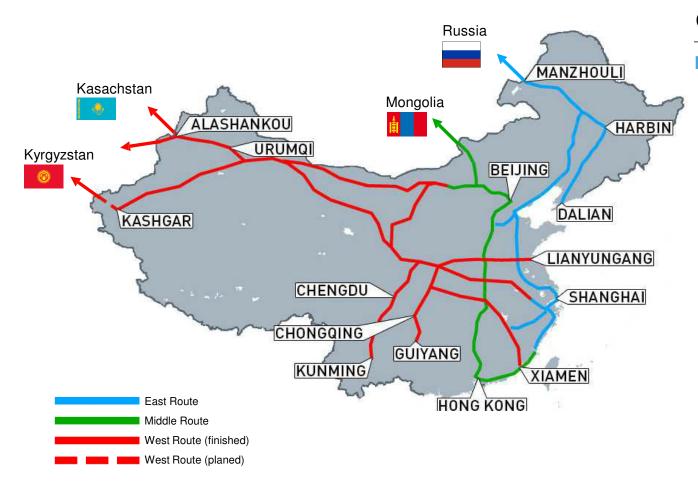


### The Eurasian Landbrige Importance for the Danube Region



## The railfreight system in China connects the megacities and all industrial regions





#### **China's Rail System**

#### **East Route**

- Connects the main East Coast Cities
- Linked to the Transsib and Transit Russia

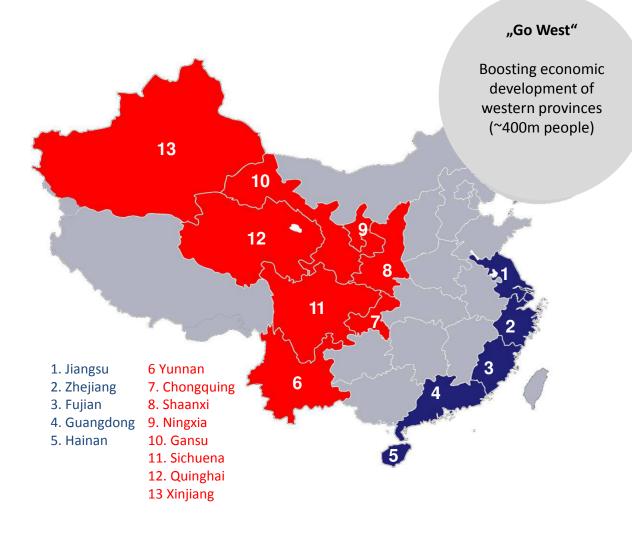
#### **Middle Route**

- Connects Beijing with Hongkong
- Linked to the Transsib and Transit Russia

#### **West Route**

- Connects the western Regions of China
- Linked with the New Silk Road and Trans-Kasachstan Rail
- CKU Railway Project in negotiation (China-Kyrgyzstan-Uzbekistan)

## The western regions are in the focus of the "Belt-and-Road" initiative

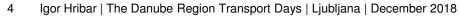


#### 'One Belt, One Road'

- Started in 2013
- Project to create new transcontinental trade routes that will benefit different areas to general globalized trade
- 13 provinces are expected to benefit, primarily western areas

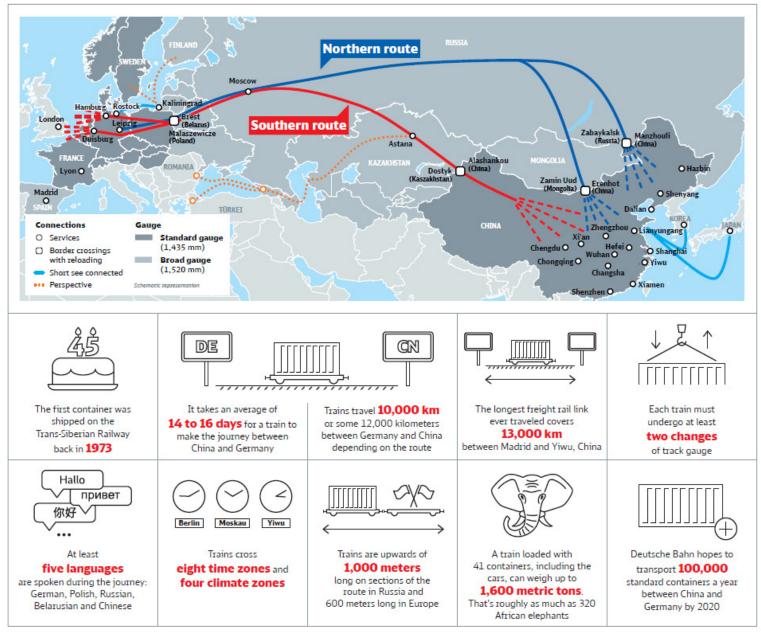
**DB** SCHENKER

- Investments will lead to creation of new markets
- Key areas:
  - Healthcare
  - High-tech manufacturing and transport
  - E-commerce
  - Finance
  - Agriculture
  - Infrastructure



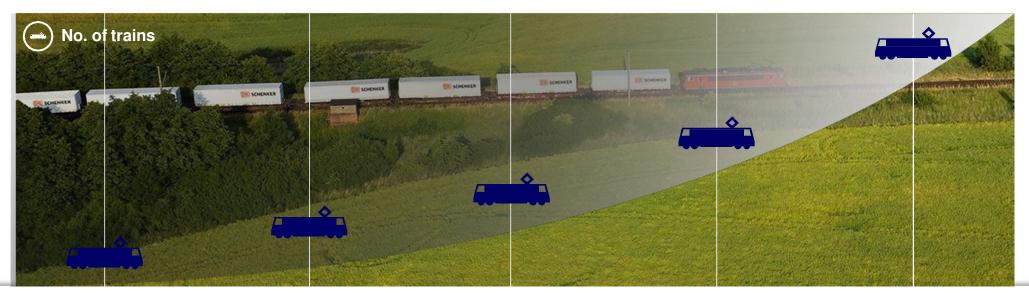
### 10 years of the succes story "China by Rail"





### 5000 trains will be operated in 2020





#### Until 2011

1<sup>st</sup> train started in **2008** from Beijing to Hamburg

**2010**: tests on Northern and Southern route

**2011: Company trains** Chongqing – Duisburg and Leipzig – Shenyang

#### 2012 + 2013

Regular trains eastand westbound (CN-EU v.v.)

Regular container shipments from China to CIS countries

First regular **multicustomer train** Zhengzhou–Hamburg

#### 2014 + 2015

Growing number of east- and westbound train services

DB Schenker enlarged service portfolio:

- Rail/Air
- LCL

Reefer shipments

#### 2016 + 2017

2200 trains WB and 1100 trains EB were operated in 2017 by the end of November

ChinaRailways announced to increase number of trains per year up to • 5000 trains in 2020 2018 - 2030

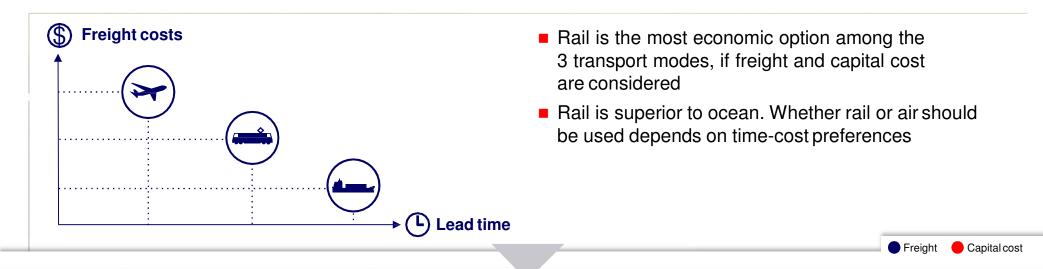
Rail potential according UIC\*-study:

- 7756 trains in 2027 (21 train daily)
- 9880 trains in 2030 (27 trains daily)

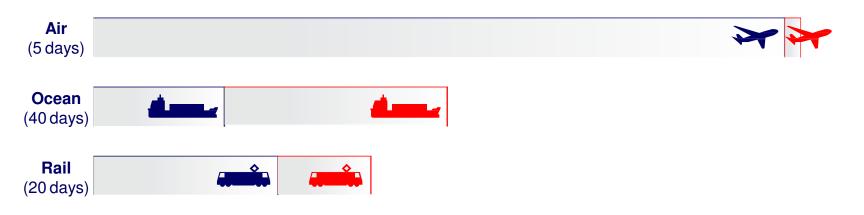
\*presented August 2017 with Roland Berger in Paris

### Considering capital and freight costs Rail is the most economic option



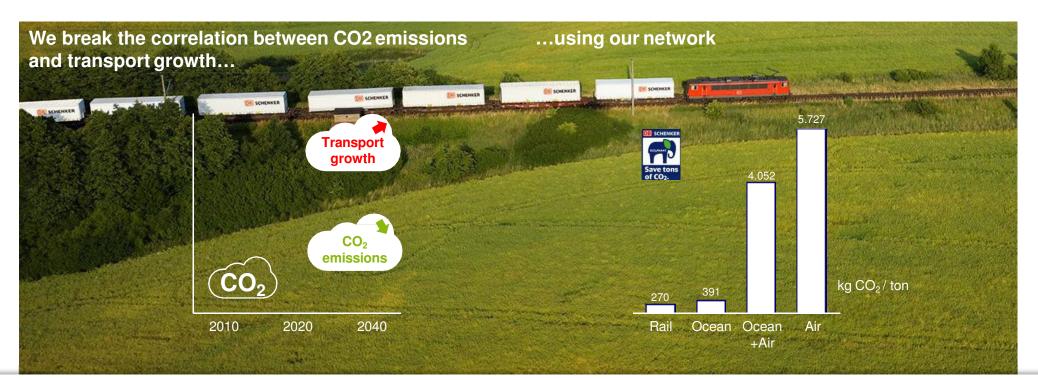


#### Example: freight & capital cost for High Value Goods



## Green Logistics: apart from economic advantages Rail offers the most environmentally friendly transport mode

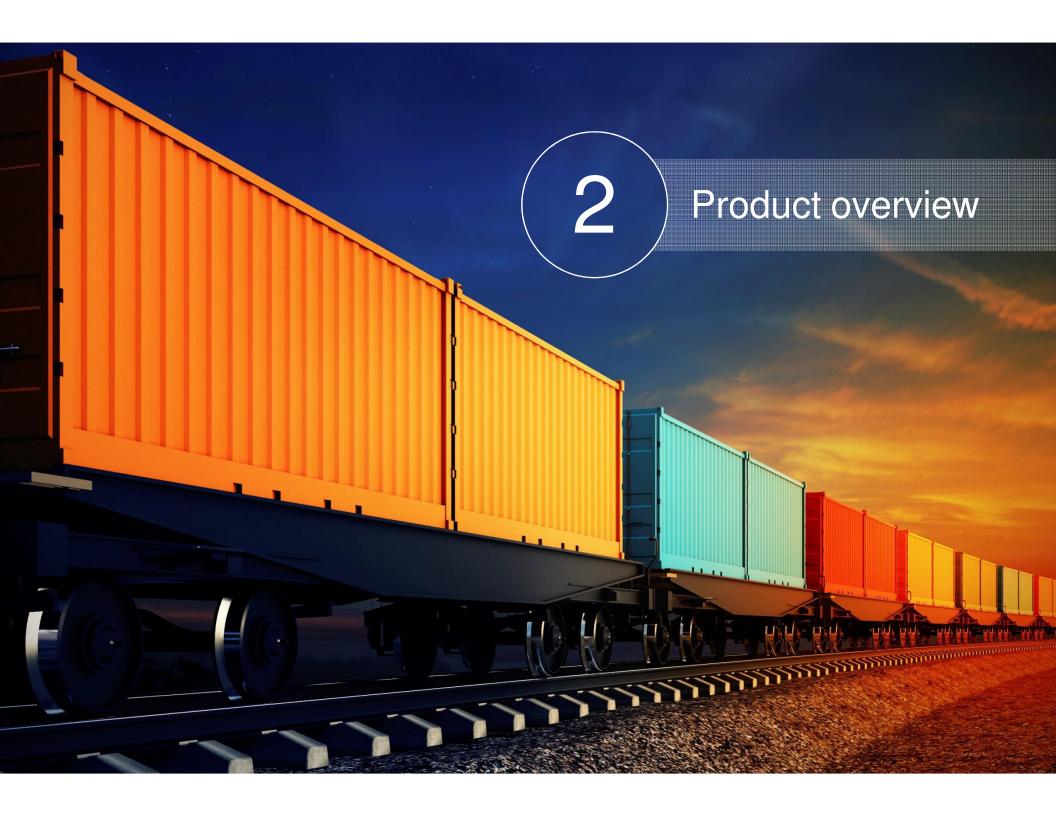




From an environmental perspective Rail transport is the preferred choice for shipments between China and Europe Rail is not only the most ecological mode of transport in terms of CO2 emission but also regarding other pollutants<sup>1</sup>)

Rail service between China and Europe makes sense from an environmental as well as a business perspective

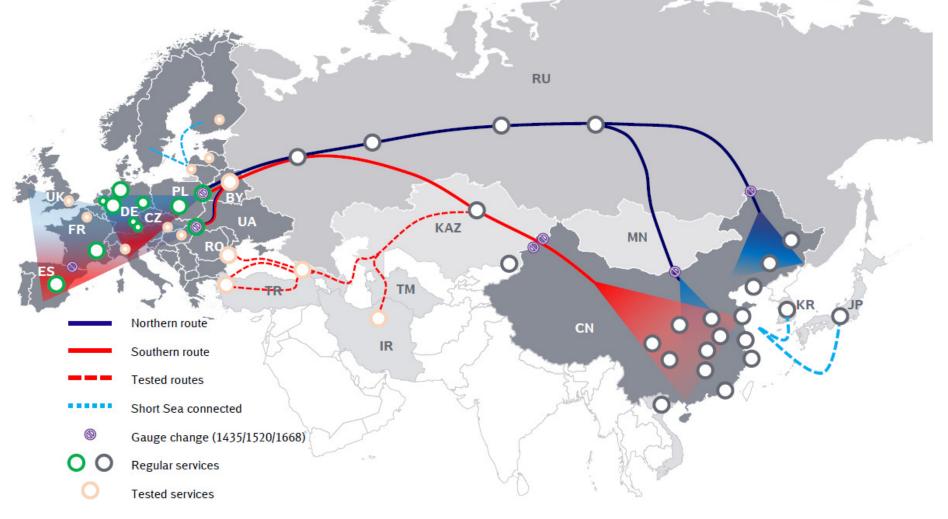
1) e.g. PM (particulate matter), NMHC (non-methane hydro carbons), SO2 (sulphur dioxide), NOx (nitrogen oxide)



## DB Schenker's network of Land Transport is well connected by New Silkroad rail system



 Key USP: leading networks of Schenker Land Transport in Europe and China are seamless connected by Trans-Eurasian intermodal blocktrains



Igor Hribar | The Danube Region Transport Days | Ljubljana | December 2018

# China: DB Schenker connects New Silkroad rail network with own local presence and expertise

ILLUSTRATIVE

**DB** SCHENKER

## More than 50 years in China

DB Schenker China at a glance

- Full regional coverage with offices in 60 cities
- 5,700 logistics specialists
- 87 warehouses\*
- 940,000 m<sup>2</sup> warehouse area\*
- Class A licensed international freight forwarding company

### Operational expertise + creation of blocktrain products for Chongqing and Zhengzhou + documentation, customs, routing options, local presence etc.

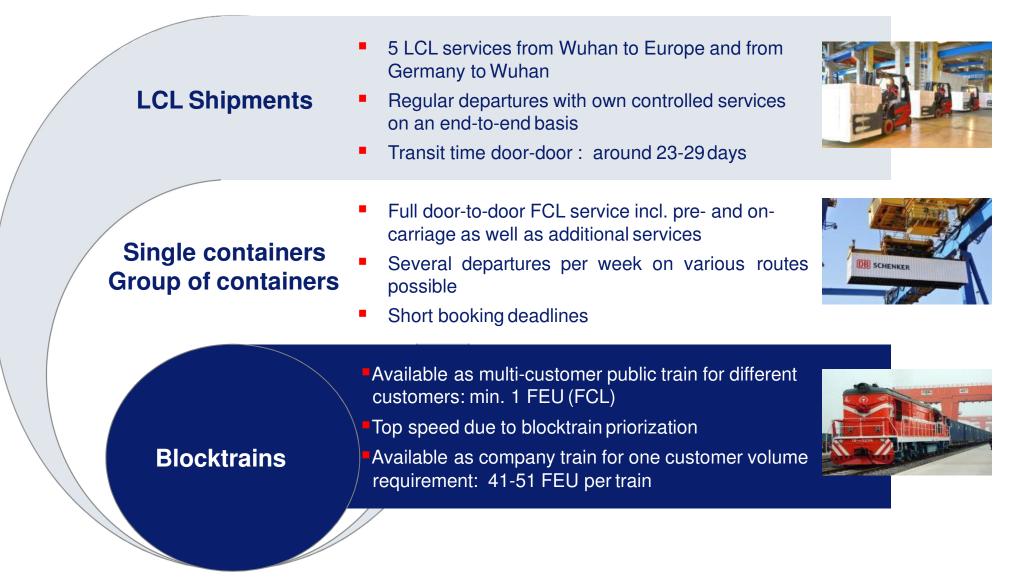
 Close ties to China Railway CRCT, CRIMT, Local Railway stations, Terminal JV CR Intermodal

\*Includes air freight, ocean freight and contract logistics warehouses



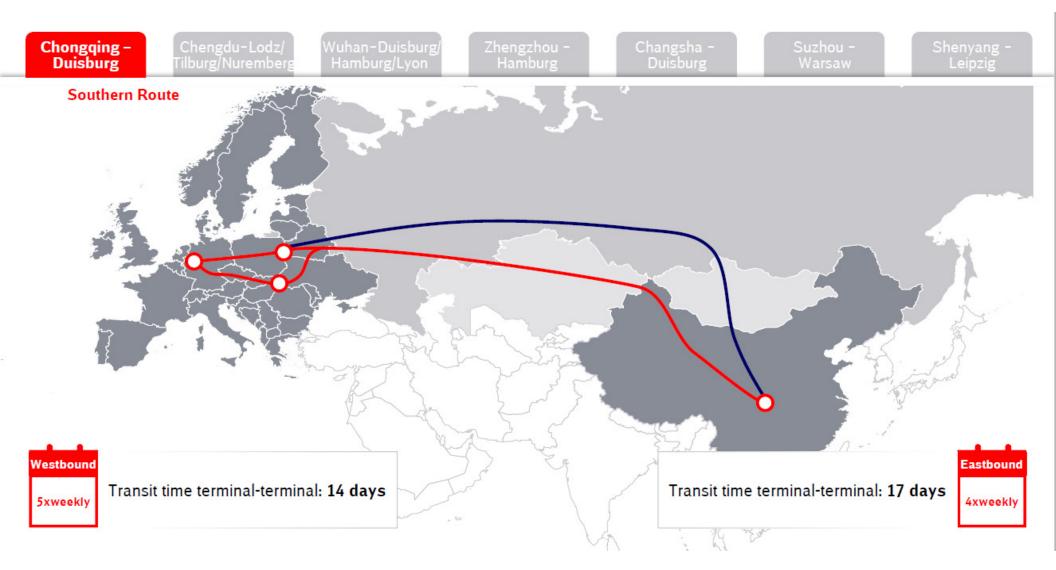
## Full scope of rail products is operated on the Trans Eurasian corridor





### Overview on main blocktrain services and routes





## Basic Process and Transit Time Westbound

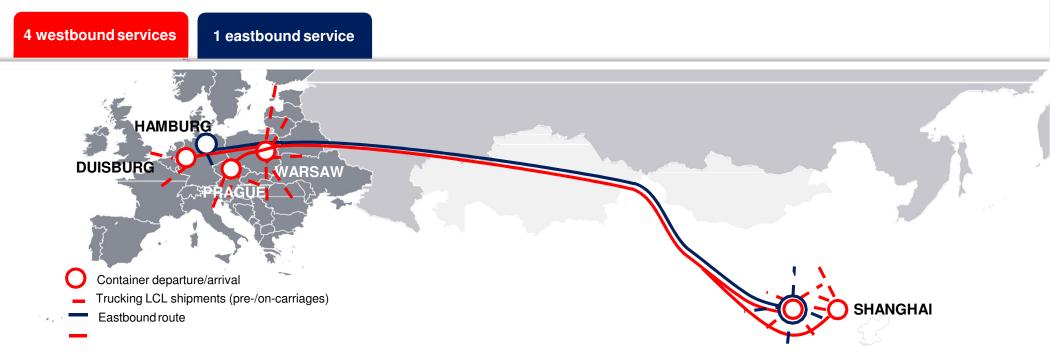




Country	Activity	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
China	booking and Pre-carriage																								
China	Consolidation																								
China	Cargo cut off at rail station																								
China	Train departure																								
Transit																									
Germany 14 Igor Hribar   T	Train arrival he Danube Region Transport Days   Ljubljan	a   De	cemt	per 20	018																				

### Rail LCL service overview





#### LCL service:

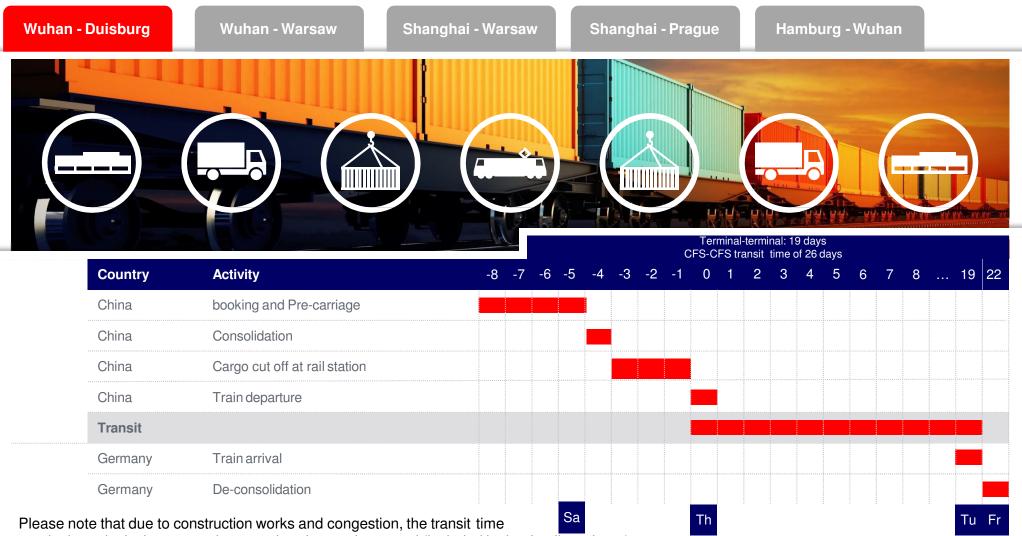
- Depending on the destination area various routes are viable
- Western European as well as Eastern/South Eastern European market connect
- Transit time door-door: 24-28 days including terminal cut off, consolidation, transit and de-consolidation
- Groupage and part loads

#### Your benefits:

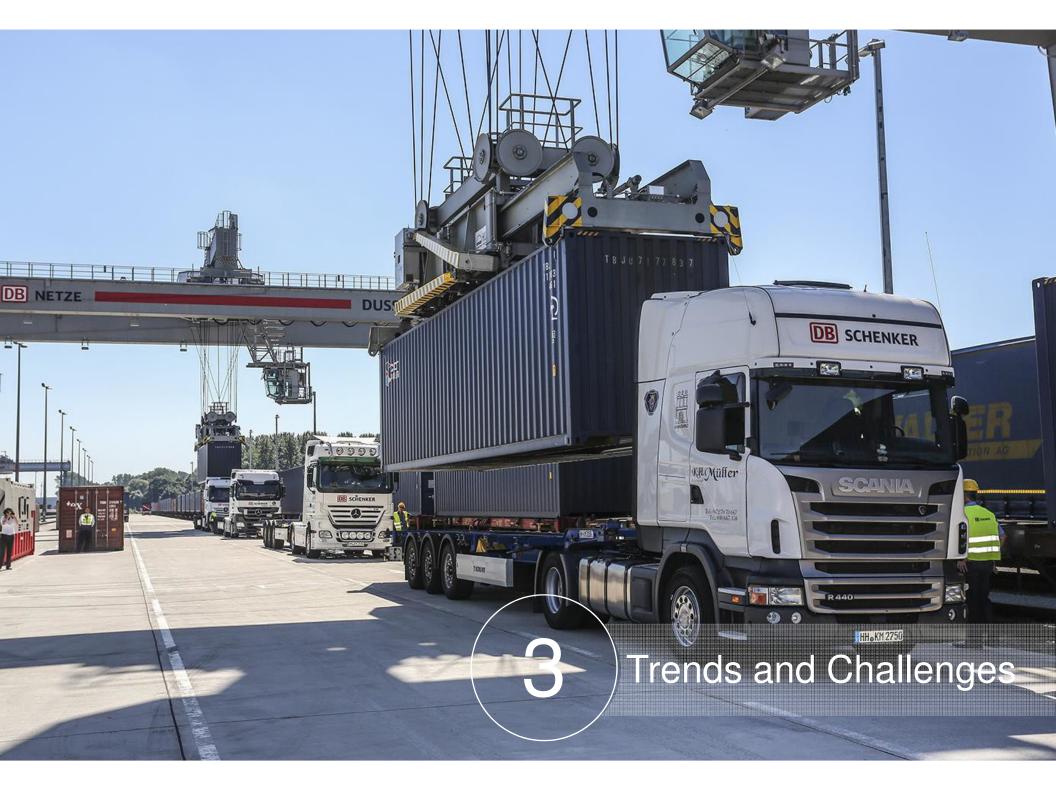
- Frequent and reliable connections to all destinations in Europe via DB Schenker's broad Land Transport network
- Complete DB Schenker end-to-end responsibility
- Flexible and fast solutions for your time critical and high-value groupage and part loads

### Basic Process and Transit Time Westbound Wuhan-Duisburg



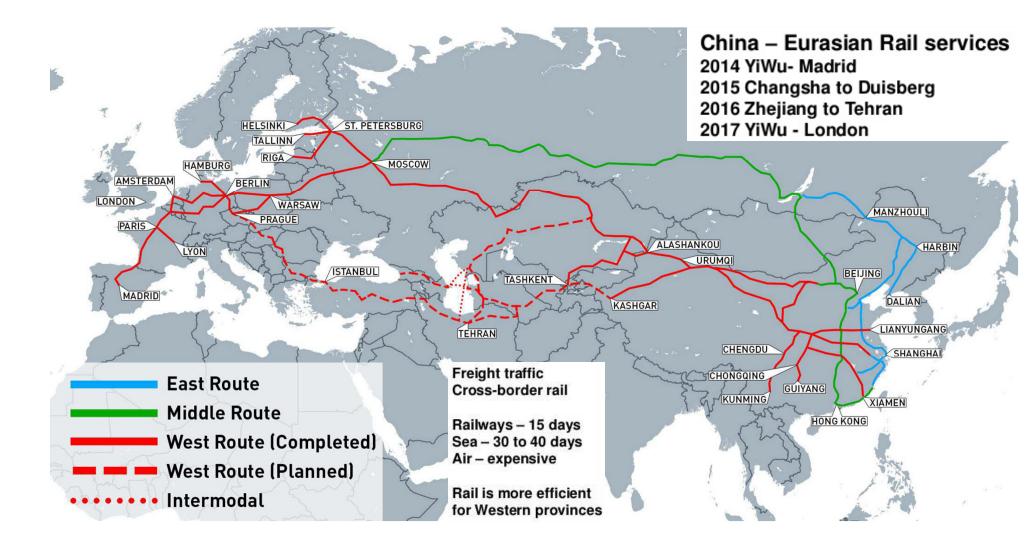


terminal-terminal takes currently 2 to 3 days longer than usual (included in the timeline above).





# China plans the creation of new corridors through the Middle East to Europe





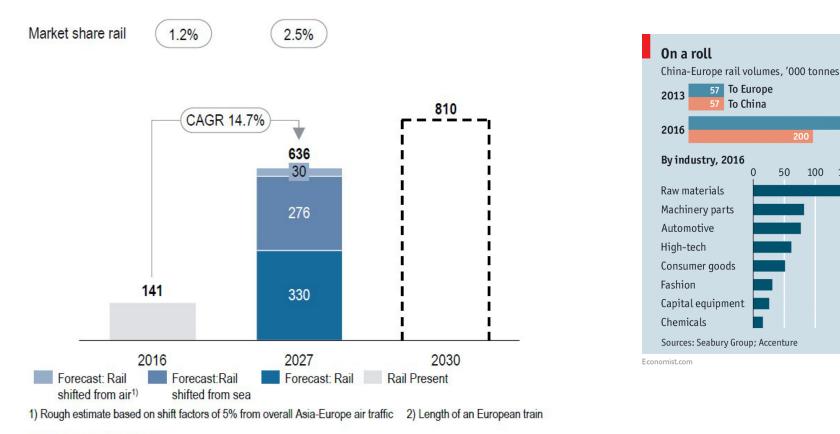
311

50 100 150 200

## Estimated Rail Potential – 636.000 TEU in 2027

**Roland Berger** 

### Forecast Rail Transport [000 TEU]



Source: Eurostat, Roland Berger

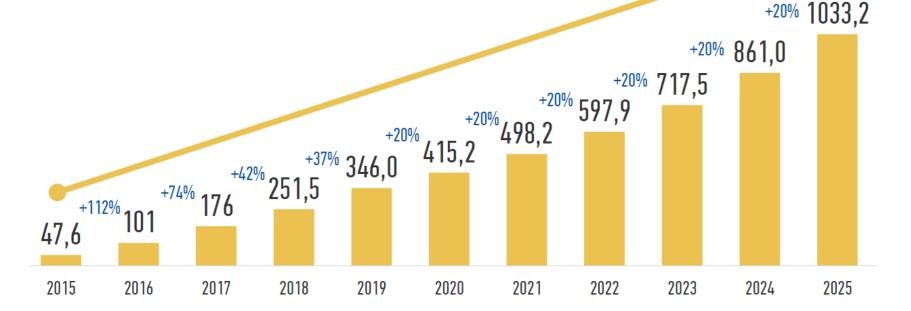


## Estimated Rail Potential > 1 mio TEU in 2025

UTLC - Eurasian Rail Alliance\*

## **UTLC ERA one million club**

The total number of containers transported by deep sea between South Eastern Asia/China and EU in 2017 exceeds 23 million TEU



Source: UTLC, September 2018

\* UTLC ERA Shareholders: JSC Russian Railways, National Union Belarusian Railway, JSC National Company Kazakhstan Temir Zholy



## Capacity, Capacity, Capacity

UTLC - Eurasian Rail Alliance\*



# Main dry border terminals in UTLC ERA services \*

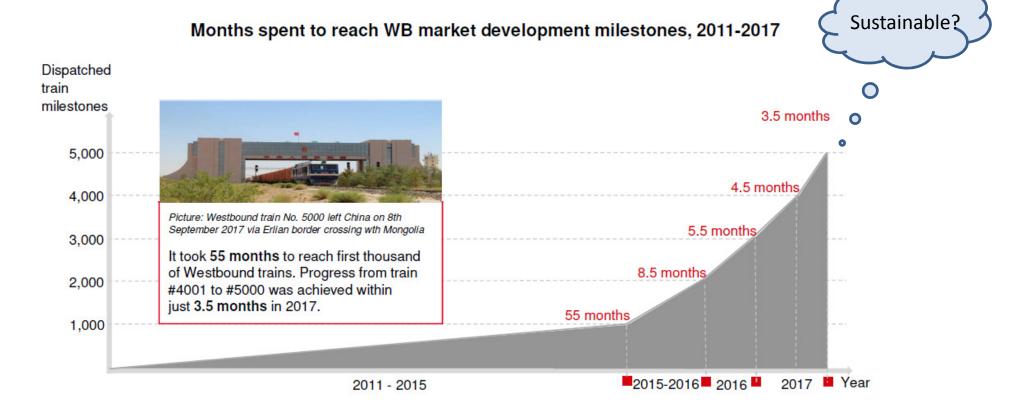
	Container trains, day	Capacity, thousand TEU/year
Chinese border Dostyk	12	360
Altynkol	30	900
EU border Brest	20	450
Bruzhi	4	60
Svislach	4	60
Kaliningrad	16	450

\* Capacity expected for 2019

Source: UTLC, September 2018

\* UTLC ERA Shareholders: JSC Russian Railways, National Union Belarusian Railway, JSC National Company Kazakhstan Temir Zholy

# The dynamics of the market development is increasing – but...





## The Potential for the Danube Region ?





RAILFREIGHT	BELT AND ROAD	BUSINESS	TECHNOLOGY	CORRIDORS	POLICY	ADVER



The Hungarian government is to deploy eight new intermodal yards; seven in the countryside and one near Budapest to accommodate rail freight traffic from the Far East to Europe. It is eyeing a strategic position as an eastern European gateway on the New Silk Road.

- Intermodal terminals: currently limited logistic infrastructure to be expanded
- International railway lines: to be modernized and capacities increased
  - Beograd Budapest
  - Budapest Malaszewicze
- Local railway lines: upgrading of the lines and signalling systems, modernization of the rail stations
- Customs: improvement of the customs processes and counterfeit practices

Source: www.railfreight.com





### Thank you for your attention!

Igor Hribar

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The Eurasian Landbridge: Importance for the Danube Region