

# MINUTES

Germany, Kassel – 14<sup>th</sup> July 2021, 10:00 – 12:30

4<sup>th</sup> Stakeholder Meeting

EMOBICITY

## Introduction

The fourth stakeholder meeting of the regional stakeholder group of the region of Northern Hesse was organized by the Regionalmanagement Northern Hesse (RMNH) and took place via Microsoft Teams on 14<sup>th</sup> of July 2021.

### TOP 1

#### **Welcome and Round of Introductions**

Manuel Krieg, Regionalmanagement Nordhessen GmbH

The CEO of RMNH, Manuel Krieg, welcomed all participants. Every participant introduced herself/himself.

### TOP 2

#### **Presentation Daimler E-Truck Large-Scale Test Stand**

Univ. Prof. Dr.-Ing Michael Fister, Universität Kassel  
Prof. Dr.-Ing. Frank Lehmann, Daimler Truck AG

Prof. Dr.-Ing. Frank Lehmann reports on the current problems of the mobility economy and the practical benefits of the large-scale e-truck test stand, which is operated in cooperation by the University of Kassel and Daimler Truck AG. Increased environmental awareness and a growing shortage of truck drivers are increasing the pressure on politicians and companies to invest in more sustainable as well as autonomous transport solutions. Daimler wants to play a key role in shaping CO<sub>2</sub>-neutral transportation. In this context, the company is focusing on both the battery (eActros) and the hydrogen-based fuel cell. The company has been able to gather two decades of experience with the fuel cell. This experience is to be used to offer customers a CO<sub>2</sub>-neutral long-haul truck that can compete with diesel trucks. For practical testing in the development of corresponding components, the collaboration with the University of Kassel on the jointly developed large-scale e-truck test stand is particularly noteworthy.

Univ. Prof. Dr.-Ing. Michael Fister talks about the challenges involved in setting up the large-scale e-truck test stand and explain the technical possibilities of the innovative facility. The large-scale test stand, which is one of only a few facilities in the world that can also put heavy e-trucks into operation under realistic conditions, is one of the "lighthouse projects" of the North Hesse region. As an important location factor for future research and development projects in the automotive industry, the large-scale test stand helps to ensure that North Hesse is perceived as an innovation region.

In order to be able to put the large-scale test stand into operation, a new transformer station had to be built in addition to an extensive cooling system. With the large-scale test stand, all conceivable situations can be repeated as often as required in a fully automated manner. It can be used to investigate various issues, such as transmission concepts for the driveline of vans.

**TOP 3**

**Update Project EMOBICITY**

Christian Dobler-Eggers, Regionalmanagement Nordhessen GmbH

Christian Dobler-Eggers, project manager in the mobility cluster at Regionalmanagement Nordhessen GmbH, gives an update on the current status of the EMOBICITY project (see attached presentation).

**TOP 4**

**Update: "Hydrogen Region North Hesse" - Application to the BMVI regional competition "HyLand - Hydrogen Regions in Germany"**

Annika Schroeder, Regionalmanagement Nordhessen GmbH

Annika Schroeder reports on the submission of the concept sketch "NordH<sub>2</sub>essen - Wasserstoff verbindet" (North H<sub>2</sub>essen - hydrogen connects) for the BMVI's HyLand project in the "HyExperts" category. The Federal Ministry of Transport and Digital Infrastructure supports regions in forming a local landscape of actors (politics, municipal businesses, industry, trade, society) and jointly developing initial concept ideas on the topics of hydrogen and fuel cells based on renewable energies in transport, but also in the areas of heat, electricity and storage.

On 18.06.2021, the outline was submitted by the Werra-Meißner district with the support of the prospective project partners as well as numerous Lol donors from the region. The following goals are to be achieved by the project:

- Expansion of an integrated use of hydrogen technology in the rural region of North Hesse and the city of Kassel.
- Establishment of a regional production capacity of green hydrogen
- Transport and storage of hydrogen on the way between production and consumption

- Definition of a filling station network (combination of public/private filling stations)
- Establishment of first regional vehicle fleets as pilots for the use of hydrogen in mobility (buses, company fleets, municipal utility vehicles, forklifts, vans, trucks)
- Development of new business areas for the regional energy industry
- sustainable mobility and green supply of industrial parks

The Regionalmanagement Nordhessen GmbH will inform the EMOBICITY stakeholders about the further progress and will invite them to appropriate meetings.

TOP 5

**Summary and Outlook**

Christian Dobler-Eggers, Regionalmanagement Nordhessen GmbH

Christian Dobler-Eggers summarizes the results of the meeting. The next official stakeholder meeting is expected to take place in January 2021. A corresponding Doodle survey will be made available to find a date.

In the last week of October, the European project partners will come to Kassel for a study visit. Stakeholders from North Hesse are invited to participate in the events. A visit to the large-scale test stand is planned in this context. In general, there is also the possibility to accompany the regional management on the study visits to the European regions. An appropriate budget on the part of the project executing agency is planned for this purpose. Interested parties can contact Mr. Dobler-Eggers (dobler-eggers@regionnordhessen.de).

**Photo/Screenshot**

4. Stakeholder Meeting EMOBICITY

46:03

Teilnehmer

Einladen oder Nummer wählen

Einladung teilen

Dr. Peter Doepgen (HMWEV...)  
Gast

Frank Schroer  
Außerhalb der Organisation

Georg Förster (Gast)  
Gast

Krieg Manuel

Lehmann, Frank H. (069)  
Außerhalb der Organisation

M. Fister (Gast)  
Gast

Markus Feneberg, DHL Freigh...  
Gast

Philipp Altinsoy (FRA-UAS) (G...  
Gast

Schroeder Annika

Szogs Astrid

Andere aus dem Chat (1)

Krieg

Komponenten des Prüfstands für elektrische Antriebsstränge

Erprobung von elektrischen Achsen

- 2-Motoren Konzept mit zwei Radmaschinen
- 2 Getriebe um Bergsimulation für schwere LKW und Höchstgeschwindigkeit bis ca. 160 km/h abzubilden
- Nutzung einer Gleichstromquelle bis zu 820 V und 1400 A Dauerstrom
- Kontrolle der Gleichstromquelle mit einem Batteriesimulator (erweiterbar auch als Brennstoffzellensimulator)
- Optionale Wechselrichter um Achsen ohne fahrzeugseitigen Umrichter zu betreiben

Quelle: Siemens AG

außer Funktion

EM

Radmaschine Radmaschine

2-Gang-Getriebe 2-Gang-Getriebe

Elektrisch angetriebener Prüfling

Gleichstromquelle

Motormodule mit externem Wechselrichter

MoWiN.net

EMOBICITY

Mercedes-Benz

UNIKASSEL

VERSITÄT

iaf

Mercedes-Benz

UNIKASSEL

VERSITÄT

iaf

Zur Suche Text hier eingeben

16°C Regen

19:38

14.07.2021

**List of Participants**

<b>Nr.</b>	<b>Name</b>	<b>Vorname</b>	<b>Unternehmen</b>
1	Altinsoy	Phillipp	Frankfurt University of Applied Sciences
2	Blumenauer	Tanita	Regionalmanagement Nordhessen GmbH
3	Dobler-Eggers	Christian	MoWiN.net e. V. / Regionalmanagement Nordhessen GmbH
4	Doepgen	Dr. Peter	Hessisches Ministerium für Wirtschaft, Energie, Verkehr und Wohnen
5	Feneberg	Markus	DHL Freight GmbH
6	Fister	Prof. Michael	BOOXpress GmbH
7	Förster	Dr. Georg	Stadt Kassel
8	Krieg	Manuel	Regionalmanagement Nordhessen GmbH
9	Lehmann	Prof. Frank	Hessisches Ministerium für Wirtschaft, Energie, Verkehr und Wohnen
10	Schroeder	Annika	MoWiN.net e. V. / Regionalmanagement Nordhessen GmbH
11	Schröer	Frank	B. Braun Melsungen
12	Szirmay	Markus	sera Hydrogen GmbH
13	Szogs	Dr. Astrid	MoWiN.net e. V. / Regionalmanagement Nordhessen GmbH

**Important Dates**

<b>What?</b>	<b>When?</b>
Study Visit in Nordhessen (Kassel)	25.10.-29.10.2021
Study Visit in Rumänien (Cluj) und Kroatien (Zagreb)	04.10.-08.10.2021
Study Visit in Portugal (Lissabon/Graciosa)	20.09.-24.09.2021