managed by Cluster Nanotechnology

ZIM Zentrales Innovationsprogramm Mittelstand

Supported by: Federal Ministry for Economic Affairs and Climate Action on the basis of a decision by the German Bundestag

NETWORK NANO4eMob

Network partners

The Network Hybrid Nanomaterials for Electromobility (Nano4eMob) was founded in May 2020. It is an association of companies with research institutes and institutions. The network is managed by Nanoinitiative Bayern GmbH. We would like to thank the BMWK for funding within the framework of the Central Innovation Programme for SMEs (ZIM).

Nabaltec

EZD Das Dispergier-Zentrum

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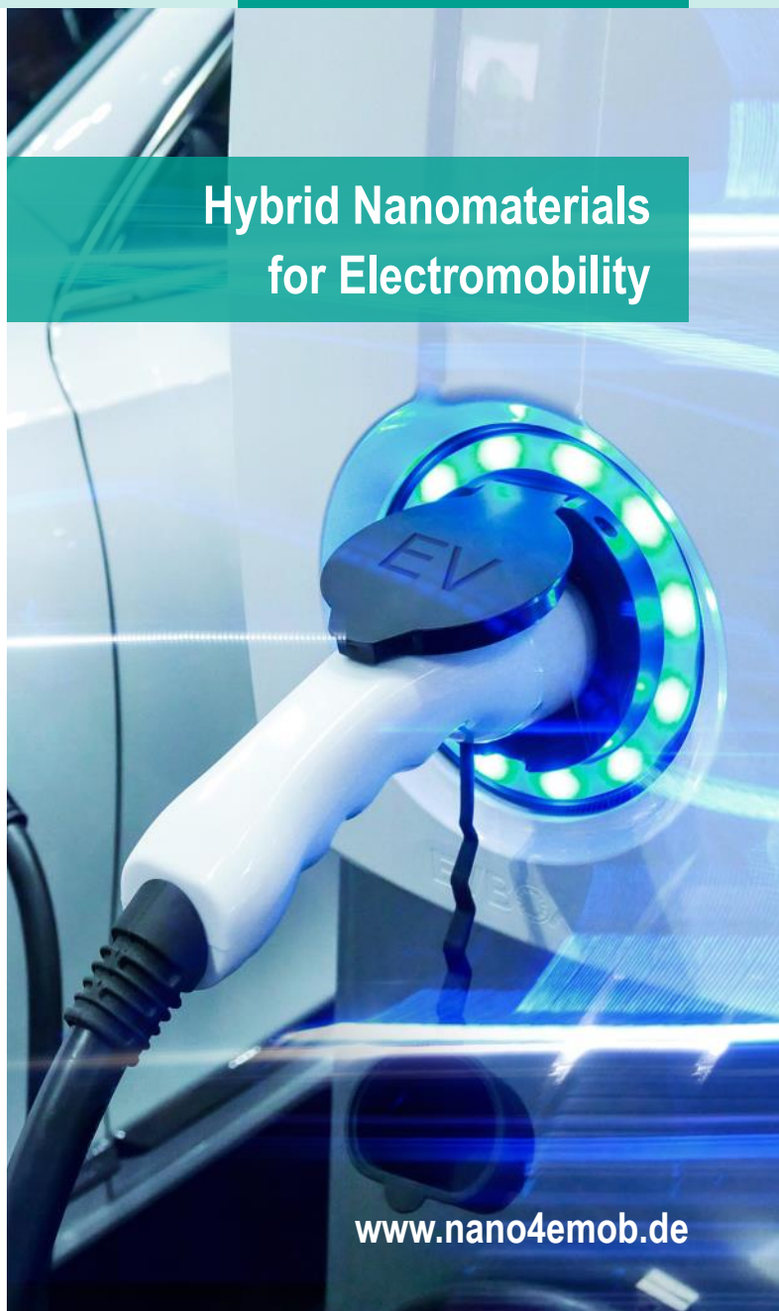
05/2022

Objectives

- Pooling of partner competencies
- Exchange of information between all partners along value-added chains
- Cooperation in development projects
- Use of hybrid nanomaterials for development and improvement of material solutions
- Joint public relations
- Organisation of expert events, status meetings, workshops and seminars
- Strategic expansion of the network

Become a partner!

Network Nano4eMob/
Nanoinitiative Bayern GmbH
Dr Andrea Deißenberger
Josef-Martin-Weg 52
D - 97074 Würzburg
Phone: +49 931 31 - 89370
E-Mail: andrea.deissenberger@nanoinitiative-bayern.de
Internet: https://nanoinitiative-bayern.de/nano4emob
www.linkedin.com/showcase/netzwerk-nano4emob



Hybrid Nanomaterials for Electromobility

www.nano4emob.de

Network Nano4eMob

The aim of the Network **Hybrid Nanomaterials for Electromobility** is to establish competencies for the development of innovative and sustainable materials and technologies to be used specifically in systems for electromobility. This will contribute to achieving sustainability and climate goals, strengthening the position of the German economy in the electromobility market. The focus is on the use of hybrid nanomaterials in order to make their considerable technical advantages usable for electromobility.

The network promotes the transfer of knowledge and technology across industries and materials. By combining the competencies of all network partners, synergies are created that will help to make new technical solutions accessible and establish them on the market in an effective and sustainable way. The network partners can use new market potentials and become more competitive.

Core competencies

- Production and characterisation of nanomaterials
- Dispersion techniques
- Sensor technology
- Surface coating
- Composites / compounds
- Unmanned Aerial Vehicles (UAV)
- Custom-made machinery / automation

Your contact to the network:

Dr Andrea Deißenberger
Tel. +49 931 31-89370
E-Mail: andrea.deissenberger@
nanoinitiative-bayern.de

Development lines

Safe and more efficient energy storage and conversion systems

e.g. by optimising the electrode materials

Reliable sealing and bonding of electronic components

e.g. by using conductive additives

Reduction of energy consumption by minimising friction

e.g. by abrasion-resistant nanocoatings

Saving energy through lightweight construction materials

e.g. by using lightweight composite materials