

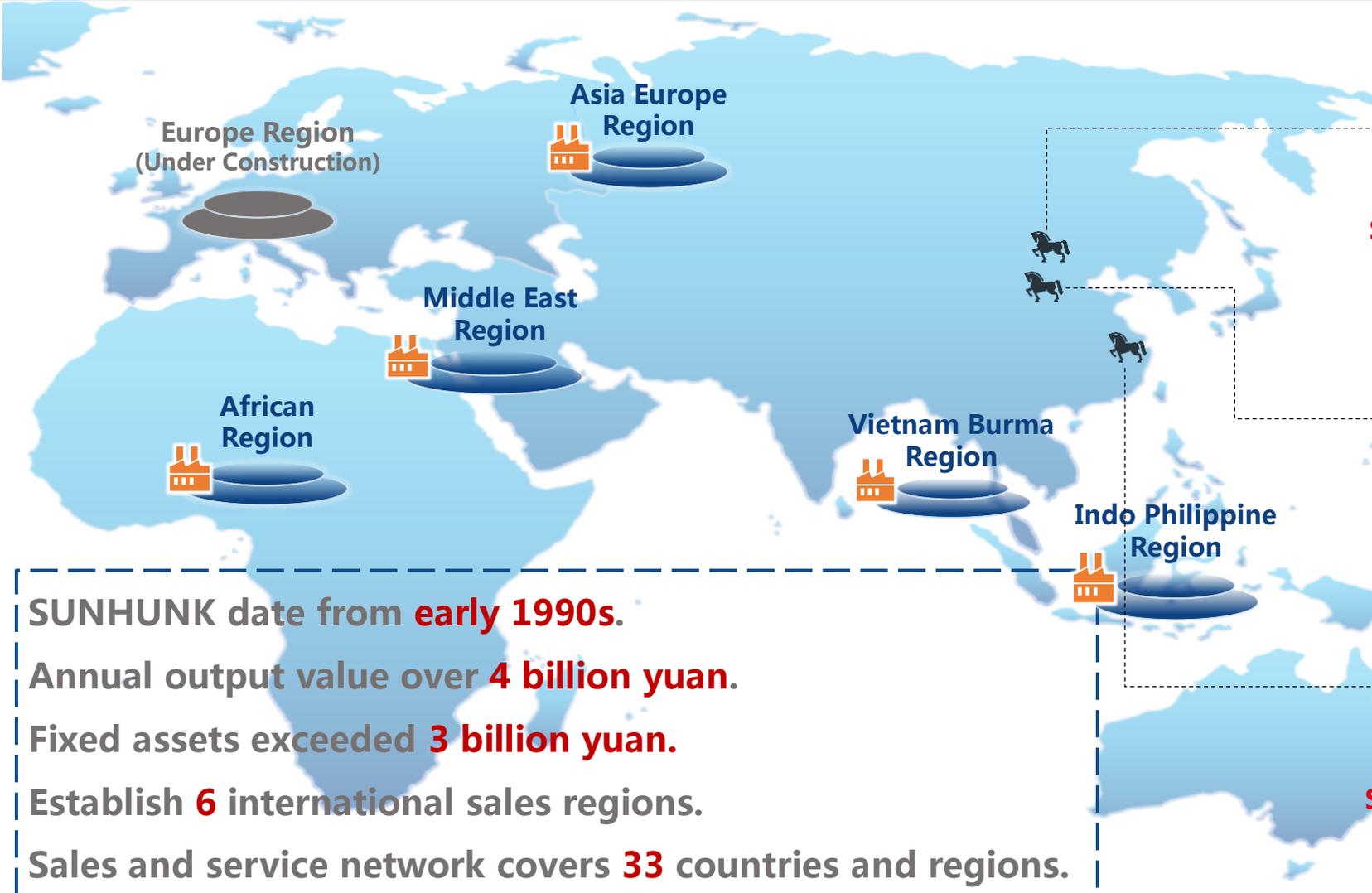


全球专用运输  
解决方案提供商

SUNHUNK



# SUNHUNK Heavy Industry Group Introduce



SUNHUNK Beijing factory

Established in 2011  
Capacity: 35000 units  
Land area: 35 hectares  
Employees : Over 1500



SUNHUNK Hebei factory

Established in 2006  
Capacity: 20000 units  
Land area: 20 hectares  
Employees : Over 1000



SUNHUNK Jiangsu factory

Established in 2016  
Capacity: 15000 units  
Land area: 20 hectares  
Employees : Over 1500

SUNHUNK date from **early 1990s**.  
Annual output value over **4 billion yuan**.  
Fixed assets exceeded **3 billion yuan**.  
Establish **6** international sales regions.  
Sales and service network covers **33** countries and regions.

# Star products - Original Equipment Manufacturer



Special vehicle frame



Special equipment structural components



Special telescopic mechanism



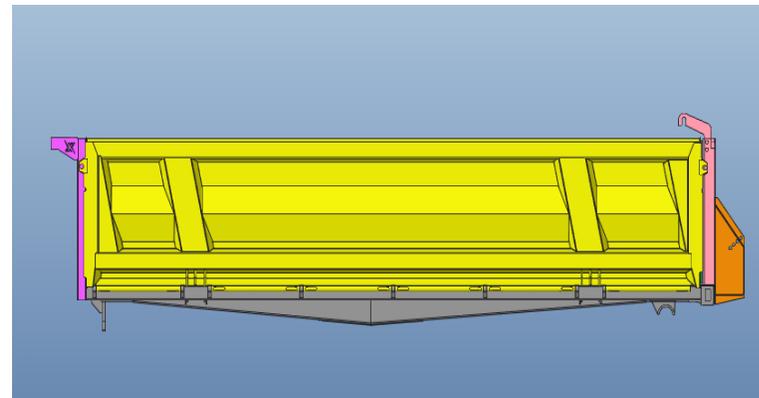
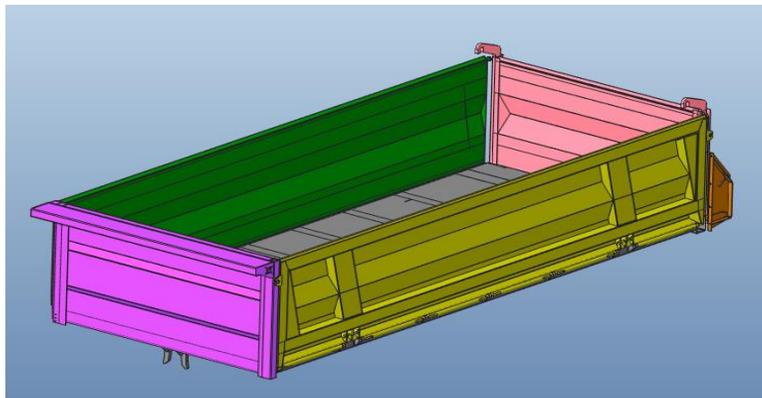
Engineering machinery components



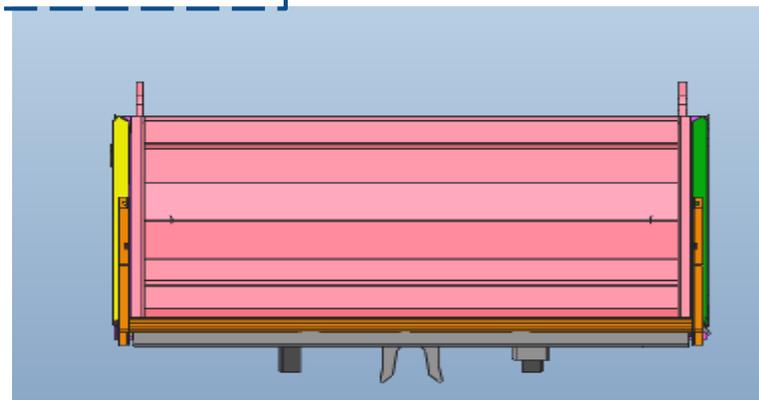
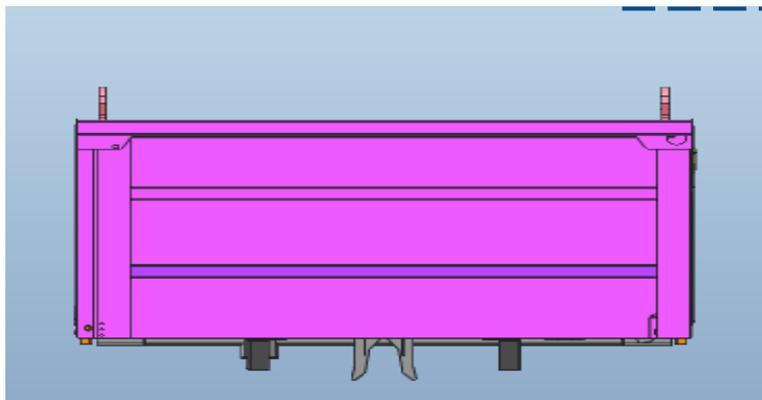
Special vehicle components



Large lifting platform



◆ 实车做完后需替换车实车部件照片



## Dump Truck

## KD SOLUTION

CKD , Divide into 5 pieces



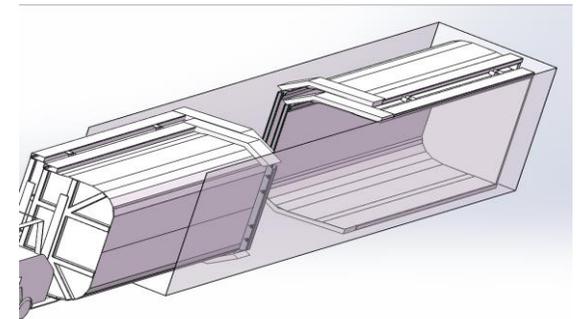
SKD, Rectangle shape



SKD, U shape body



SKD, U shape body



Gathering new vitality, lightweight and efficient

## Semi Tipper Trailer



**Diamond Structure , Unmatched Performance**

## KD SOLUTION

**CKD , Divide into 5 pieces**



**SKD, 1 container accommodate 1**



**SKD, RO-RO ship 1 1 carry 1**



**SKD, 6 container accommodate 10**

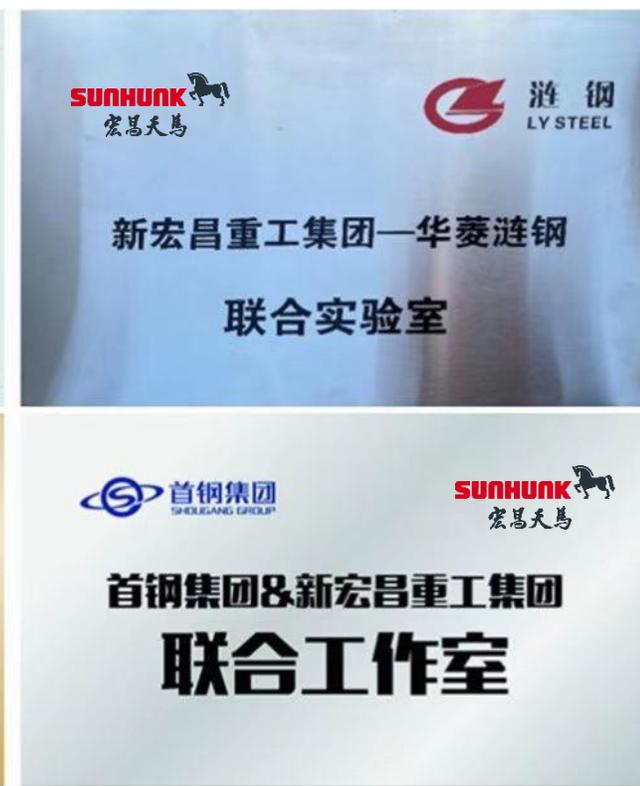


# Environmentally friendly factories and High-performance materials



National Environmental Protection Factory

Joint steel plant develops high-performance materials



# High performance material parameters



| Material Brand   | Thickness Planning mm | Yield Strength Mpa | Tensile Strength MPa | Percentage Elongation % | Impact Energy -40°J | Surface Hardness HV |
|------------------|-----------------------|--------------------|----------------------|-------------------------|---------------------|---------------------|
| <b>690E</b>      | 4-70                  | ≥690               | 770~940              | ≥14%                    | 34                  | 220-260             |
| <b>960E</b>      | 4-40                  | ≥960               | 950~1100             | ≥11%                    | 34                  | 260-320             |
| <b>1100E</b>     | 8-20                  | ≥1100              | 1200~1550            | ≥9%                     | 27                  | 380-490             |
| <b>K450Tuf</b>   | 3-20                  | 1400-1730          | ≥1300                | ≥10%                    | 50                  | ≥420                |
| <b>HARDOX450</b> | 3-20                  | 1400-1650          | ≥1300                | ≥10%                    | 50                  | ≥420                |
| <b>K500Tuf</b>   | 3-20                  | ≥1200              | ≥1500                | ≥7%                     | 28                  | ≥470                |

# Manufacturing and processing capability - Steel plate material processing



## Steel plate pretreatment line



- Improve the corrosion resistance of steel.
- Surface cleanliness level reaches **Sa2 level**.

## Laser cutting machine



- Power **15000W**.
- The repeated positioning accuracy reaches **0.02mm**.
- The maximum cutting thickness reaches **45mm**.

## Large tonnage bending machine



- Bending force **2500T**.
- Bending accuracy  $\leq 0.2^\circ$ .

# Manufacturing and Processing Capability - Large boring and milling equipment



## Large floor type boring and milling machine



- Maximum processing range **12000mm\*4000mm\*1800mm**.
- Multiple machining functions including boring, milling, drilling, and threading.
- Four way linkage.
- The repeated positioning accuracy reaches **0.012mm**.

## Large double-sided boring and milling machine



- Maximum processing range **8000mm\*1500mm\*1100mm**.
- Multiple machining functions including boring, milling, drilling, and threading.
- One clamping, two end processing.
- The repeated positioning accuracy reaches **0.012mm**.

## Rail Applications - Welding Certification System for Rail Vehicles and Vehicle Components

**CERTIFICATO DI CONFORMITÀ N°24994-15085**  
CERTIFICATE OF CONFORMITY N°24994-15085

SGS

Si certifica che il prodotto sotto riportato è conforme all'oggetto di certificazione.  
We hereby certify that the referred product complies with the scope of certification.

FABBRICANTE:  
MANUFACTURER:

**JIANGSU SUNHUNK LOGISTICS EQUIPMENT CO., LTD.**  
No.2 QINPOST SOUTH ROAD, GUANGDING INDUSTRIAL PARK, GUANGDING DISTRICT, YANGZHOU CITY, JIANGSU PROVINCE, CHINA 225000

OGGETTO DELLA CERTIFICAZIONE:  
SCOPE OF CERTIFICATION:

**EN 15085-2 - 2020+A1-2023**  
Applicazioni Ferroviarie - Saldatura dei veicoli ferroviari e dei relativi componenti  
Railway Applications - Welding of railway vehicles and components  
Part 2: Requirements for welding manufacturer

Livello di classificazione: CL1  
Classification level: CL1

ATTIVITÀ E COMPONENTI IN CERTIFICAZIONE:  
ACTIVITY AND TYPE OF COMPONENT UNDER CERTIFICATION

Progettazione (D), Produzione (P) di componenti saldati di veicoli ferroviari  
BRACCI ARTICOLATI DI CARRO MSCC  
Design (D), Production (P) of welded vehicle's components  
Articulated bases of freight wagon assembly

I dettagli sui requisiti normativi di riferimento e sui prodotti sono descritti nelle pagine allegato - il cui n° è sotto riportato - che sono da ritenersi parte integrante del presente certificato.  
(Details on regulatory requirements and related products are described in the attached pages - whose number is mentioned hereunder - which are regarded as part of this certificate)

Il sistema di certificazione adottato prevede, per il suo mantenimento, verifiche annuali di conformità del processo produttivo e delle prestazioni applicabili della norma oggetto di certificazione.  
The adopted certification system foresees for its maintenance, the annual surveillance visits verification of the compliance of production process and related standard prescriptions, according to the scheme SCF 015.

SGS Italia S.p.A. - Il Rappresentante Autorizzato  
SGS Italia S.p.A. - The Authorized Representative  
Caterina Scarpa

Data di emissione: 06 Nov 2024  
Date of issue: 06 Nov 2024  
Termine di validità: 05 Nov 2027  
Valid until:

SGS Italia S.p.A.  
Via Cadorna, 21  
20133 Milano

CEI 15085 Rev 4  
Numero totale di pagine del certificato: 2  
Total number of pages of the certificate: 2  
Pag 1

**CERTIFICATO DI CONFORMITÀ N°24994-15085**  
CERTIFICATE OF CONFORMITY N°24994-15085

SGS

Commissa SGS Italia n°24.23068.15085.24076L1  
SGS Italia n°1

SITO DI PRODUZIONE:  
WORKSHOP:

**JIANGSU SUNHUNK LOGISTICS EQUIPMENT CO., LTD.**  
No.2 QINPOST SOUTH ROAD, GUANGDING INDUSTRIAL PARK, GUANGDING DISTRICT, YANGZHOU CITY, JIANGSU PROVINCE, CHINA 225000

CARATTERISTICHE CERTIFICATE:  
CERTIFIED CHARACTERISTICS:

| Processi di Saldatura<br>Welding Process<br>(ISO 4063) | Materiali<br>Metallic groups<br>(ISO 15608) | Dimensioni<br>Dimensions<br>(mm) | Note<br>Notes     |
|--|---|----------------------------------|-------------------|
| 135  | 3.1, 3.2                                    | 3-24                             | BW EN ISO 15614-1 |
| 135  | 3.1/3.2                                     | 3-24                             | FW EN ISO 15614-1 |

Responsabile Coordinatore di Saldatura  
Responsible Welding Coordinator: Mr. Hao Zhenwang (WE)

Sostituto Coordinatore di Saldatura  
Deputy Welding Coordinator: Mr. Yu Huadong (WE-External)

RAPPORTO DI PROVA:  
TEST REPORT:  
SUNHUNK 30241005.1  
RAPPORTO VERBALE ASPETTIVA:  
STATEMENT OF INTENT:  
IN-TJ-5805-PEW-24172.808.XIA

I rapporti citati si riferiscono alla ultima verifica effettuata prima dell'emissione del certificato.  
The cited reports are referring to latest audit before the certificate issuing.

La validità del certificato è vincolata all'uso previsto dell'attività normale di sorveglianza.  
The validity of certificate is related to the successful conclusion of the annual surveillance activity. Accordato online dal sito web del cliente per la modifica a base di qualità, non può essere il suo scopo.

Data: 06 Nov 2024  
Date:

SGS Italia S.p.A. - Il Rappresentante Autorizzato  
SGS Italia S.p.A. - The Authorized Representative  
Caterina Scarpa

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Pag 2

## Automated robot welding



- Equipped with **31** automated welding equipment.
- The repeated positioning accuracy reaches **0.02mm**.

# Manufacturing Processing Inspection— Quality Inspection



Ultrasonic flaw detector



CMM



Salt spray testing machine



High and low  
temperature test chamber



Universal testing machine



Coating laboratory



Coating test equipment



test platform



a spectrometer

- Equipped with high-end quality testing equipment, implementing scientifically rigorous testing processes, and strictly adhering to international quality management systems.

# TKP: Offer services to help develop manufacturing capabilities.



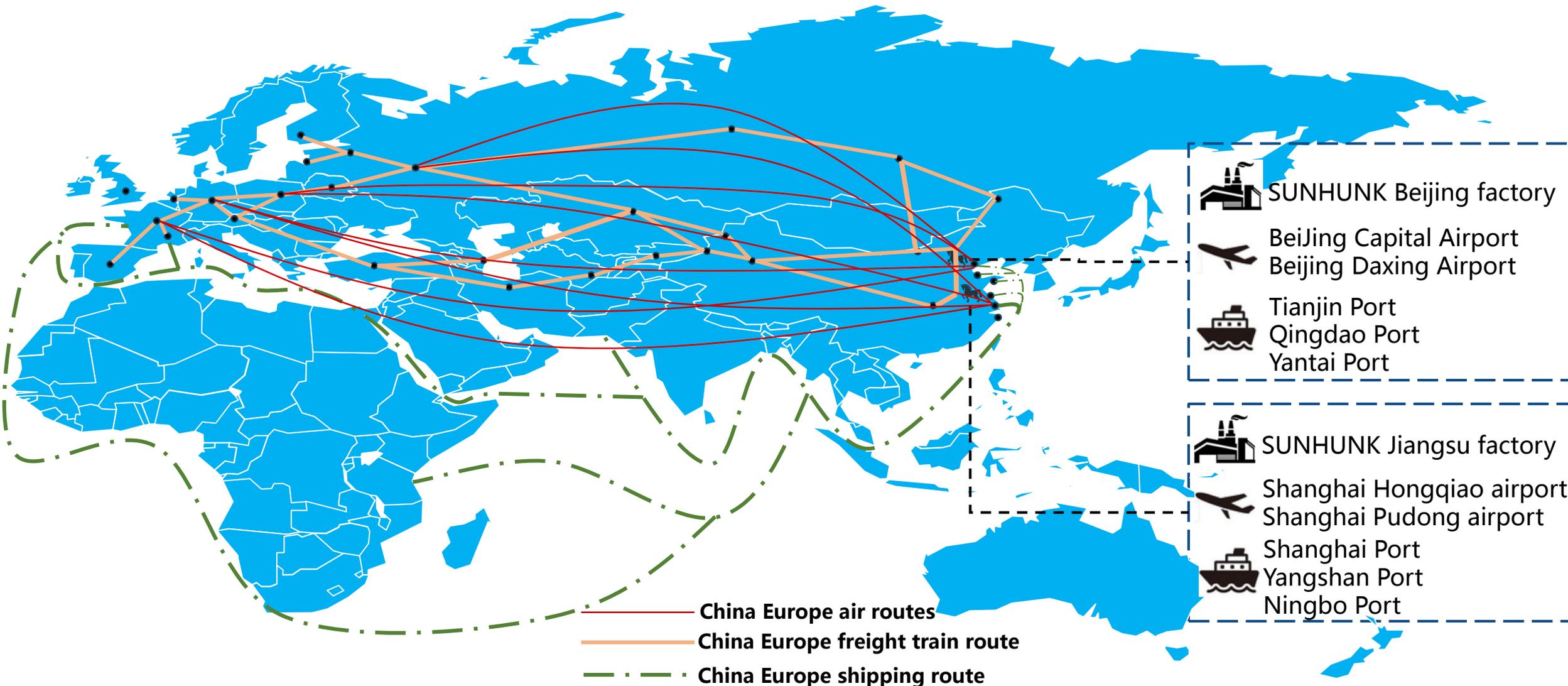
| Product            | Number of daily production units | Personnel planning | Factory area ( m <sup>2</sup> ) | Material storage area ( m <sup>2</sup> ) |
|--------------------|----------------------------------|--------------------|---------------------------------|--|
| Dump truck         | 5                                | 16                 | 4900                            | 1090                                     |
| Semi-trailer       | 2                                | 6                  |                                 | 910                                      |
| Refrigerated truck | 1                                | 7                  |                                 | 510                                      |
| Mixer Truck        | 2                                | 6                  |                                 | 380                                      |

**Personnel planning:** Persons are planned for 3 dump per day, 16 persons for 5 dump per day, 6 persons for 2 mixer per day and 7 persons for 1 refrigerator per day.

**Factory site planning :** Calculated based on the 10 day production task material storage capacity, the planned workshop area is approximately 4900 square meters, and a 4000 square meter site is planned based on the 50 chassis storage capacity, with a total planned area of approximately 9000 square meters.

**Energy equipment planning:** 6 overhead cranes (2 5t and 4 10t), 12 welding machines, 2 forklifts, one air compressor and one transformer each.

# TKP : Offer services featuring diverse shipping options.



MAKE EVERY MOVE COUNT

SUNHUNK.COM



# 感谢聆听！

## Thank you for listening