



bayern  innovativ
Innovation leben.

We Connect, Support and Advise Bavarian Companies and act as an organisation and contact point for many Bavarian initiatives

HEALTH

Department Forum MedTech Pharma e.V.
(Europe's largest network in the healthcare sector),
ZD.B digital health

MOBILITY

Automotive Cluster,
Electromobility Competence Centre,
ZD.B connected mobility

MATERIAL & PRODUCTION

New Materials Cluster, NiM bayern,
Additive Manufacturing Coordinating Body,
Textile Innovation Network

ENERGY

Energy Technology Cluster,
ZD.B digitalisation in the energy sector

DIGITALISATION

ZD.B Centre for Digitalisation Bavaria
(11 business-focused topic platforms)

FUNDING ADVICE

Funding advice and project sponsorship, point of contact
and hotline for the Bavarian Research and
Innovation Agency

FUNDING GUIDES

Patent Centre Bavaria

TECHNOLOGY AND INNOVATION MANAGEMENT

Technology and innovation management,
digital innovation platform

TECHNOLOGY AND INNOVATION MARKETING

Technology and innovation marketing,
joint Bavaria stands at trade fairs,
Enterprise Europe Network

CULTURAL AND CREATIVE INDUSTRIES

bayernkreativ – Bavarian Centre for
Cultural and Creative Industries



**MATERIAL &
PRODUKTION**



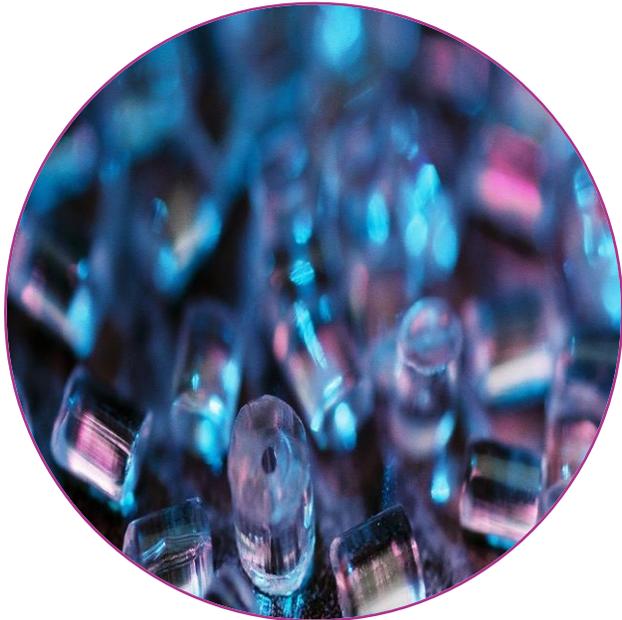
Cluster
Neue Werkstoffe
Cluster New Materials

From Material to Innovation – Cluster New Materials

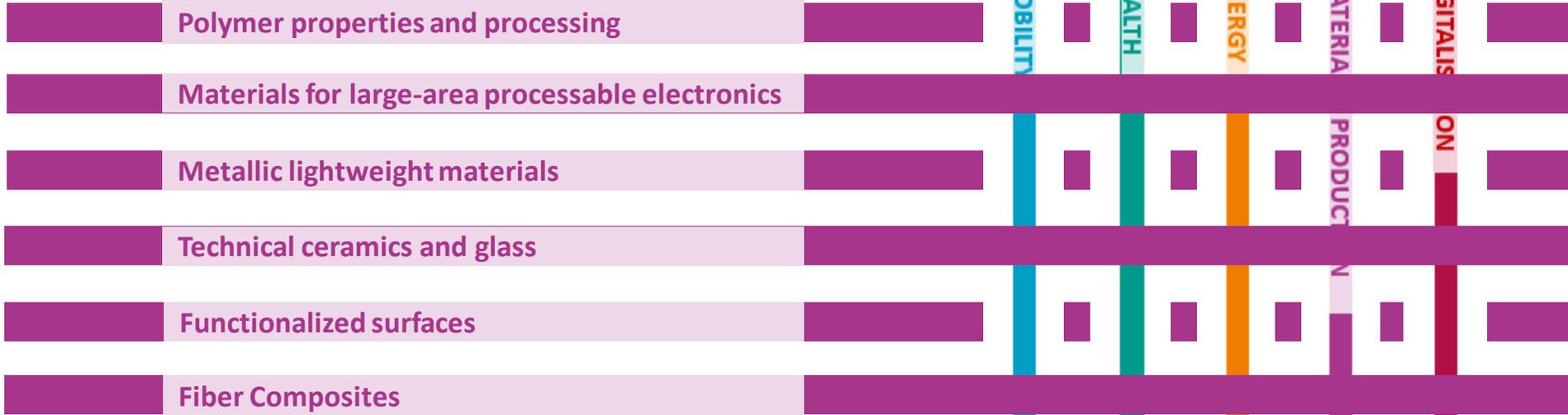
Material

Process

Innovation



Cluster New Materials - TOPICS



KEY TOPICS



New Materials Cluster



Topic
Digitization of Materials Development

4200 Contacts
1300 Companies
93 Institutes
12 Countries
Networks



Cluster-Speaker



Topic
Lightweight/Multimaterial-Design

Topic
Additive Manufacturing

20 Advisory Board - Academia and Business
80 Partners

Services

Networking
Project Support
Marketing
Information

Topic
Sustainability
Circular Economy
Bioeconomy

Projects
More than 90 projects with an overall budget of about 80 Mio. Euro

Cluster New Materials - Cooperatively from Idea to Innovation

Networking

We interlink Industry and Academia.

Knowledge-transfer

We provide information, illumine value chains and their modes of action.

Strategy

We identify cooperatively trends und technologies.
We structure with the help of expertise and experts.
We visualise in radars und roadmaps.

Project-support

We bring qualified partners together – and create added value for the entire Materials sector.

Cluster-Partner



Cluster-Partner





Project Management Cluster Manager

HYDRESS

Development of new concepts for hydromechatronic units to increase resource efficiency



HYDRESS

Key Facts:

- Goal: Development of an energy- and resource-efficient pump in multi-material design
- Project term: 01 Jan 2018 – 15 Mar 2021
- Project volume: € 2 million

Project partners:



Project management:



HYDRESS project

what has been created?

CirComp GmbH

Development of a CFRP split tube with novel coating technology

Schliessmeyer GmbH

Gaining experience in the field of injection molding of highly filled, magnetic plastics

**Friedrich-Alexander
University
Erlangen-Nürnberg**

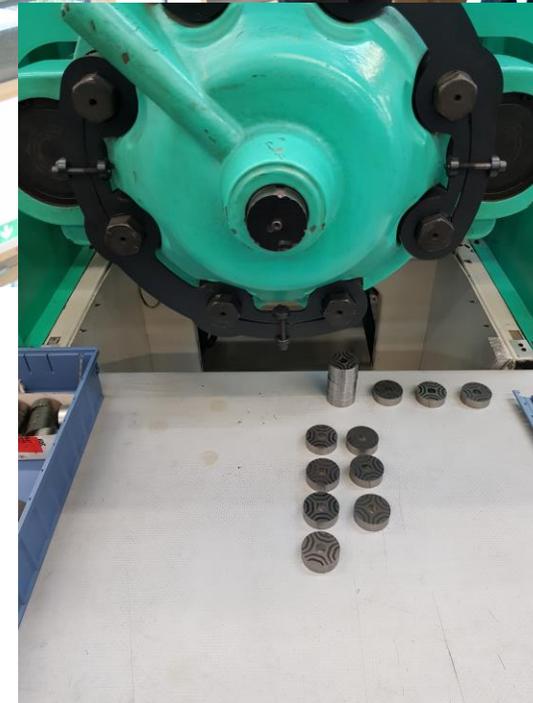
Development and verification of new process technologies for highly filled, magnetic plastics

**University of Applied
Sciences Kaiserslautern**

Novel electric motor concepts for use in the pump sector

HYDRESS project

innovations with sustainable added value



Team Cluster Neue Werkstoffe



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Vielen Dank!
Thank you for your attention!