KIEPE ELECTRIC

COMPANY PRESENTATION OF KIEPE ELECTRIC GMBH

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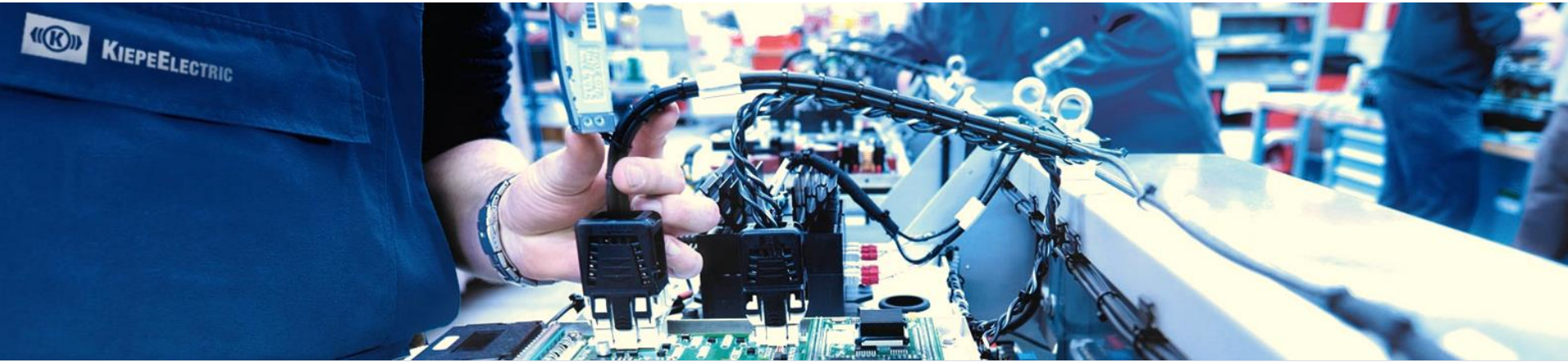

OUR VISION

We help cities to seamlessly transition to green mobility by delivering reliable,

modular and integrated electric products and systems!

KIEPE ELECTRIC

AGENDA

WHO WE ARE

LOCATION
IDENTITY
INNOVATION & PRODUCTS

LOCATION DÜSSELDORF

SUSTAINABLE TRANSPORTATION FOR OVER 70 YEARS

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OUR CORPORATE IDENTITY

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Urbanization

Sustainability

Digitization

Mobility

Consideration of industry trends with outstanding technological solutions

Energy consumption

LCC-Management

Charge management

Availability

CO_2 Footprint / Vehicle

Safety und Cyber Security

Digital vehicle and fleet solutions

E-Mobility platform

FIELDS OF ACTIVITY OF OUR E-MOBILITY

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Electrical Systems **E-Mobility**

- Battery bus
- IMC-Bus
- In Motion Charging E-Busses (IMC®)
- High Power Charging battery bus (HPC)
- High Power charging stations on/off board

Aftermarket and Service

- After Sales / OM Service
- Repair Center Logistics and storage services
- Test and measurement equipment
- Test center
- Industrial equipment

Modernization

- Traction, TCMS and APS modernization for trains and buses
- Vehicle Electrical Overhaul
- Vehicle Life Extension
- Improvement of vehicle safety
- Hybridisierung of DMUs and EMUs

Electrical Systems **Rail**

- Streetcars
- Subways
- Regional trains
- Locomotives
- Special vehicles
- Traction and on-board converters
- Small railroad equipment

STATE OF THE ART AND INNOVATIVE SOLUTIONS FOR RAIL AND BUS

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Rail vehicle systems

System business for LRVs

Strong experience in system business and electrical equipment for light rail vehicles

EMU and modernization

Entering the EMU and modernization business further broadened technological experience

Innovation packages for LRV

New solutions such as driver assistance systems or hydrogen light rail vehicle systems

Electric vehicle systems

Trolley bus

1950 start with first trolley buses, leading to more than 70 years of experience in the EVS segment

E-bus/ Hydrogen buses/ IMC

Development and test of new technologies led to unrivalled know-how and pole position for the future

HPC Platform

Complete mobility solutions comprising e-bus and corresponding charging infrastructure

WE MAINTAIN CLOSE BUSINESS RELATIONSHIPS WITH OUR PARTNERS & CUSTOMERS

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TRANSITION FROM VEHICLE TO FLEET

LATEST INNOVATIONS – KIEPE-CHARGER

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New business opportunities in charging solutions with existing power supply infrastructure

Energy sources

Overhead line, tram or bus

Public energy network

Alternative energy: solar, wind, H2

Local or mobile conversion

First prototype in Q1 2023 - very confident for first order in 2023

- **Overhead line network has sufficient power**
- **Several e-bus charging stations**
- **No noise emissions**
- **Low maintenance requirements**
- **Power modules with up to 99% energy efficiency**

Optional integrated battery pack

Storage solution for renewable energies, mobile supply for stand-alone solutions and continuous load on the public power grid

Energy consumer

High power charging max. 350kW via charging pole bus, truck etc.

Charging with high power max. 175kW via CCS2 bus, truck and car

Power supply for construction sites 3AC 1AC

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KIEPE SETS STANDARDS

THANKS FOR YOUR ATTENTION

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