



# Our Intermodal Network from Atlantic to Pacific

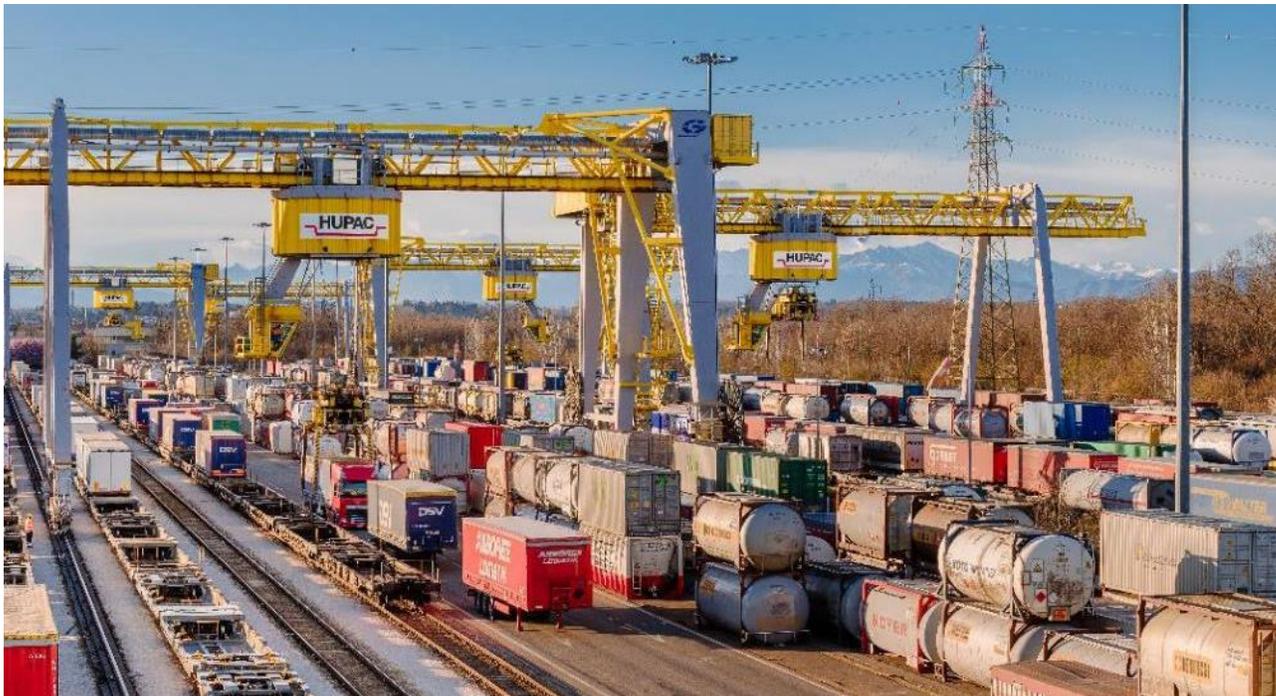


Road consignments  
shifted to the railways  
1,913,00 TEU



Trains per day  
operated in the  
Hupac Group network

# Own assets, innovative technology



**Wagon modules**  
for the transportation  
of loading units



**Loading units**  
handled in the terminals  
of the Hupac Group

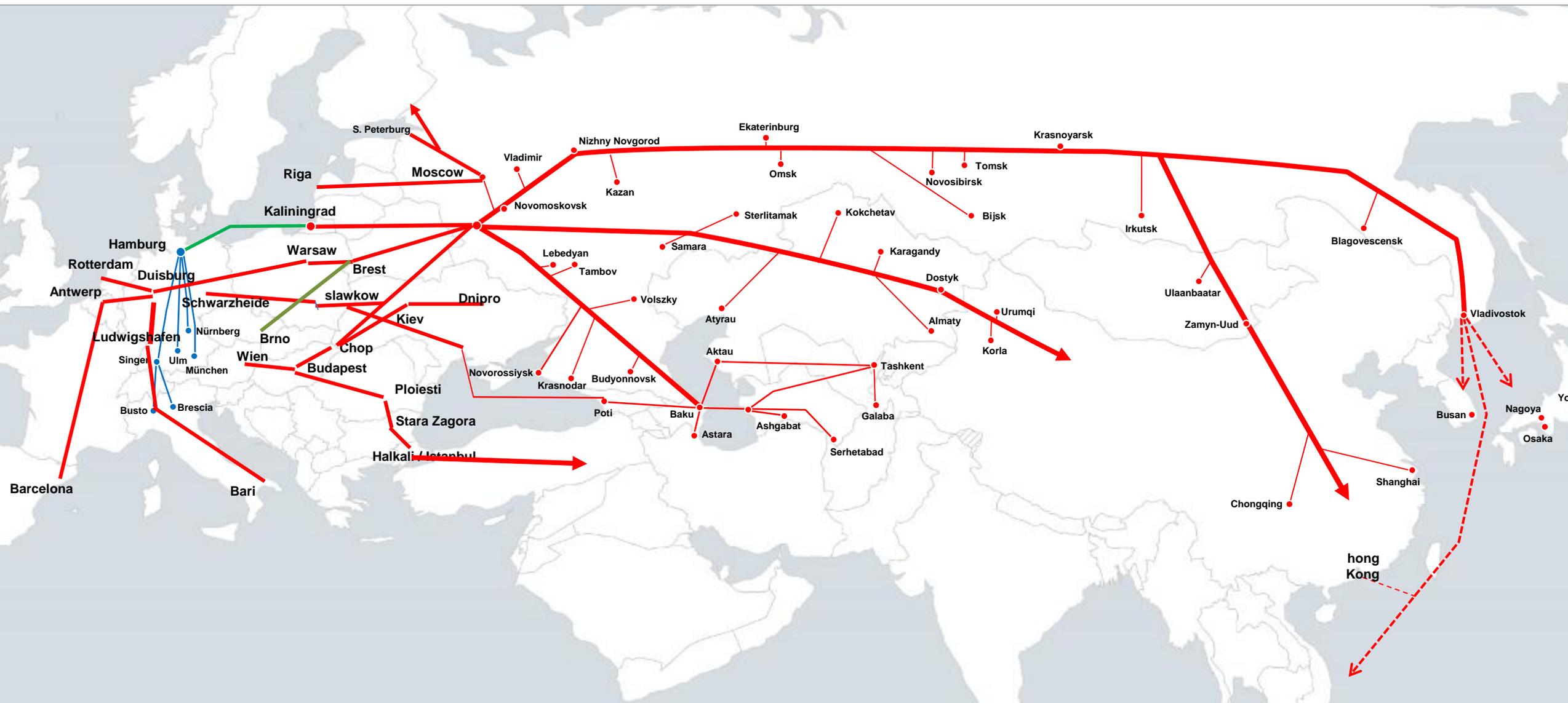


**Staff members**  
in the 23 companies  
of the Hupac Group

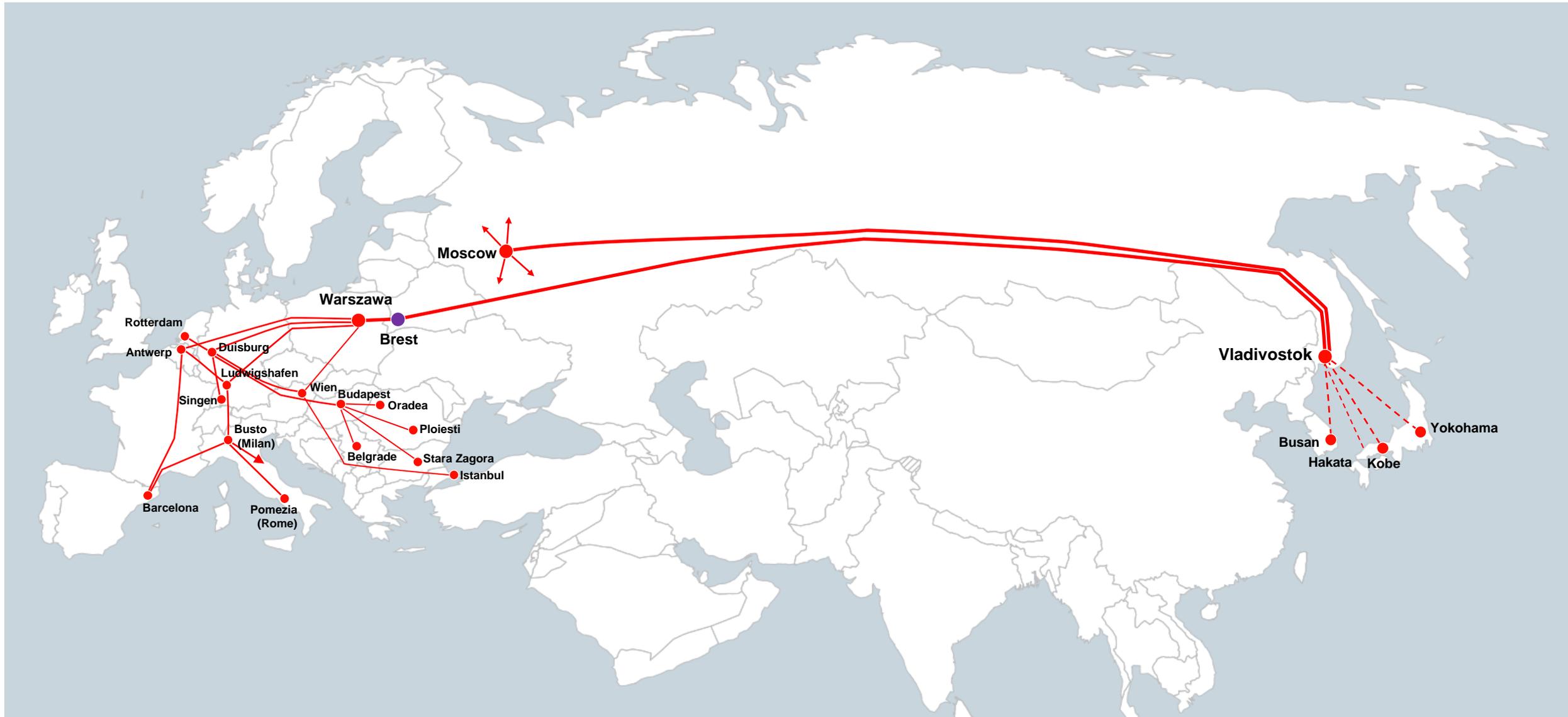


**Trucking services**  
performed for customers  
in the maritime sector

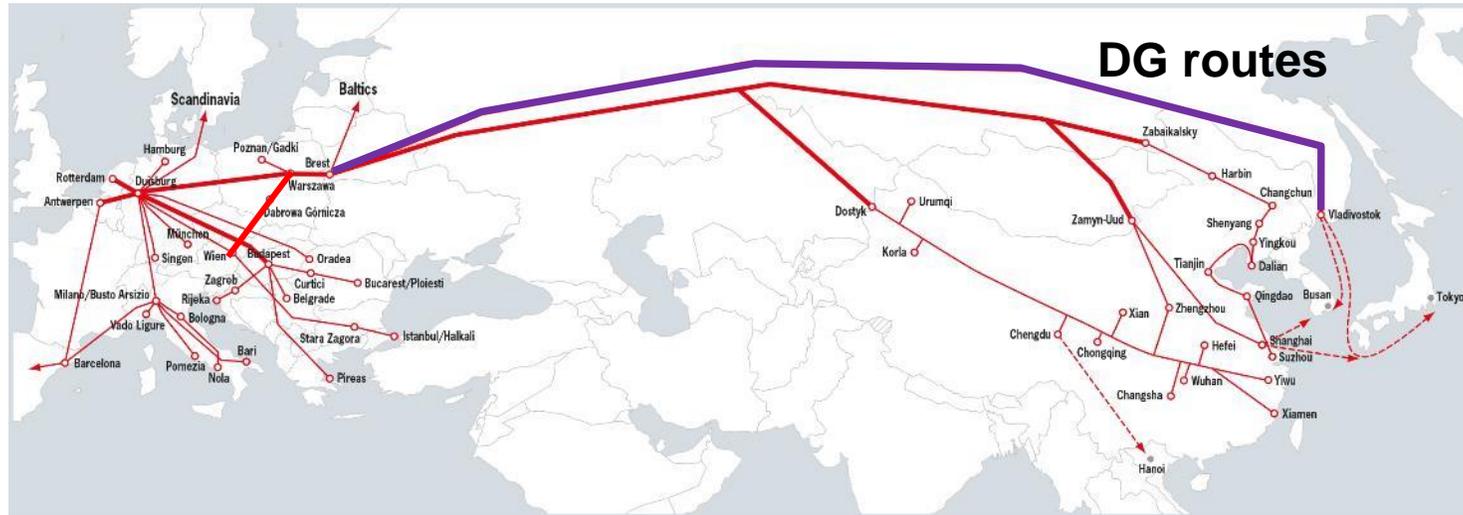
# Our Network connecting East ⇄ West



# Through Vladivostok/Vostochny Ports Europe ⇄ Japan/South Korea



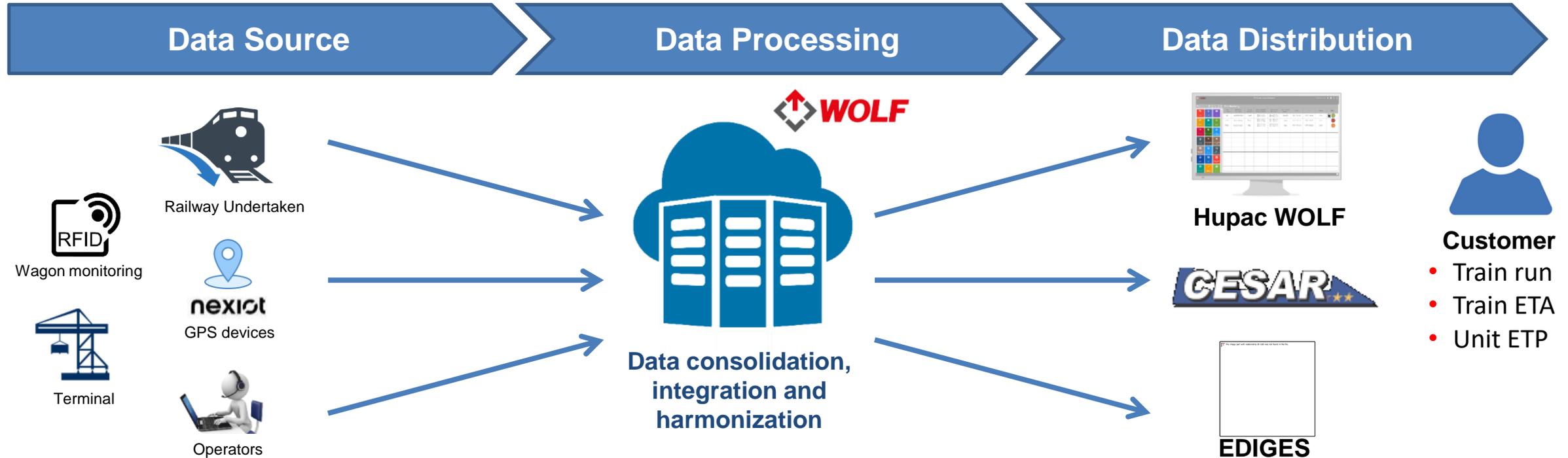
# DG Cargo to China and Asia – Tank container on rail



- > Hupac – over 50 years of experience in chemical transportation
- > Branch offices in Moscow and Shanghai
- > Connecting networks: Europe and China via Russian landbridge
- > Single container & block train solutions

- > **CHALLENGE:** transportation of tank containers on the Silk Road
- > Potential of 2 million TEUs/year = 24.000 block trains per year
- > Majority of terminals in China reject tank containers
- > Rail transportation of dangerous goods is not admitted in China
- > Hupac offers DG solutions via Vladivostok and with special permits
- > **We are working to obtain a standardized solution also within China for DG tank containers**

# Digitalization, Harmonization



- **Train run and ETA/ETP** are collected from the RUs, Terminals and other sources (EDIGES or semi-automatic)
- Train's **current position** is shown regularly via a GPS receiver every ten minutes (Nexiot)

- Hupac **data centers** receive data related to the trains in real-time
- **Big data architecture** support the data collection
- **Hupac WOLF** core software **analyzes and transforms** the data into useful business information

- This is then made **available** on a **WOLF** online portal, via **CESAR** or via **EDIGES** data interfaces
- **Integration** with the customers and partners



**Thank you for your attention!**

