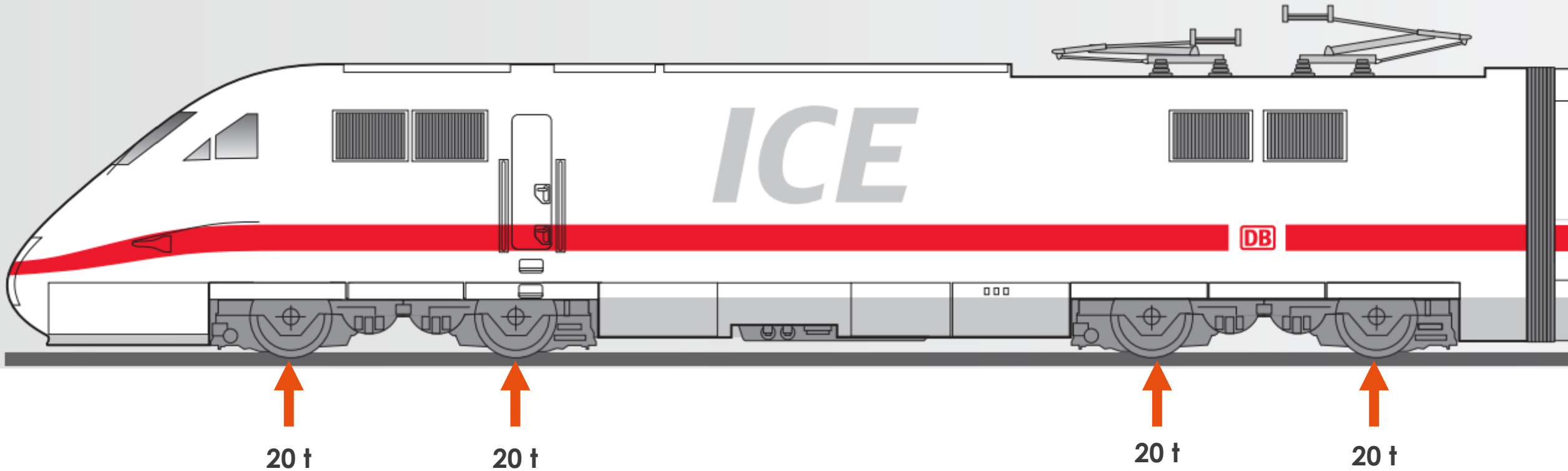


Source: http://www.additive-tectonics.com/index.php/sca-2/#group_1299-6

Gedruckte Bänke für DB System



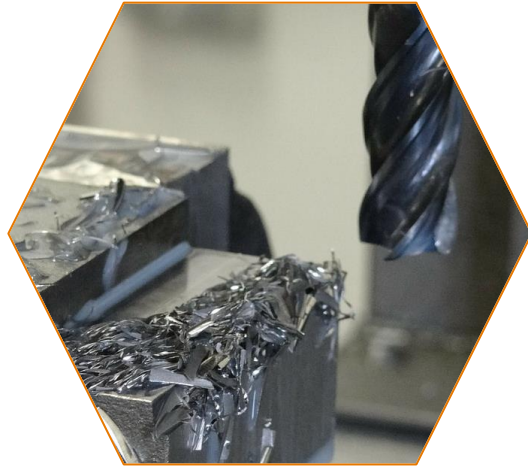
Leichtbau und Eisenbahn: Sinnvoll?



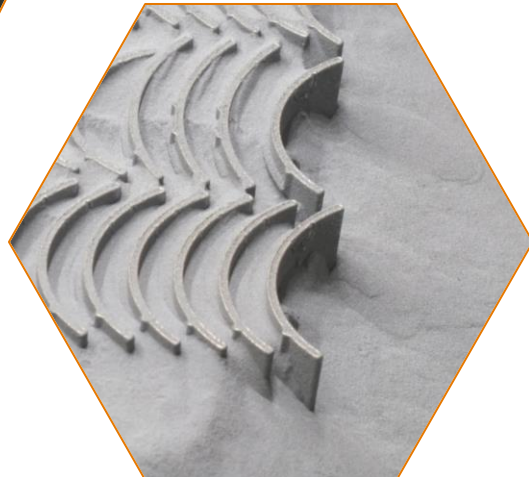
AM – optimiertes Re-Design



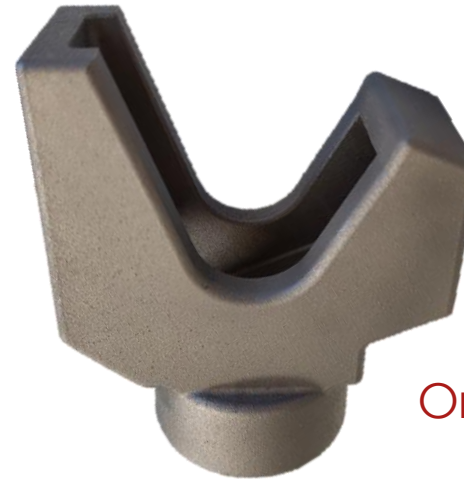
Gegossen



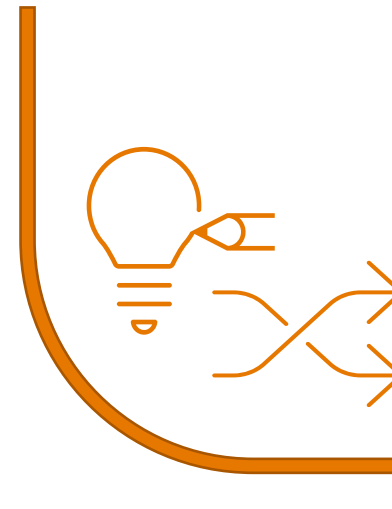
Gespant



Gedruckt

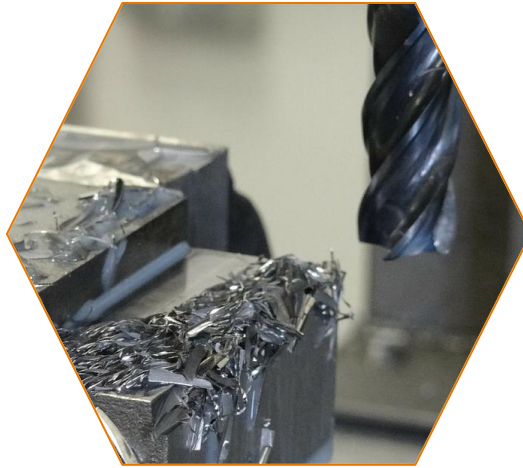


Original



AM

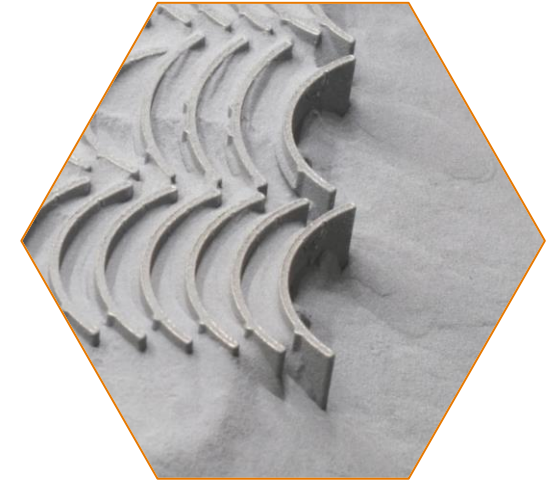
AM ermöglicht signifikante Gewichts- und Abfalleinsparung



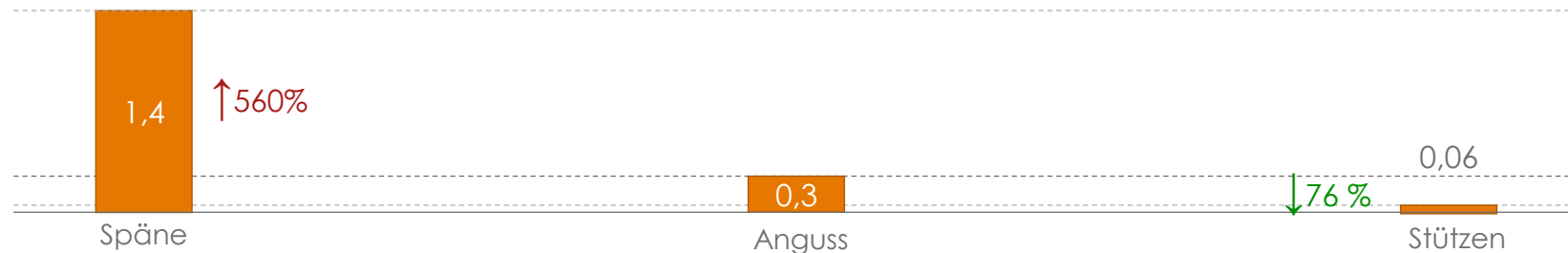
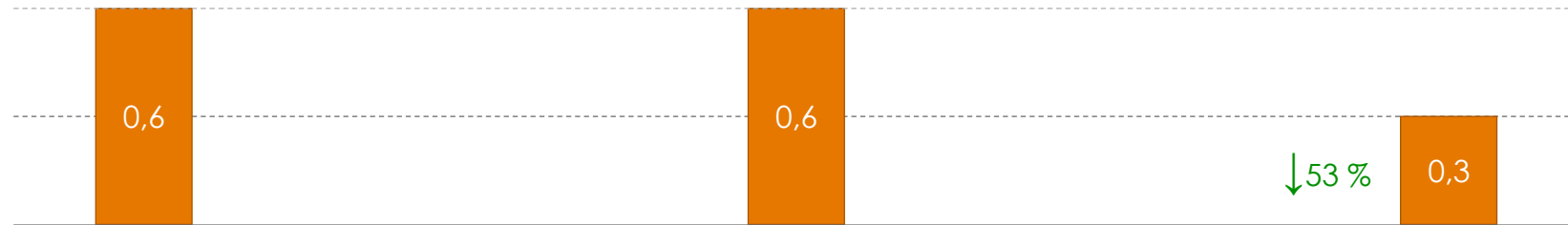
Gespant



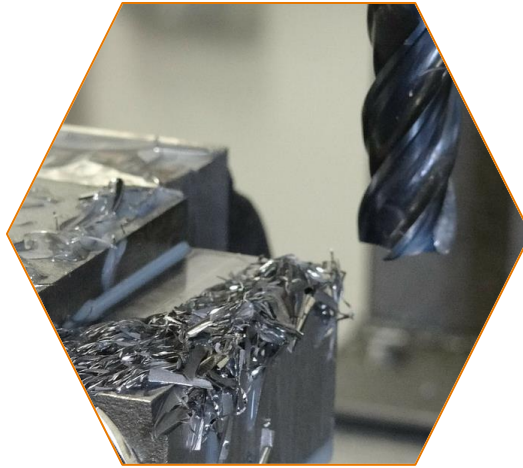
Gegossen



Gedruckt



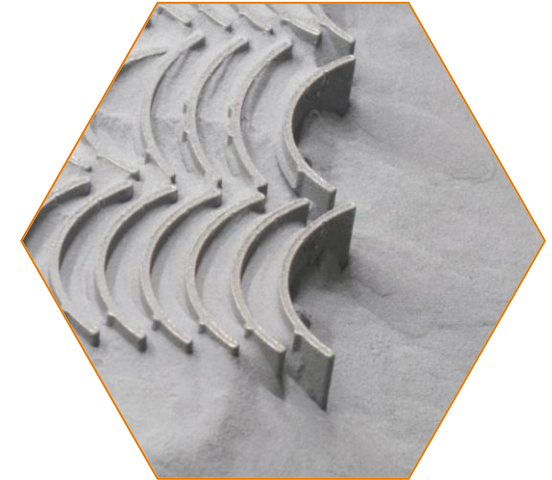
AM reduziert den Energieverbrauch und Emissionen



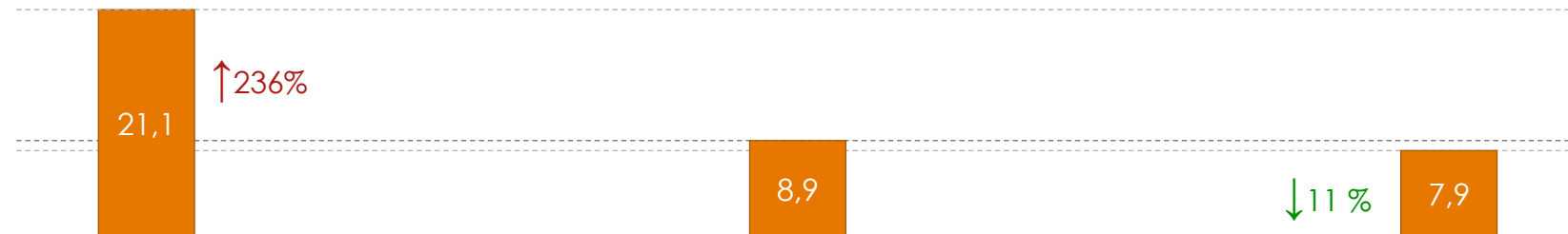
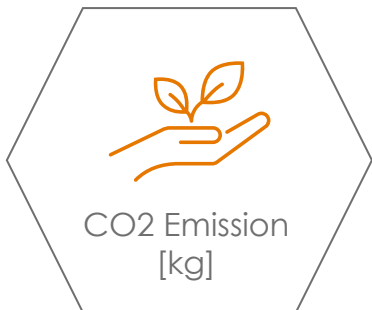
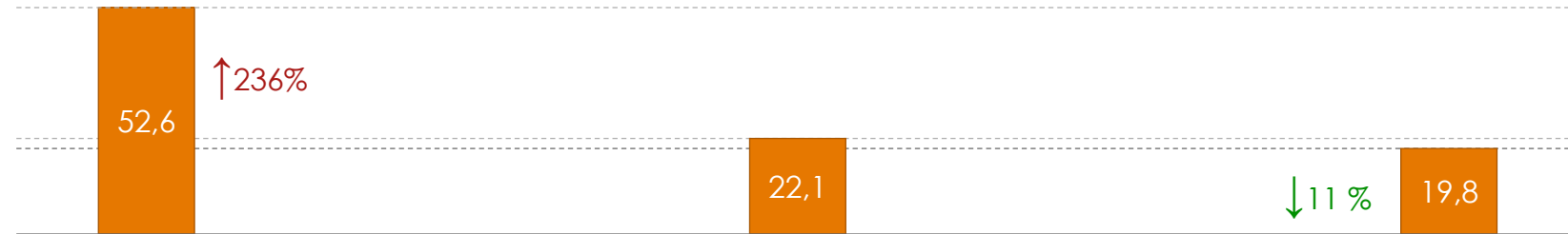
Gespant

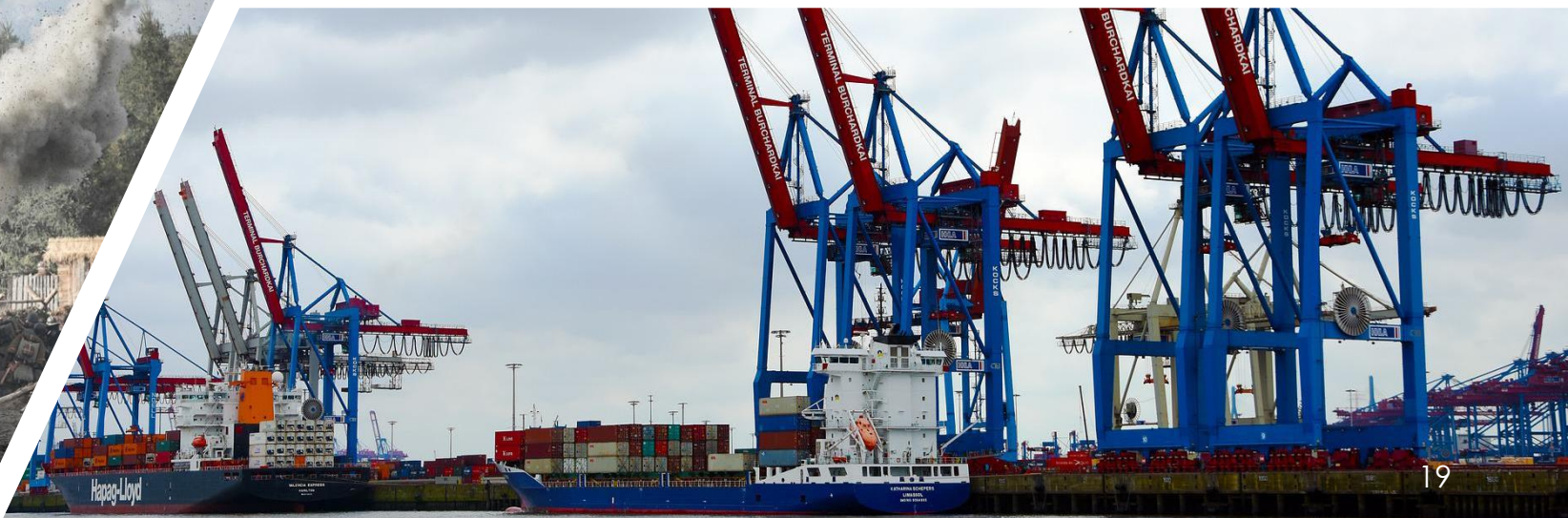
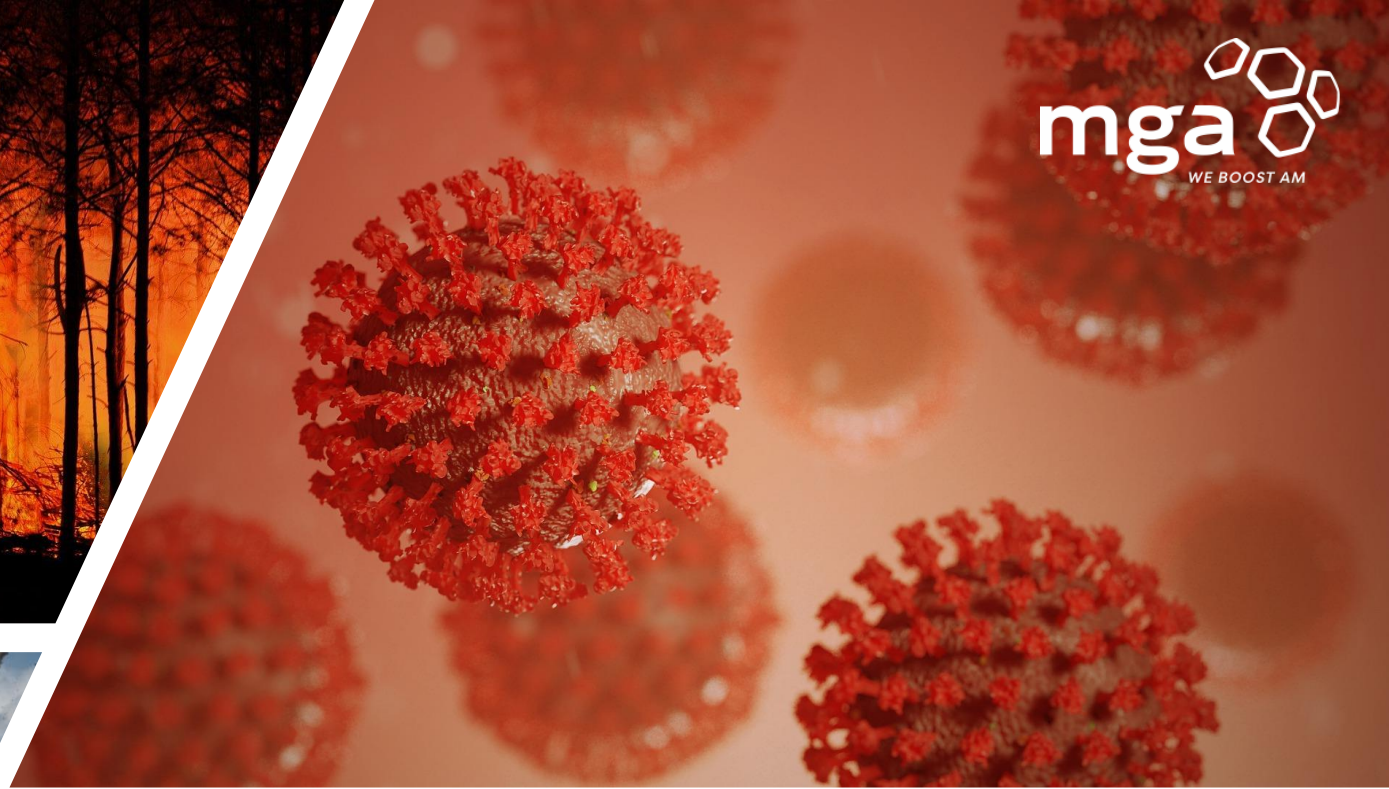


Gegossen



Gedruckt



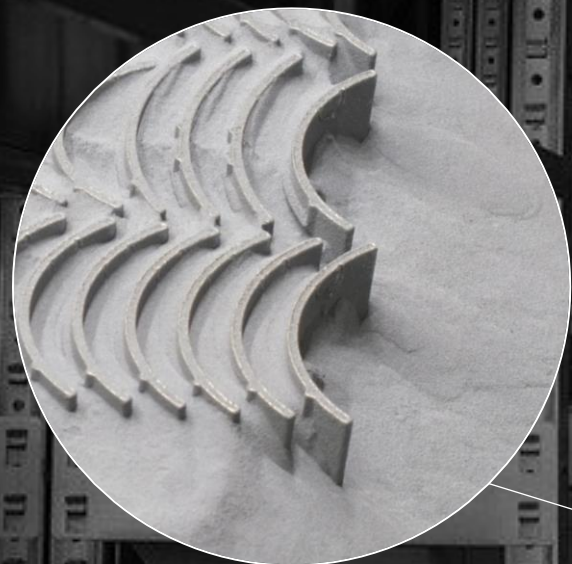


10%

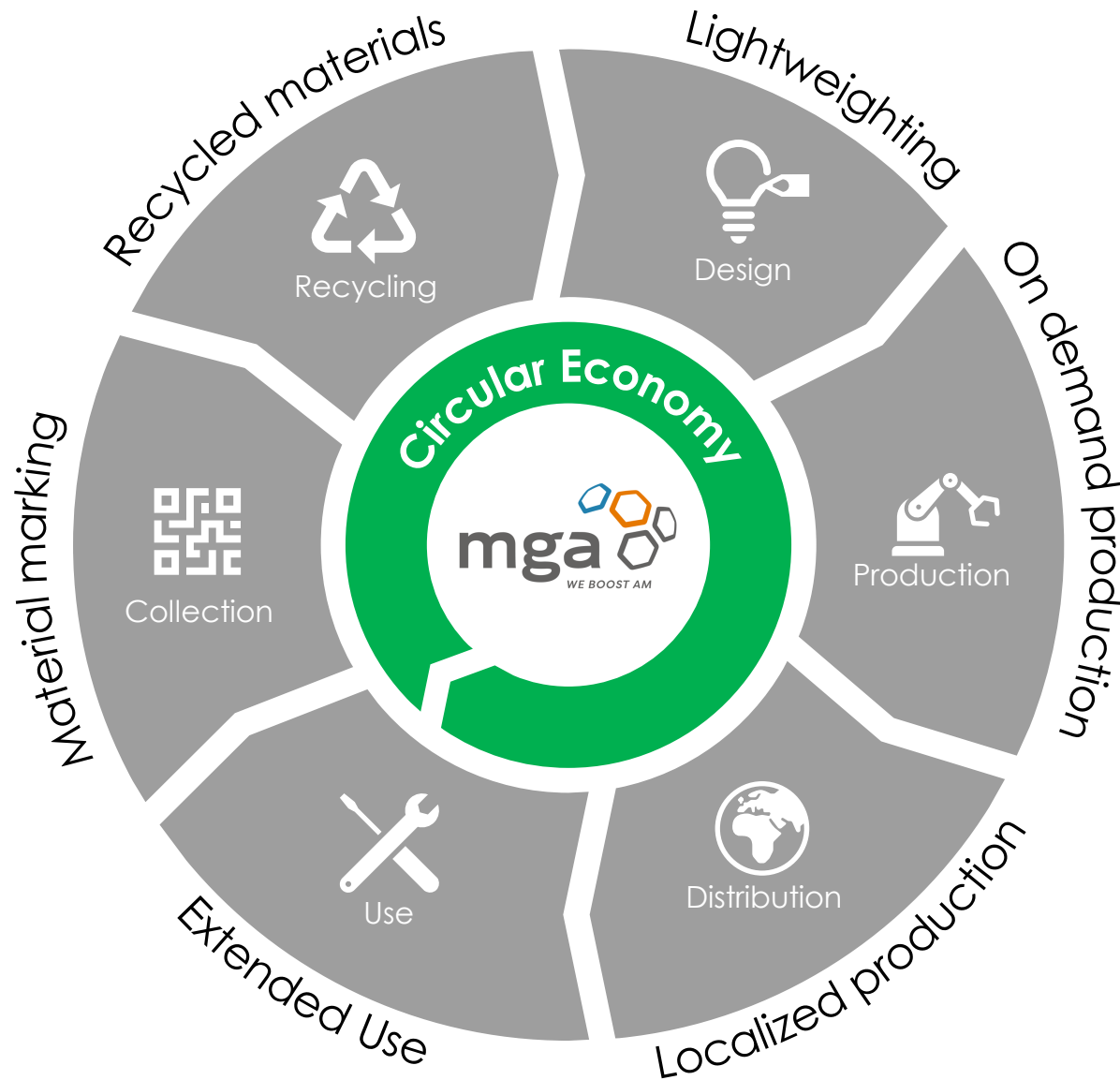
10.000 Anwendungen

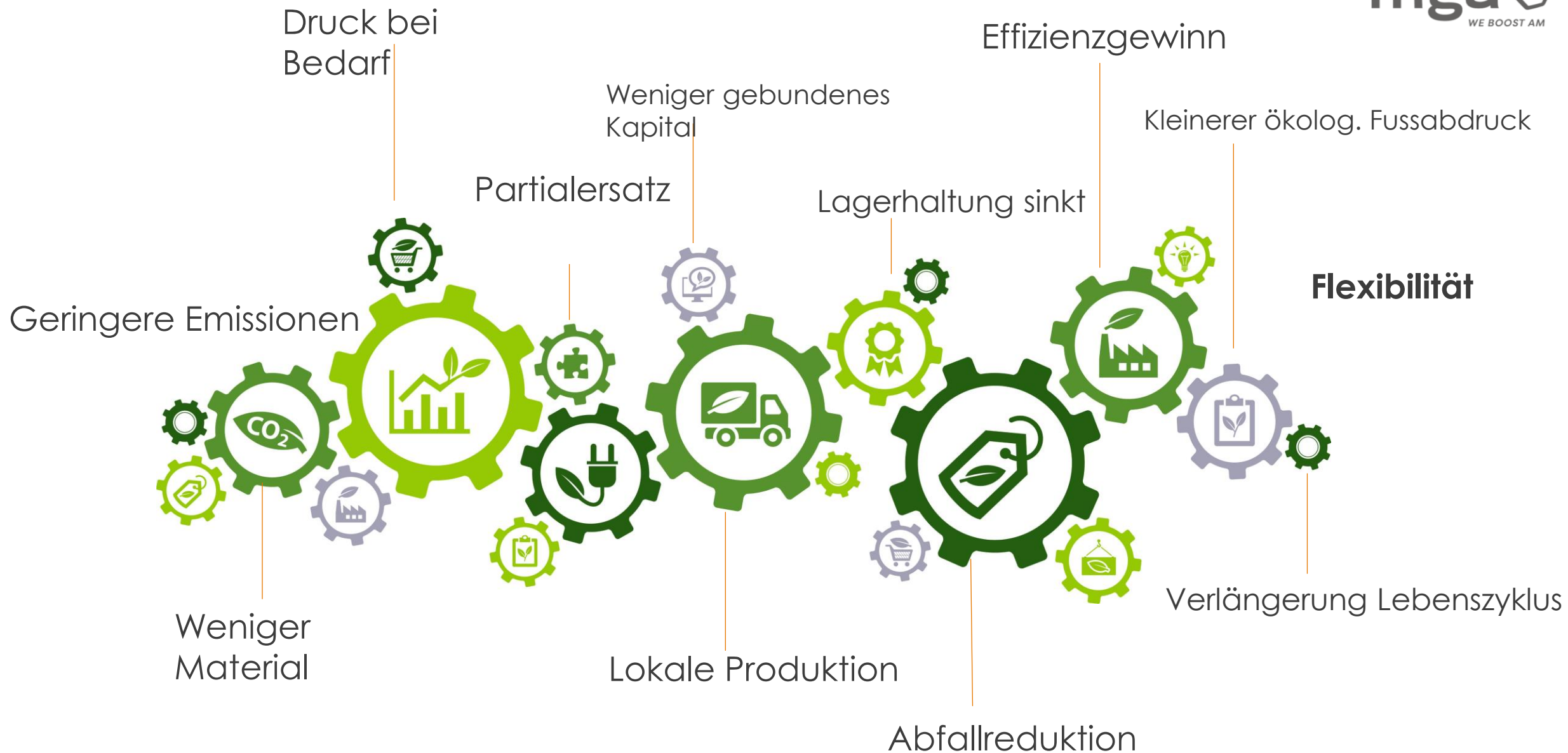
bis 2030

30%



Unabhängig von Lieferketten: virtuelles Lager durch Print on Demand







Mobility



Approval in Rail

Lead: Maximilian Kunkel (Siemens)
mga: Linus Tillmann



Digital Supply Chain

Lead: Gregor Reischle (AM Entrepreneur)
mga: Linus Tillmann



RAiLiability

Lead: Martin Stevens (DB-ESG)
mga: Stefanie Brickwede



Materials

Lead: Dr. Tina Schlingmann (EOS)
mga: Linus Tillmann

Focus Groups:

- Market Needs
- Elastic Polymers
- Testing Methods
- Technical Standards
- High Performance Polymers
- Metals (+WAAM)
- Ceramics



Automotive

Lead: tbd
mga: Cora Lüders-Theuerkauf



Ecological Sustainability

Lead: Helge Schneevogt (DB)
mga: Jan Dittmann



Education

Lead: Olaf Steinmeier (Fraunhofer IAPT)
mga: Linus Tillmann



Aero & Space

Lead: Enrico Stoll (TU-Berlin)
mga: Linus Tillmann

Medical



Approval

Lead: Simon Schlagintweit (TÜV Süd)
mga: Cora Lüders-Theuerkauf



Materials

Lead: Özlem Weiß (Expertants)
mga: Cora Lüders-Theuerkauf



Use Cases

Lead: tbd
mga: Cora Lüders-Theuerkauf



Hospitals

Lead: Prof Dr. Ute Schäfer (Uni Graz)
mga: Cora Lüders-Theuerkauf



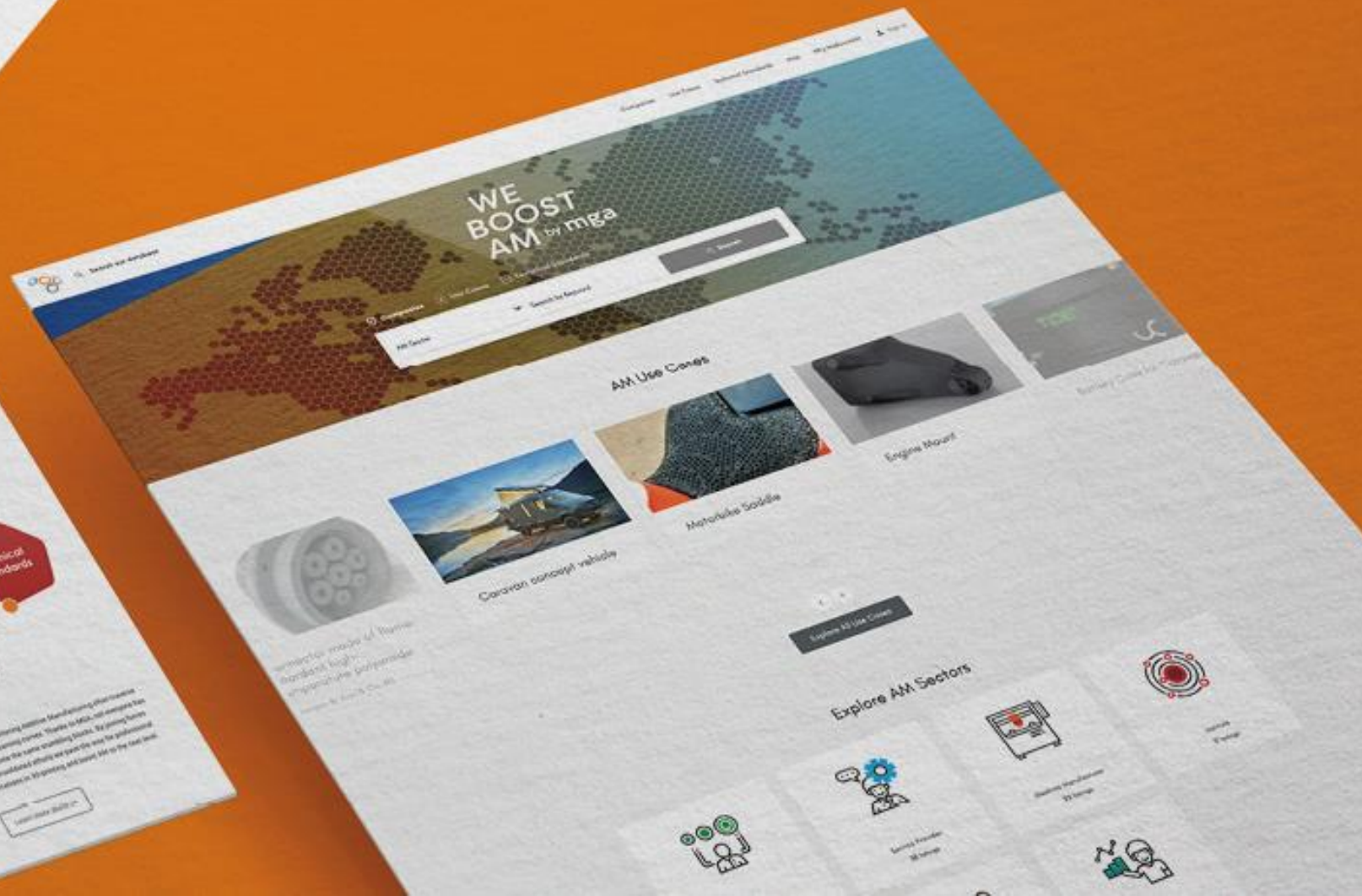
Pharmaceutics

Lead: Dominic Duda (Takeda)
mga: Cora Lüders-Theuerkauf

Detailed description of the [mobility](#) and [medical](#) topics on mga-net.com

WE BOOST AM by mga

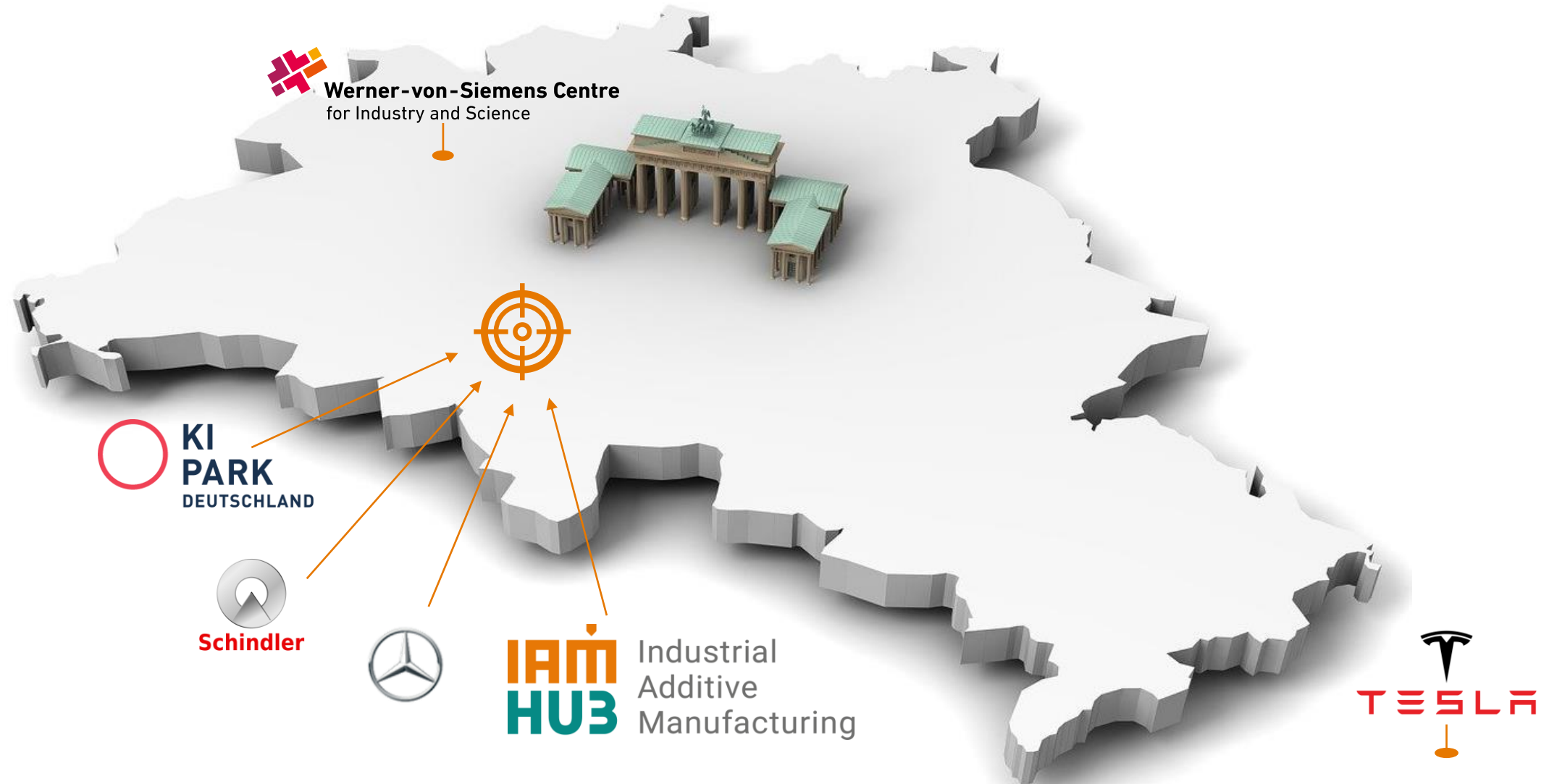
weboostam.com



IAM Industrial Additive Manufacturing HUB



Berlin: Capital of AM



MGA Annual Meeting & Women in AM 2022



October 12 - 13

- 3D printing at the German Armed Forces
- The new train generation and AM

more speeches will follow...



SCAN ME



SAVE-THE-DATE:

27.11. - 01.12.2022

TECH-JOURNEY TO ISRAEL WITH A
FOCUS ON ADDITIVE MANUFACTURING

COMPANIES OF INTEREST

- Machining Producers
- Startup Eco System
- Innovative Production Technologies
- Medical
- Food
- R&D
- Software

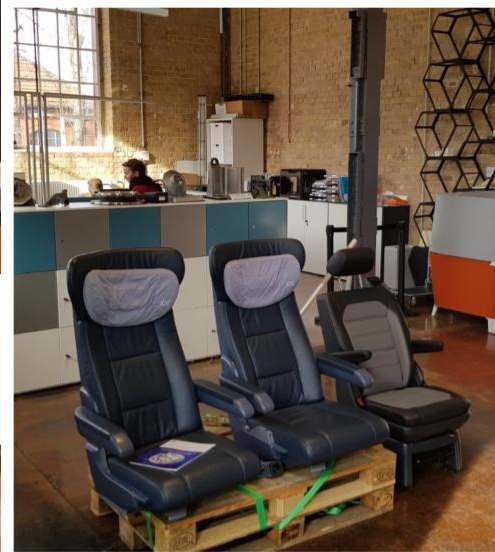


SCAN ME

Mobility goes Additive - The VDI Students Competition



VDI | VDI-FACHGESELLSCHAFTEN | VDI-GESELLSCHAFT FAHRZEUG- UND VERKEHRSTECHNIK |



21.-23.4.2023

Düsseldorf



mga

WE BOOST AM





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& Head of AM @ Deutsche Bahn AG

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Mobil: +49 160 974 64647
stefanie.brickwede@mga-net.com



vCard

