



Hupac solutions

Dr. Alberto Grisone –
Director Business development Russia, CIS, Far East and Middle East

Bruxelles, 21.11.2018



We shape the future of intermodal transport

763,100 road shipments

1,370,000 TEUs

110 trains per day

470 employees

5,900 rail platforms /

220 rail platforms for 1520 rail network

CHF 485.6 million turnover

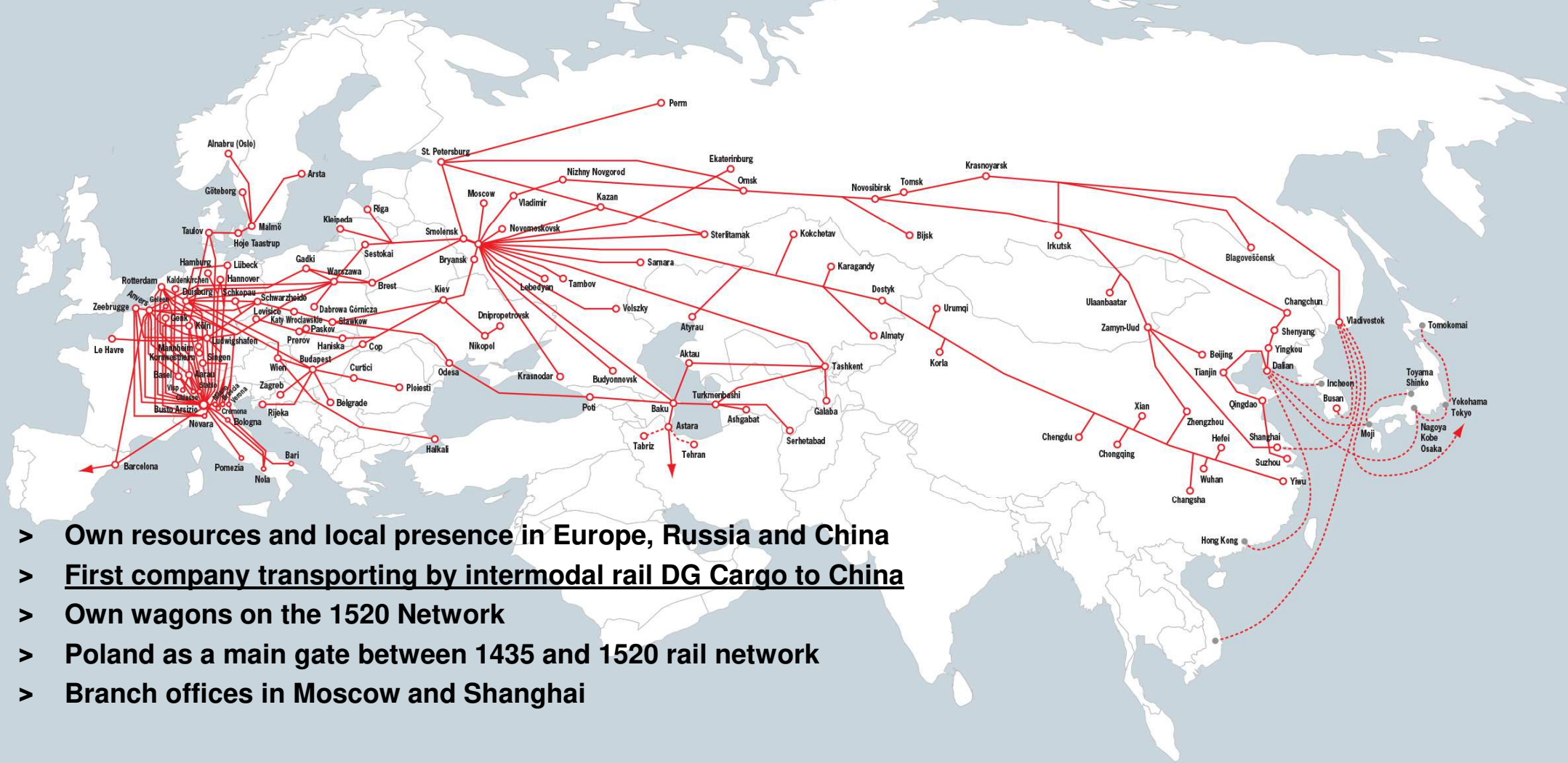
CHF 48.0 million EBITDA

100% low-noise wagon fleet

Figures 2017





We link Europe to Russia, CIS, Iran, China, Japan, South Korea



- > Own resources and local presence in Europe, Russia and China
- > First company transporting by intermodal rail DG Cargo to China
- > Own wagons on the 1520 Network
- > Poland as a main gate between 1435 and 1520 rail network
- > Branch offices in Moscow and Shanghai

Combined transport – future-oriented system

EU target: transportation > 300 km on rail or ship; 2030 = 30%, 2050 = 50%

Standardized system	Advantages for all
	
<ul style="list-style-type: none"> > Hundreds of thousands of standard loading units (containers, swap bodies, semi-trailers) > 700 terminals and ports > 60,000 rail platform > 2,000 cargo locomotives > Long-term system commitment 	<ul style="list-style-type: none"> > 5.9 billion EUR turnover > 41,000 jobs > 18.1 million tons CO₂ reduction > 2.2 billion EUR less external costs

Source: UIC Report on Combined Transport 2014

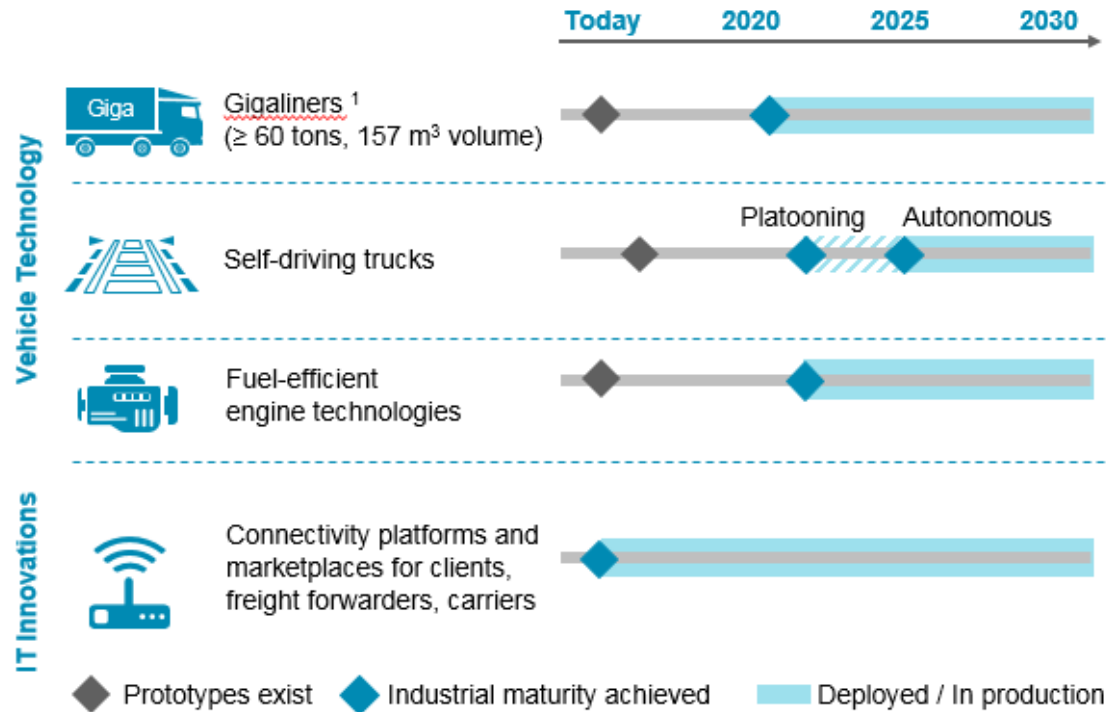
Competitiveness of road

Production costs

Low fuel prices: impact minus 5-7%

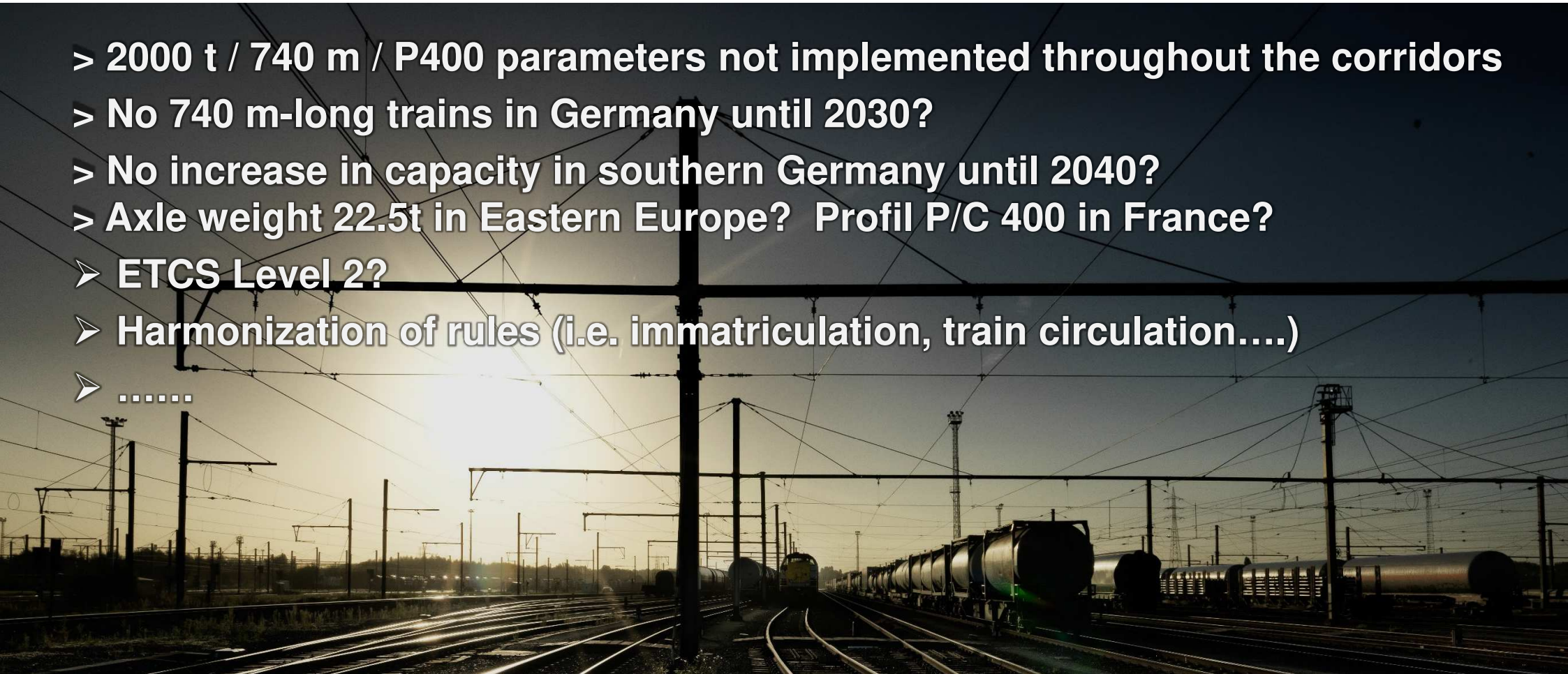
Innovations

Enormous productivity boost: potentially up to minus 25%

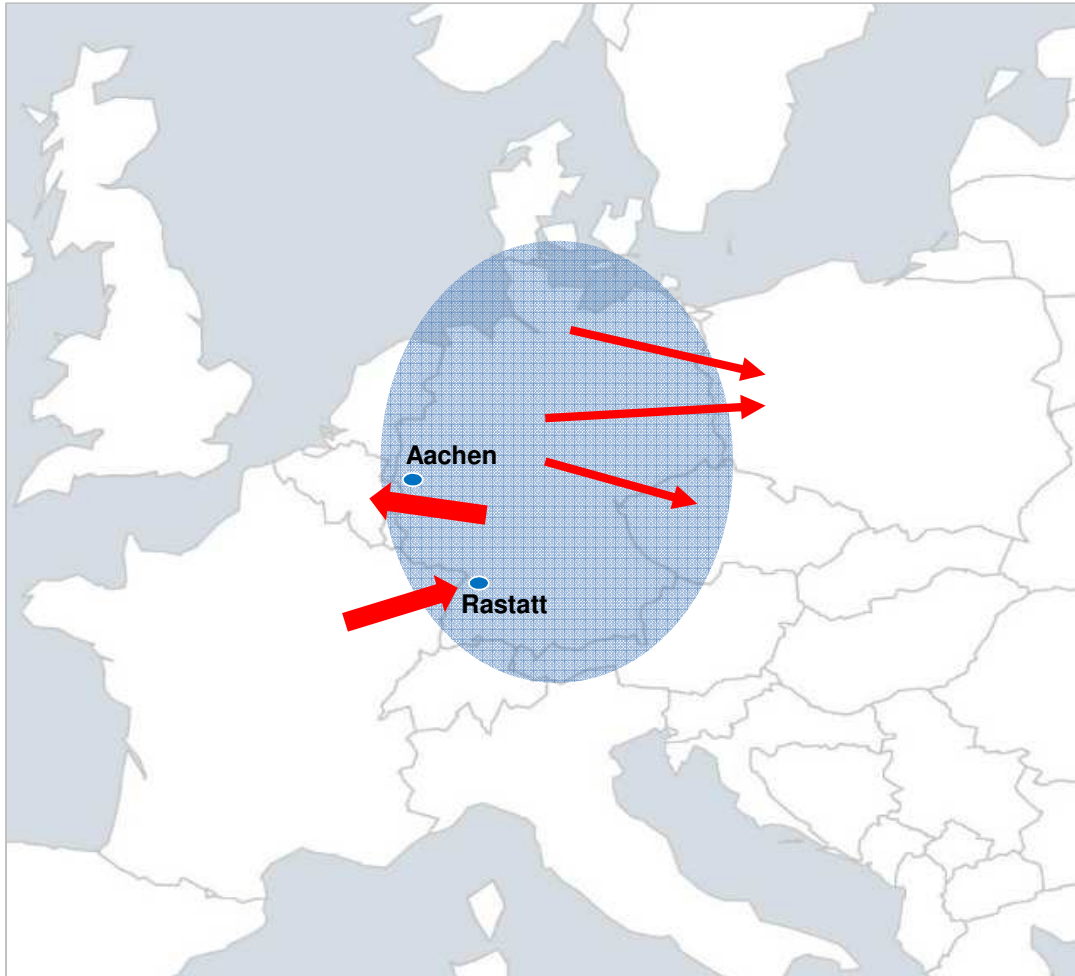


Competitiveness by rail?

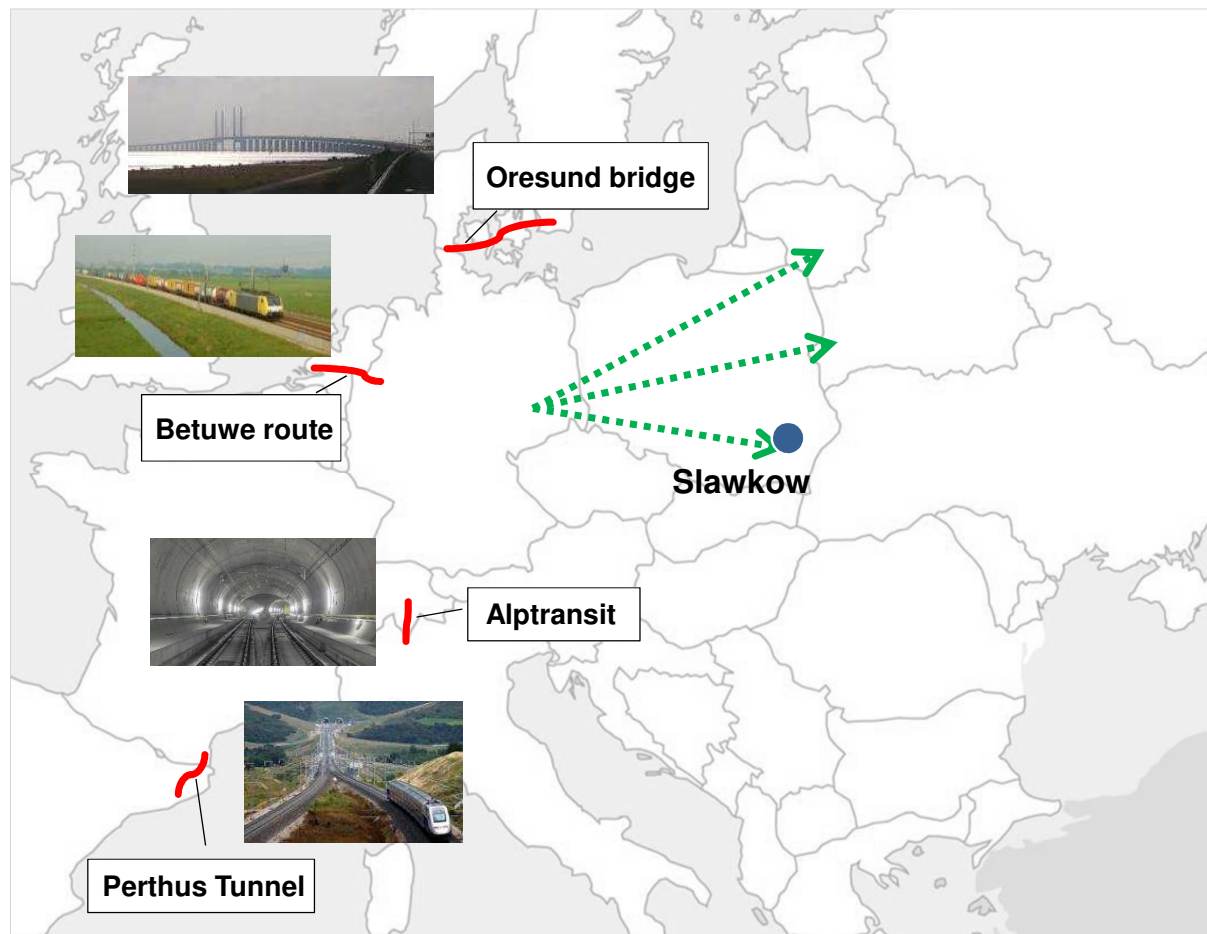
- > 2000 t / 740 m / P400 parameters not implemented throughout the corridors
- > No 740 m-long trains in Germany until 2030?
- > No increase in capacity in southern Germany until 2040?
- > Axle weight 22.5t in Eastern Europe? Profil P/C 400 in France?
- ETCS Level 2?
- Harmonization of rules (i.e. immatriculation, train circulation....)
-



Germany border bottlenecks



The usage of new railway infrastructures and the readiness for new ones



Productivity increase and enhancement of the competitiveness of Multimodal transport

Infrastructure

- Longer and heavier trains: in addition harmonisation in Europe as well as between 1435 EU, 1520 and in China

Simplification of communication among the railways in the Eurasian platform

- Telegraph.....among all the railways.....solutions to overtake this system
- Shorter block intervals: more trains, better use of the network capacity

Rolling stock

- Higher payload: harmonisation of axle load 22.5 and increase to 25 t

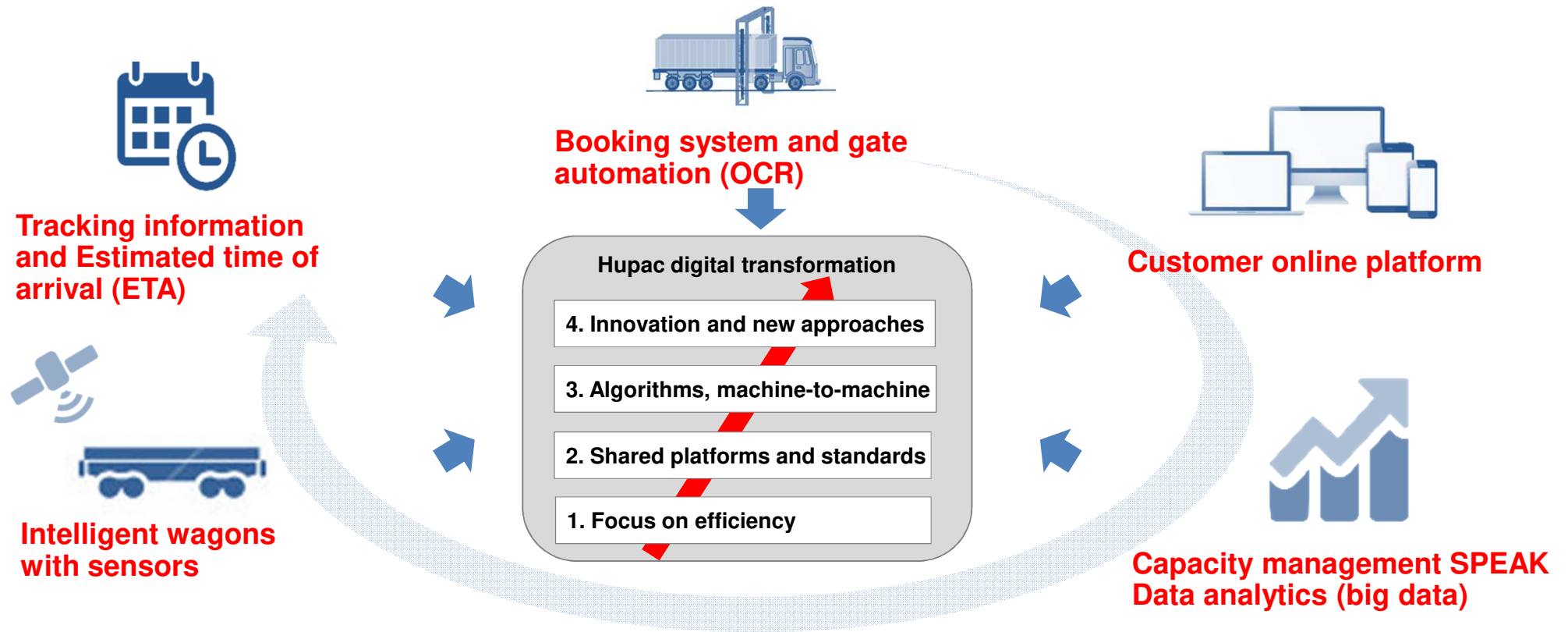
Transportation of dangerous cargo

- Harmonization among all railway networks

Transportation of tank container and chemical goods

- Better harmonization among all the railways networks

Digital transformation focus



Innovation with focus on:

- > Service to customers: booking-to-billing, tracking information & Estimated time of arrival
- > Production: capacity management, information flow, processes
- > Safety: detection of irregularities
- > Rolling stock: predictive maintenance



Thank you for your attention!

