



BOSSI PACIFIC (HK) LTD.



Trans Eurasia
International Rail Transport
Introduction

The Belt and Road Initiative

WHAT IS THE BELT AND ROAD INITIATIVE?



The Belt and Road Initiative, proposed by Chinese President Xi Jinping during his visits to Central and Southeast Asia in September and October 2013, aims to build a **Silk Road Economic Belt** and a **21st Century Maritime Silk Road** with related countries. Its route will run through the world's three major continents—Asia, Africa and Europe.

The **Trans Eurasia International Rail Transport** is an important component of the **Silk Road Economic Belt**.



Brief Introduction of Trans Eurasia International Rail Transport(1)

The “**Trans Eurasia International Rail Transport**” mainly refers to the “**China-Europe freight trains**”, which are marshaled freight trains carrying containerized cargo, connecting China and Europe.

The first pilot China-Europe freight train departed from Chongqing (headed to Duisburg, DE) on March 19, 2011, and it begun to flourish in 2013, when the “**Belt and Road Initiative**” was proposed. Up till September, 2016, there had been more than 2000 trains running between China different cities and Europe, including westbound and eastbound. Up till now, there are 8 main railway lines running steady and constantly, 6 railway lines running intermittently, while many new lines started their first train in 2016 and not sure how long they will last.

Since June 8, 2016, all China-Europe freight trains started to use the same brand “**China Railway Express**” according to the government request.



Brief Introduction of Trans Eurasia International Rail Transport(2)

According to different exit ports of **China-Europe freight trains**, the railway routes could be divided into three lines, west, central and east line.

West line: refers to railway lines exit China from **Alashankou** (or **Horgos**), **Xinjiang province**, which is located in northwest China;

Central line: refers to railway lines exit China from **Erenhot**, **Inner Mongolia**, which is located in north central border;

East line: refers to railway lines exit China from **Manzhouli**, **Inner Mongolia**, which is located in northeast border of China.

The transit distance of west line is the shortest to Europe, and the trains running west line are the fastest; the east line is the longest line to Europe, but they arrive in Russia very quickly.

We are mainly introducing the **8 steady railway lines** in this introduction.

Main rail hubs in China

For China-Europe freight trains



Westbound China-Europe railway lines (north and south China)



Location of POL	Railway line names	POL	POD	T/T (days)	ETD	Frequency /week	Exit China Border	Remarks
North China	Ha Ou	Haerbin	Moscow, RU	13	SAT	1	Manzhouli, CN	steady
			Hamburg, DE	18				
			Duisburg, DE	18				
	Shen Man Ou	Shenyang	Moscow, RU	14	FRI	1	Manzhouli, CN	
			Hamburg, DE	18				
	Zheng Ou	Zhengzhou	Malaszewicze, PL	11	TUE/THU /FRI/SAT	4	Alashankou, CN /Erenhot, CN	steady
			Warsaw, PL	13				
			Hamburg, DE	12-14				
	Lianyungang	Lianyungang	Central Asia	12-14	TUE/THU /SAT/SUN	1	Alashankou, CN /Horgos, CN	
South China	ShenOu	Shenzhen	Malaszewicze, PL	14-15	WED	1	Alashankou, CN	
			Duisburg, DE	16-17	WED	1		
South China	Guangzhou	Guangzhou	Moscow, RU	14-15	FRI	1	Manzhouli, CN	

Westbound China-Europe railway lines (central China)



Location of POL	Railway line names	POL	POD	T/T (days)	ETD	Frequen cy/week	Exit China Border	Remarks
Central China	Rong Ou	Chengdu	Lodz, PL	12	MON/TUE/THU/SA	4	Alashankou, CN	steady
			Nuremburg, DE	15	FRI	1		
			Tilburg, NL	15	WED	1		
	Yu Xin Ou	Chongqing	Malaszewicze,	13	MON/THU/SAT	3	Alashankou, CN /Horgos, CN	steady
			Duisburg, DE	15				
	Han Ou	Wuhan	Hamburg, DE	15	WED/FRI	2	Alashankou, CN	steady
			Duisburg, DE	15				
	He Xin Ou	Hefei	Malaszewicze,	13	FRI	1	Alashankou, CN	steady
			Hamburg, DE	15				
	Chang Man	Changsha	Hamburg, DE	15	FRI	1	Manzhouli, CN	
	Su Man Ou	Suzhou	Moscow, RU	14	SAT/SUN	1	Manzhouli, CN	steady
			Warsaw, PL	13				
			Hamburg, DE	16	SUN/MON	1		
			Duisburg, DE	16				
	Yi Xin Ou	Yiwu	Malaszewicze,	12	FRI	1	Alashankou, CN	steady
			Duisburg, DE	15				
			Madrid, ES	21				

Eastbound China-Europe railway lines



Location of POD	Railway line names	POL	POD	T/T(days)	ETD	Frequency/ week	Remarks
North China	Zheng Ou	Hamburg,DE	Zhengzhou	16	WED/THU/FRI/SUN	4	steady
		Mala, PL	Zhengzhou	16	WED/THU/FRI/SUN	4	
		Warsaw, PL	Zhengzhou	16	WED/THU/FRI/SUN	4	
Central China	Rong Ou	Lodz, PL	Chengdu	12	MON/WED/FRI	3	steady
		Nuremburg,DE		17	SAT	1	
		Tilburg, NL		17	THU	1	
	Yu Xin Ou	Duisburg, DE	Chongqing	16	THU/SAT	2	steady
	Han Ou	Mala, PL	Wuhan	17	SAT	1	steady
		Duisburg, DE		17	SAT	1	
		Hamburg, DE		17	SAT	1	

Westbound FCL (ctr types) & LCL service(1)

“China-Europe freight trains” are single-deck container block trains carrying 50×40’Cont. only on each train. The container types and consolidation service provided for different rail lines are as below.

Railway line names	POL	POD	LCL	FCL(container types)
Ha Ou	Haerbin	Moscow, RU	N	40’GP,40’HC,20’GP in pairs
		Hamburg, DE	N	40’GP,40’HC,20’GP in pairs
		Duisburg, DE	N	40’GP,40’HC,20’GP in pairs
Shen Man Ou	Shenyang	Moscow, RU	N	40’GP,40’HC
		Hamburg, DE	N	40’GP,40’HC
Zheng Ou	Zhengzhou	Malaszewicze, PL	Y	20’GP,20’HC, 40’GP,40’HC, 40’RF, 45’RF,20’OT(in gauge), 40’OT(in gauge),40’GOH
		Warsaw, PL	Y	
		Hamburg, DE	Y	
Lianyungang	Lianyungang	Central Asia	N	40’GP,40’HC,20’GP in pairs
Shen Ou	Shenzhen	Malaszewicze, PL , Duisburg	N	40’GP,40’HC
Guangzhou	Guangzhou	Moscow, RU	N	40’GP,40’HC



Westbound FCL (ctr types) & LCL service(2)

Railway line names	POL	POD	LCL	FCL(container types)
Rong Ou	Chengdu	Lodz, PL	N	40'GP,40'HC
		Nuremburg, DE	N	40'GP,40'HC
		Tilburg, NL	N	40'GP,40'HC
Yu Xin Ou	Chongqing	Malaszewicze, PL	N	40'GP,40'HC
		Duisburg, DE	N	40'GP,40'HC
Han Ou	Wuhan	Hamburg, DE	Y	40'GP,40'HC
		Duisburg, DE	Y	40'GP,40'HC
He Xin Ou	Hefei	Malaszewicze, PL	Y	40'GP,40'HC
		Hamburg, DE	Y	40'GP,40'HC
Chang Man Ou	Changsha	Hamburg, DE	N	40'GP,40'HC
Su Man Ou	Suzhou	Moscow, RU	N	40'GP,40'HC
		Warsaw, PL	Y	40'GP,40'HC
		Hamburg, DE	Y	40'GP,40'HC
		Duisburg, DE	N	40'GP,40'HC
Yi Xin Ou	Yiwu	Malaszewicze, PL	N	40'GP,40'HC
		Duisburg, DE	N	40'GP,40'HC
		Madrid, ES	N	40'GP,40'HC



Eastbound FCL (ctr types) & LCL service

Railway line names	POL	POD	LCL	FCL(container types)
Zheng Ou	Hamburg,DE	Zhengzhou	Y	20'GP, 20'HC, 40'GP, 40'HC,40'RF, 45'RF, 20'OT(in gauge), 40'OT(in gauge),40'GOH
	Mala, PL	Zhengzhou	Y	
	Warsaw, PL	Zhengzhou	Y	
Rong Ou	Lodz, PL	Chengdu	N	40'GP,40'HC
	Nuremburg,DE		N	40'GP,40'HC
	Tilburg, NL		N	40'GP,40'HC
Yu Xin Ou	Duisburg	Chongqing	N	40'GP,40'HC
Han Ou	Mala, PL	Wuhan	N	40'GP,40'HC
	Duisburg, DE		Y	40'GP,40'HC
	Hamburg, DE		Y	40'GP,40'HC



Ha Ou: Haerbin-Europe/Russia railway line



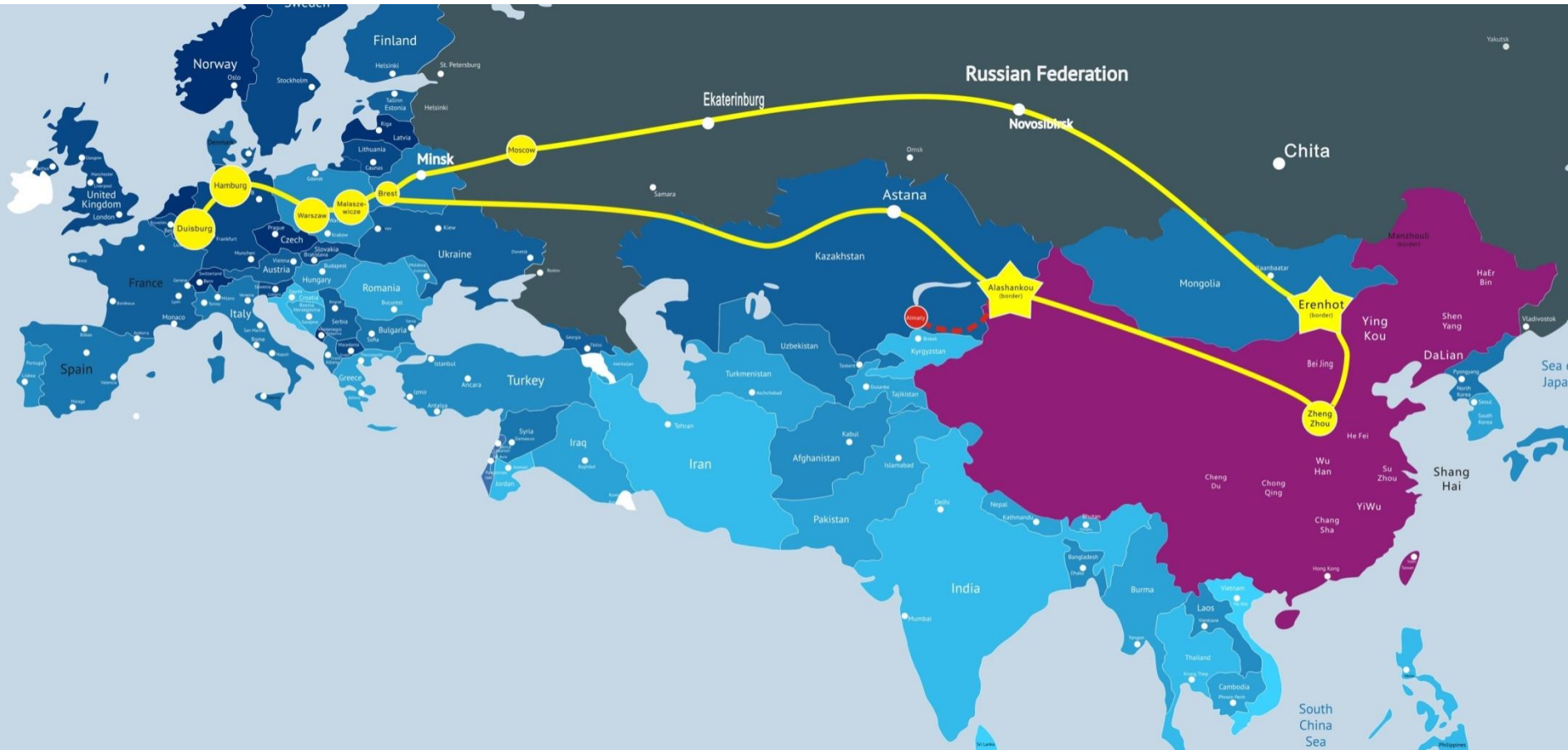
Ha Ou mainly attracts cargo from **north east China**.

Main focus: **Moscow, RU/Hamburg, DE**

T/time to Moscow: 12 days

T/time to Hamburg: 18 days

Zheng Ou: Zhengzhou-Europe railway line



Main focus: **Malaszewicze, PL/Warsaw, PL/Hamburg, DE**

T/time to Warsaw: 12-13 days

T/time to Hamburg: 12-15 days



Main advantages of Zheng Ou

Routes	POL	POD	T/T(days)	ETD	Frequency/week
Westbound	Zhengzhou	Mala, PL	11	TUE/THU/FRI/SAT	4
		Warsaw, PL	13		
		Hamburg, DE	12-14		
Eastbound	Hamburg,DE	Zhengzhou	16	WED/THU/FRI/SUN	4
	Mala, PL	Zhengzhou	16	WED/THU/FRI/SUN	4
	Warsaw, PL	Zhengzhou	16	WED/THU/FRI/SUN	4

- ✓The railway line providing most container types:
20'GP, 40'GP,40'HC,45'RF,20'OT,40'OT,40'GOH, single 20'Cont. could be accepted.
- ✓The railway line **having most westbound and eastbound trains per week.** 4 westbound and 4 eastbound per week.
- ✓Providing the **most stable consolidation service on each train**, both westbound and eastbound.

Rong Ou: Chengdu-Europe railway line



Main focus: **Lodz, PL/ Nuremburg, DE/ Tilburg, NL**

T/time to Lodz: 12 days

T/time to Nuremburg: 15 days

T/time to Tilburg: 15 days

Main advantages of Rong Ou

Routes	POL	POD	T/T(days)	ETD	Frequency/ week
Westbound	Chengdu	Lodz, PL	12	MON/TUE/THU/SAT	4
		Nuremburg, DE	15	FRI	1
		Tilburg, NL	15	WED	1
Eastbound	Lodz, PL	Chengdu	12	MON/WED/FRI	3
	Nuremburg,DE		17	SAT	1
	Tilburg, NL		17	THU	1

✓ Container types: **40'GP,40'HC**

✓ The only railway line arriving **Nuremburg, DE, and Tilburg, NL**, directly.

Yu Xin Ou: Chongqing-Europe railway line



Mainly attracts cargo in **south west China and south China.**

Main focus: **Malaszewicze, PL/ Duisburg, DE**

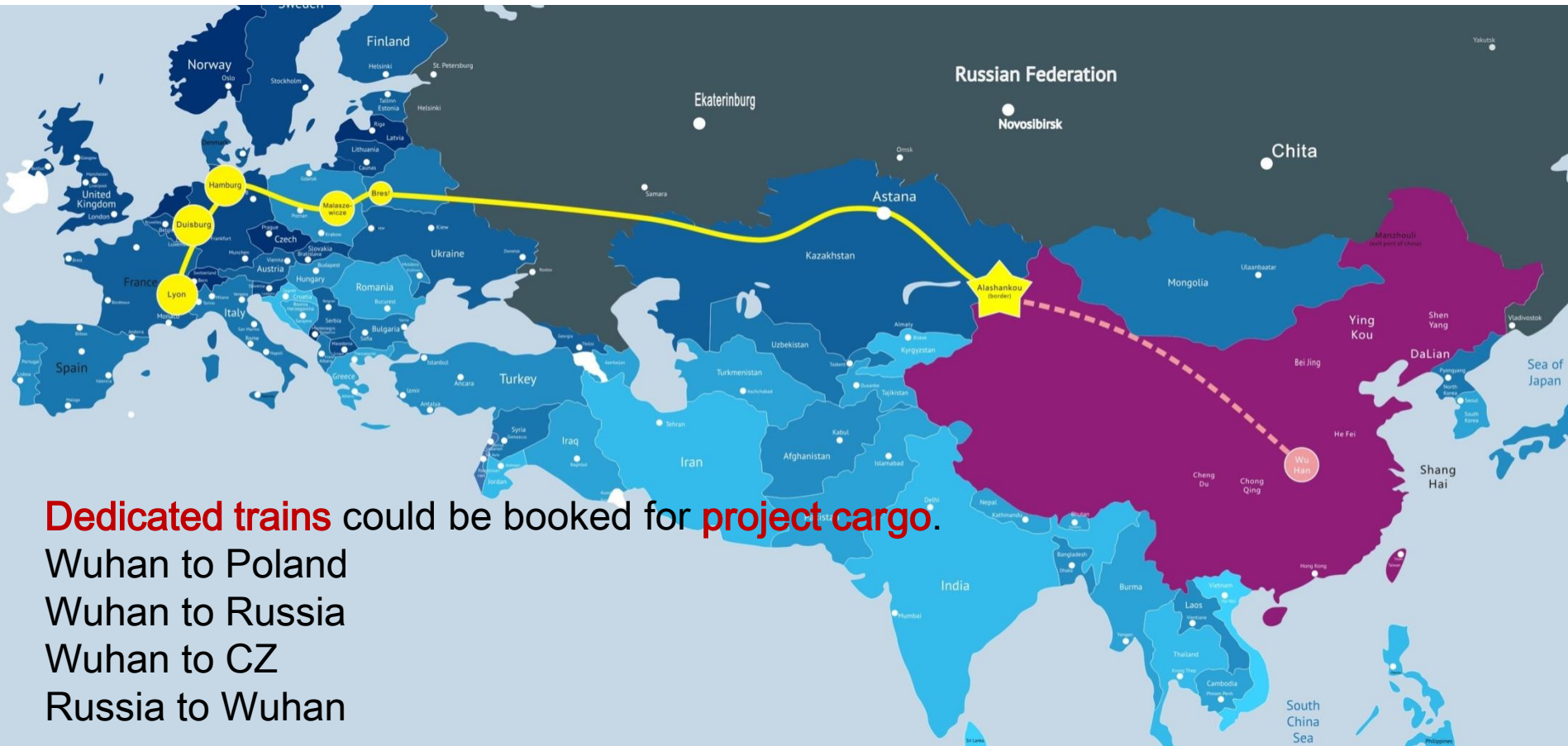
T/time to Malaszewicze: 12 days

T/time to Duisburg: 15 days

Westbound: **MON/THU/SAT**

Eastbound: **THU/SAT**

Han Ou: Wuhan-Europe railway line



Dedicated trains could be booked for **project cargo**.

Wuhan to Poland
Wuhan to Russia
Wuhan to CZ
Russia to Wuhan

Main focus: **Hamburg, DE/ Duisburg, DE**
T/time to Hamburg: 15 days
T/time to Duisburg: 15 days
Westbound: **WED/FRI**

Westbound trains arrive **both in HAM and DUI directly**, while eastbound trains **depart both HAM and DUI**.
Eastbound: **SAT**

He Xin Ou: Hefei-Europe railway line



Westbound consolidation service to Mala, PL and Hamburg, DE is provided.

Main focus: **Malaszewicze, PL/ Duisburg, DE**

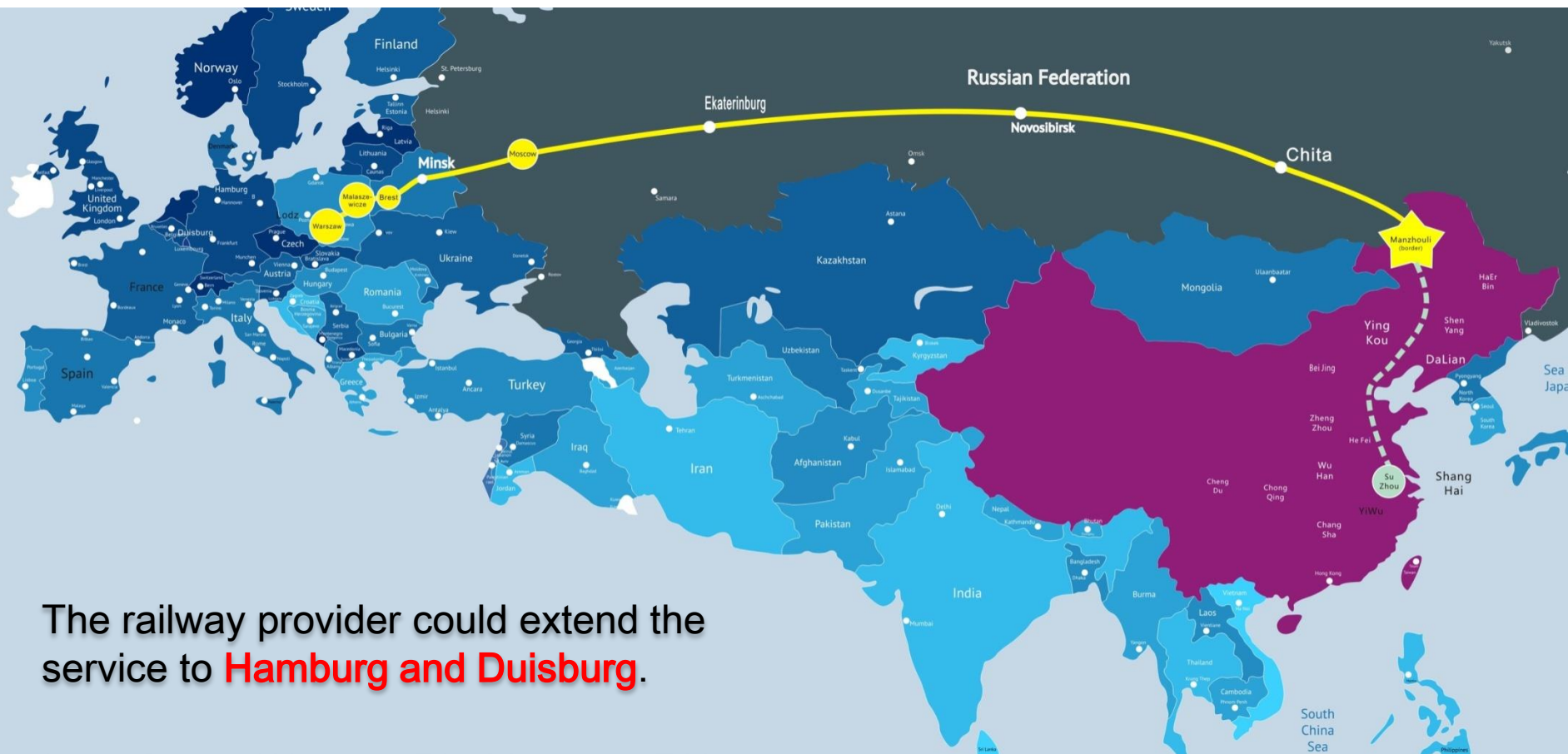
T/time to Malaszewicze: 13 days

T/time to Hamburg: 15 days

Westbound: **FRI**

He Xin Ou is the cheapest railway line in 2016 because of government financial support.

Su Man Ou: Suzhou-Europe railway line



The railway provider could extend the service to **Hamburg and Duisburg**.

Main focus: **Warsaw PL/ Moscow, RU**

T/time to Warsaw: 15 days

T/time to Moscow: 15days

Westbound: **SUN**

Yi Xin Ou-Yiwu-Europe railway line



The only railway line that could arrive in Madrid, Spain, directly.

Main focus: Malaszewicze, PL/ Duisburg, DE / Madrid, ES

T/time to Mala: 15days

T/time to Duisburg: 19 days

T/time to Madrid: 21 days

Westbound: FRI



Guangzhou-Europe Railway Line



Why choose rail transport?



Cargo details	Transportation modes	T/time	Costs
LCL (5CBM/2,000KGS)	By air (Shanghai-Hamburg)	3-5 days	USD 5,000
	By sea (Shanghai-Hamburg)	30-35 days	USD 200
	By rail(Zhengzhou/Wuhan/Hefei/Suzhou-Hamburg)	14-16 days	USD 1,000
FCL (60CBM/15,000KGS)	By air (Shanghai-Hamburg)	3-5 days	USD36,000
	By sea (Shanghai-Hamburg)	30-35 days	USD 2,000
	By rail(Zhengzhou/Wuhan/Hefei/Suzhou-Hamburg)	14-16 days	USD 6,000- USD 7,000

- ✓ **1/3 or 1/2 transit time** of ocean transport
- ✓ **1/5 transportation costs** of air transport
- ✓ Safe and steady, environment protecting
- ✓ More punctual, almost not affected by weather condition

Main commodity for China-Europe freight trains

Main commodity westbound:

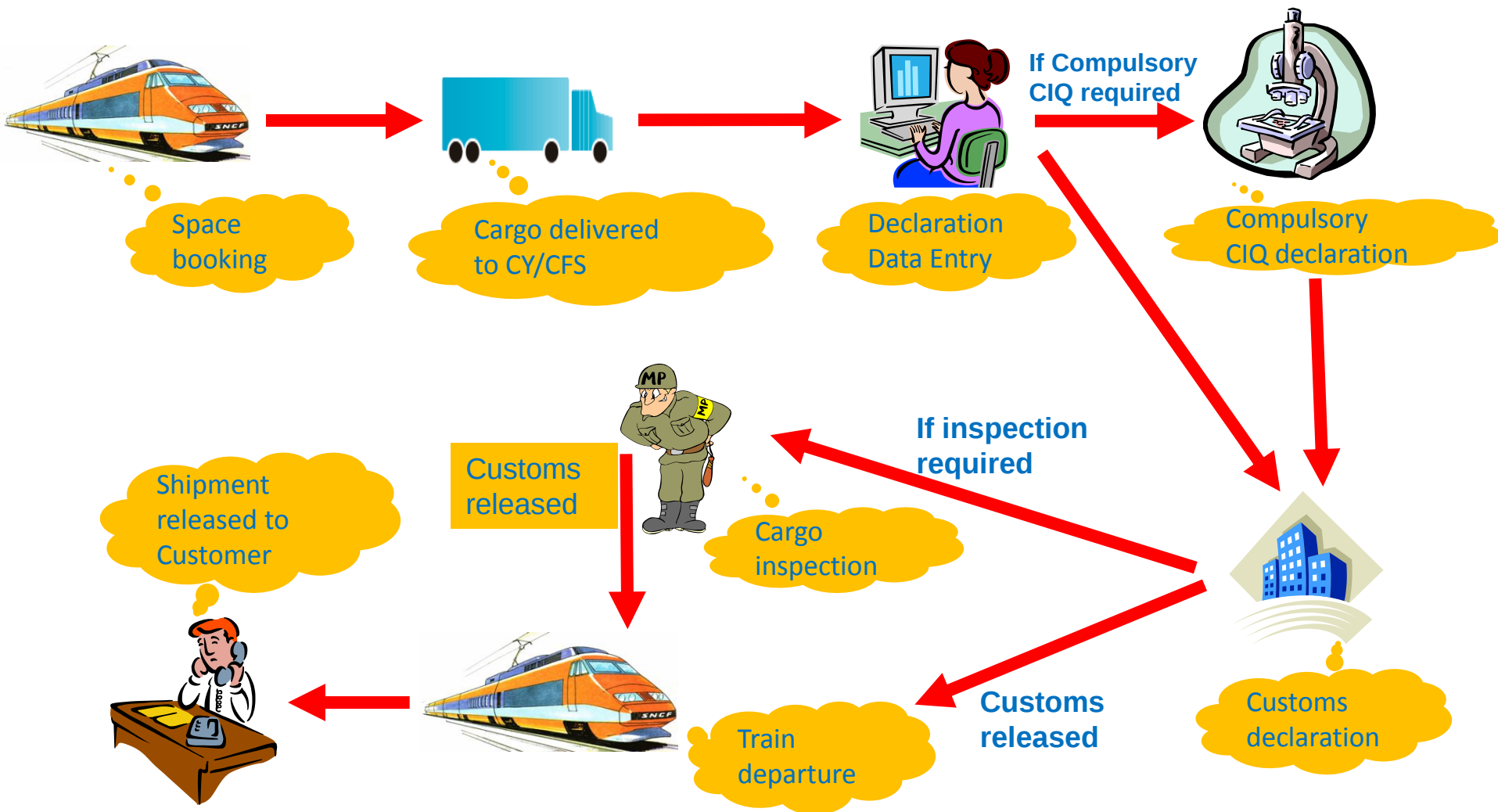
Auto parts,
IT products,
household electrical appliances,
mechanical-electronic products,
garments and toys.

Main commodity eastbound:

Entire vehicle and parts,
high-speed rail and airplane components,
various equipments,
food(beer, wine),
maternal and baby products,
nutrition and health care, beauty care,
German kitchen ware,
etc.



Handling procedure for rail transport



Container Safety & Security Solution

Data transforming protocol

GSM (850 / 900 / 1800 / 1900)
Positioning

GPS Installation

Plug and play

Security

Door Sensor/Tamper resistance

Track and Trace

Email / Website

Alert

Email / Website



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