



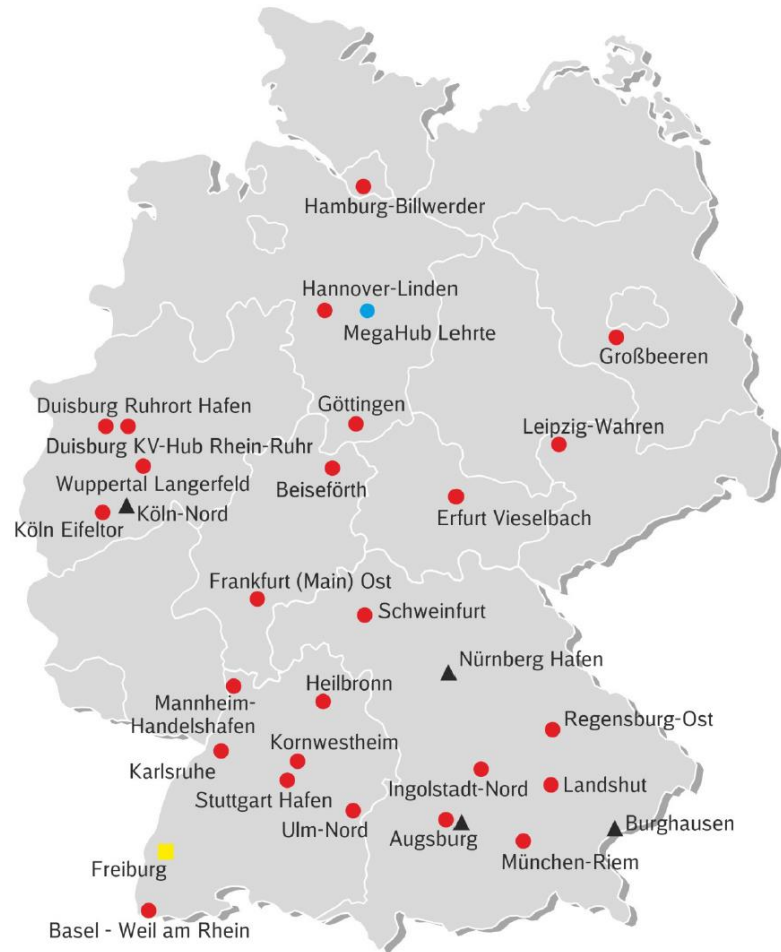
# MEGAHUB LEHRTE

SCANMED RFC DIGITAL CUSTOMER WORKSHOP

Frankfurt am Main, November 12th 2020

*Mehr als ein Transport.*

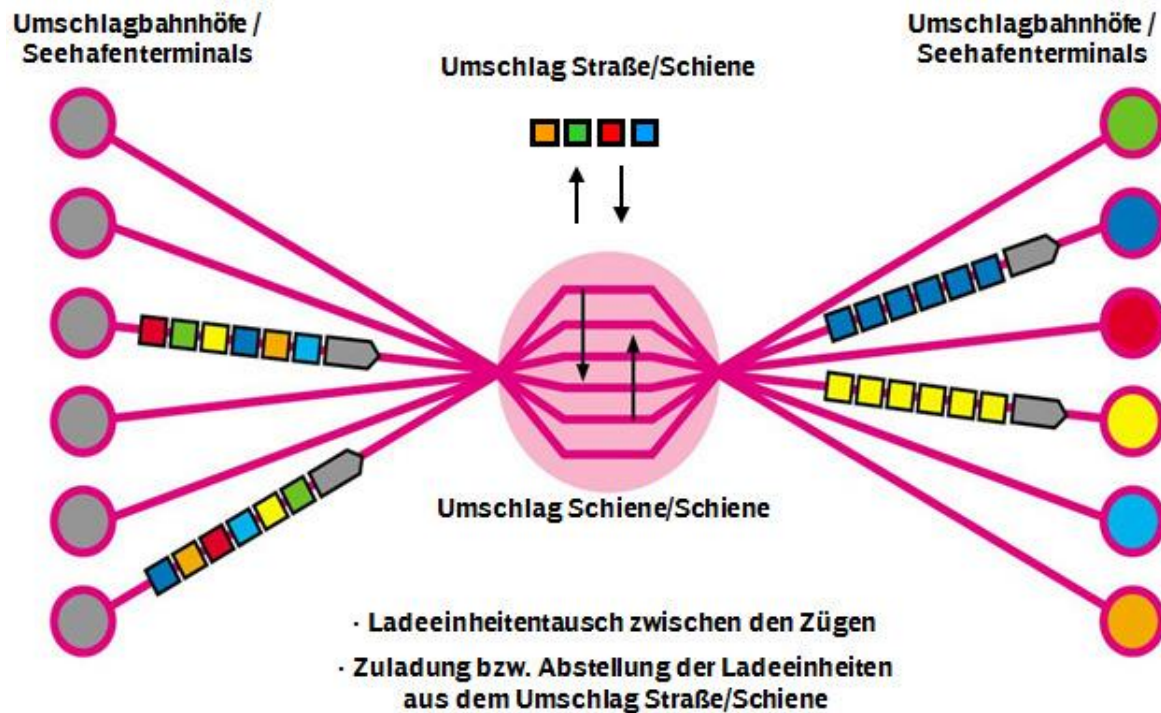
# WHERE IS „MEGAHUB LEHRTE“



- Long History „MegaHub“ approach
- Location
  - Existing railway station
  - Well connected towards all four directions

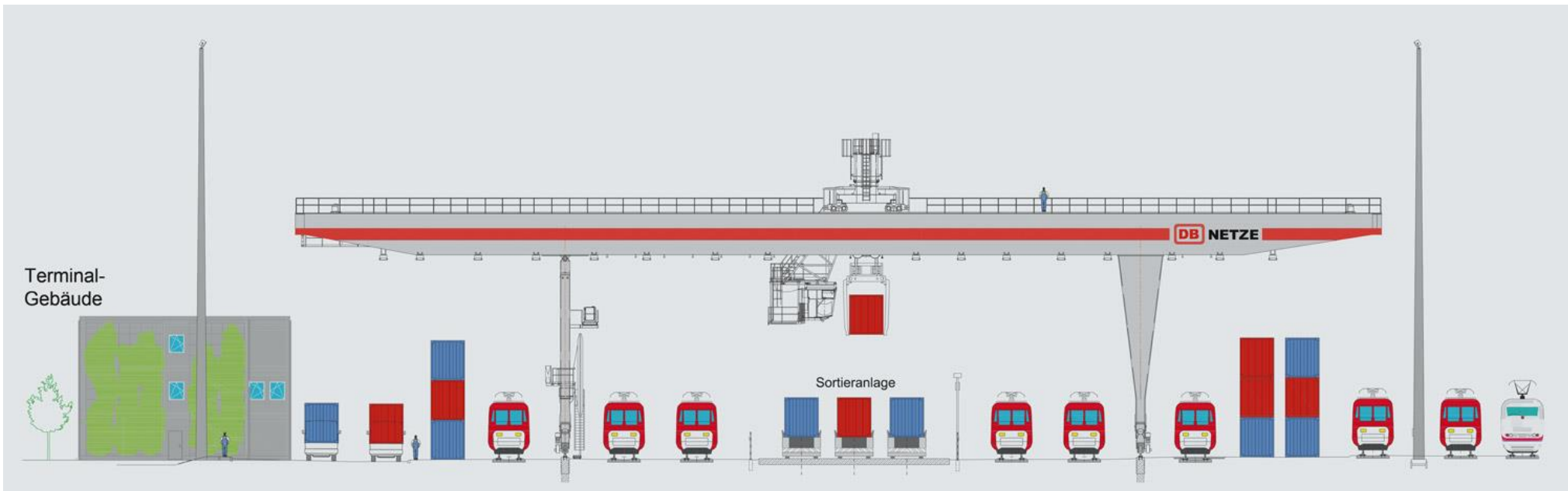
● Neu-/Ausbauplanung ● Terminalstandorte ▲ DB-Beteiligungen ■ Rollende Landstraße

# WHAT IS THE IDEA BEHIND „MEGAHUB LEHRTE“



- Arrival with lowered pantograph in short sequence (down to 7 minutes) with a minimum stay
- Arrival of trains with mixed wagons
- Fast transfer of loading units between trains
- No shunting
- Departure with sorted wagons

# LAYOUT OF MEGAHUB LEHRTE



- 6 tracks per 820 m (700 m covered by crane)
- 1 lane each for driving and loading
- 3 lanes for parking/stacking

# LAYOUT OF MEGAHUB LEHRTE



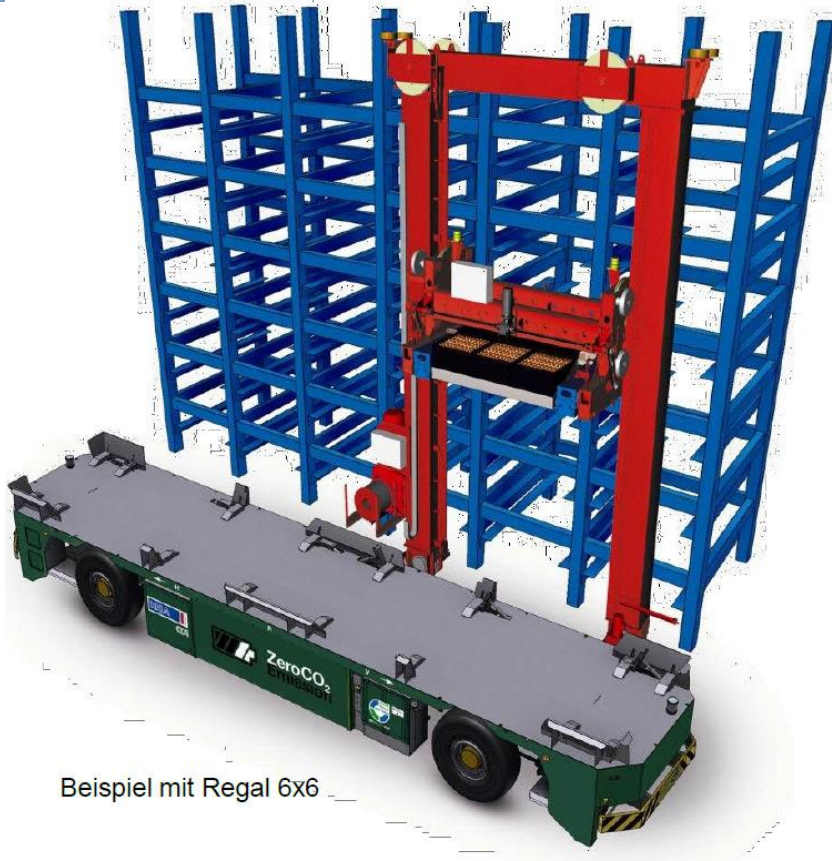
- 3 cranes (expansion up to 6 cranes)
- 80 m system width
- Automatic track closure for train arrival with lowered pantograph

# AUTOMATIC TRANSPORT VEHICLES

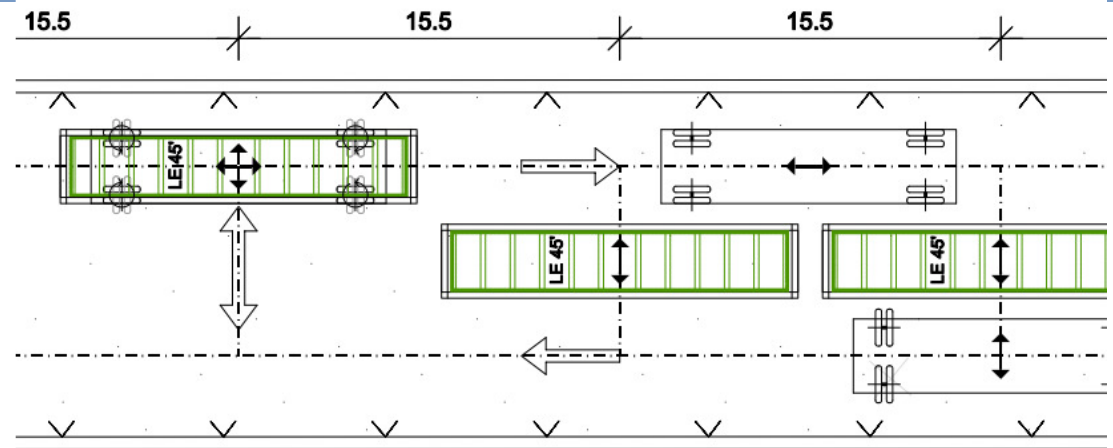


- Vehicles use a secured fenced area between the tracks (operations stop, when this area is accessed)
- 3 lanes (2 driving and 1 loading/unloading)
- Transportation of loading units parallel to tracks

# AUTOMATIC TRANSPORT VEHICLES



Beispiel mit Regal 6x6



Automatic vehicles have a number of advantages:

- Running on batteries and almost without emission
- Optimization of crane capacity
- Loading units don't need to be transported by cranes in longitudinal direction
- Fully automatized operation of the whole terminal

## TIMETABLE FOR STARTING MEGAHUB LEHRTE

### **Implementation**

Start of Road/Rail – Operations

06/2020

Start of additional relations (including weekend operations)

10/2020

Complete operational implementation

12/2020



## PARTNERS IN PLANNING AND OPERATION OF MEGAHUB LEHRTE



DB Netz – MegaHub owner

**DUSS Deutsche Umschlaggesellschaft Schiene-Straße**

(Shareholder: 75% DB Netz AG / 12,5% DB AG / 12,5% Kombiverkehr)



**MegaHub Lehrte Betreibergesellschaft** – MegaHub operator

(Shareholder: 83,33 % DUSS / 16,67% Kombiverkehr)



**Kombiverkehr GmbH & Co. KG**



THANK YOU FOR YOUR ATTENTION