

An aerial photograph of a massive container port, likely Shanghai, during the golden hour of sunset. The port is filled with hundreds of red and white gantry cranes along the quay. Numerous large container ships are docked, with one prominently displaying 'MSC' on its hull. The water is a deep blue, and the sky is a mix of orange and blue. In the background, distant hills and other port facilities are visible.

**深化合作， 共建韧性绿色智慧港口网络**

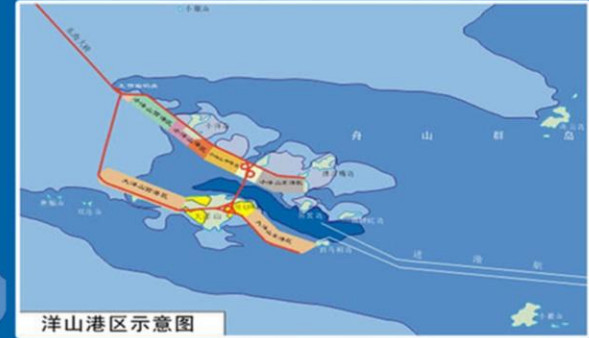
**Deepen cooperation to jointly build a  
resilient, green, and intelligent port network**

**上海国际港务（集团）股份有限公司**  
**Shanghai International Port (Group) Co., Ltd**



# 上海港形势图

## Port of Shanghai

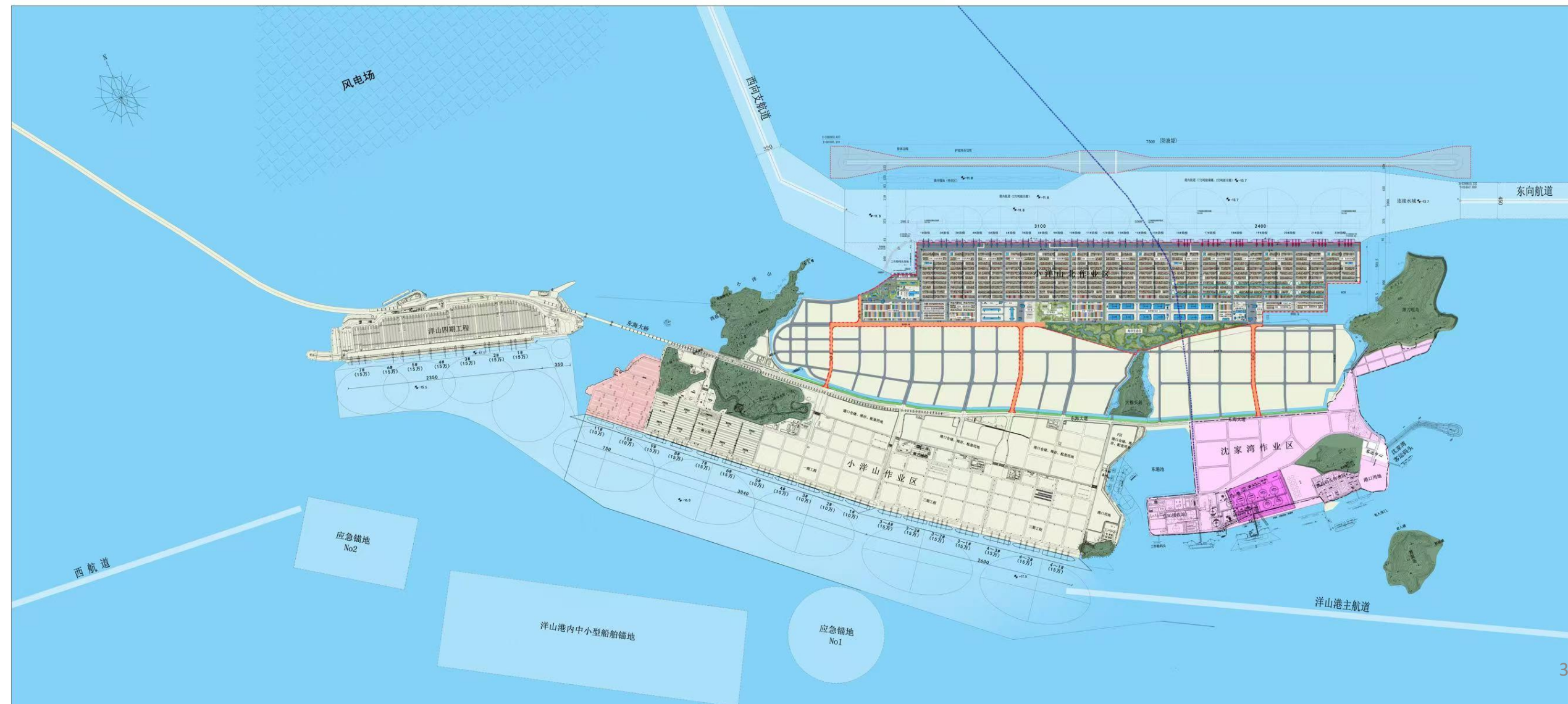




# 提升枢纽服务能级 Enhance the service capabilities of the hub

- 小洋北将新建7个7万吨级和15个2万吨级集装箱泊位，岸线总长6100m，设计年通过能力1160万TEU

Seven 70,000-DWT and fifteen 20,000-DWT container berths will be constructed in the northern YangShan port area, with a total quay length of 6,100 meters and a designed annual throughput capacity of 11.6 million TEUs.





# 罗泾集装箱码头 Luoqing container terminal

- 一期工程完工，二期工程开工 Phase I (designed for 2.6M TEUs) completed, Phase II construction commenced
- 无人驾驶与有人驾驶混行的全自动化码头 Automated terminal with a mix of ATs and Trucks



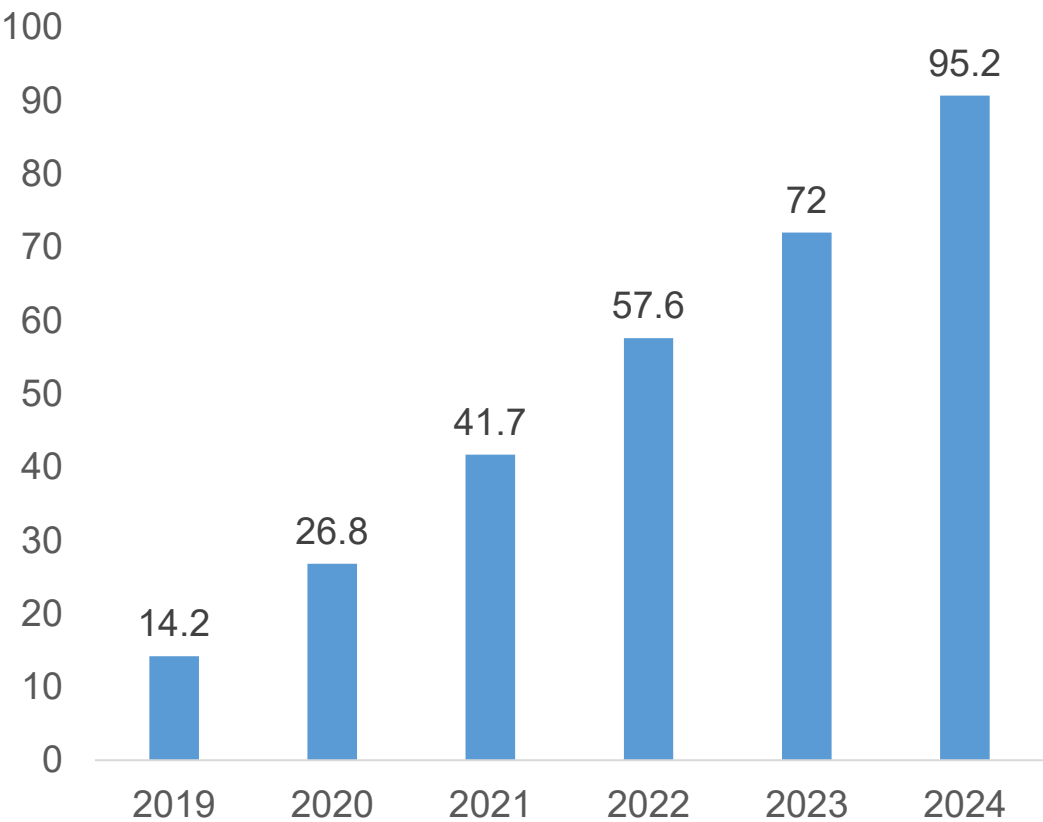
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# 加快海铁联运发展 Accelerate sea-rail intermodal transport

## • 海铁联运业务量快速增长

• Rapid growth in sea-rail intermodal transport volume



全港海铁联运箱量 (万TEU)

sea-rail intermodal transport volume10'000TEUs

## • 形成沪宁、沪昆线至芦潮港站16条海铁联运线路

• 16 fixed sea-rail intermodal transport routes





# 打造绿色燃料加注中心 Establish a green marine fuel refueling center



- LNG加注业务稳步推进：1-10月，上海港完成加注量60.3万立方米，同比增长65%，新造20000m<sup>3</sup>LNG加注船将于2027年上半年交付。LNG Bunkering Service: In the first ten months of this year, Shanghai Port handled 603,000 cubic meters of LNG bunkering, representing a 65% year-on-year growth. A newly-built 20,000 m<sup>3</sup> LNG bunkering vessel, slated for delivery in 2027H1.
- 甲醇加注实现常态化，国产绿色甲醇全链供应成型：1-10月，上海港完成甲醇加注量5.8万吨，其中绿色甲醇3艘次，加注量7013吨。The normalization of methanol bunkering has been achieved, and a fully domestic green methanol supply chain is now in place. In the first ten months of this year, a total of 58,000 tons of methanol was bunkered, including 7,013 tons delivered across three green methanol vessel calls.



船舶LNG同步作业加注 LNG SIMOPS Bunkering



国产绿色甲醇同步作业加注 Domestic Green Methanol SIMOPS Bunkering



# 打造自动化码头标杆 YS Phase IV: Benchmark for Automated Container Terminal

- 我国首批智能和绿色双五星港口 China's First Smart and Green Double Five-star Terminal
- 最高昼夜操作量超28536TEU 24-hour Throughput Record: 28, 536 TEU
- 800万TEU年生产能力 8 million-TEU Annual Capacity





# 全自动化集装箱码头生产管控系统 I-TOS

- TOS（码头生产系统）产品已成功落地文莱、秘鲁、马来西亚等一带一路沿线国家港口

TOS product has been successfully implemented at ports in Belt and Road countries such as Brunei, Peru, and Malaysia.

EDI数据处理/内支线应用/  
信息处理/费收管理/受理计划

手持终端系统

陆侧交互系统

智能道口管理

智能理货管理

船舶计划

智能桥吊作业路计划

智能配载计划

智能堆场计划

设备调度模块

过程控制模块

监控分析模块



任务调度平台



岸桥管理系统  
QCMS



水平运输管理系统  
VMS



轨道吊管理系统  
BMS

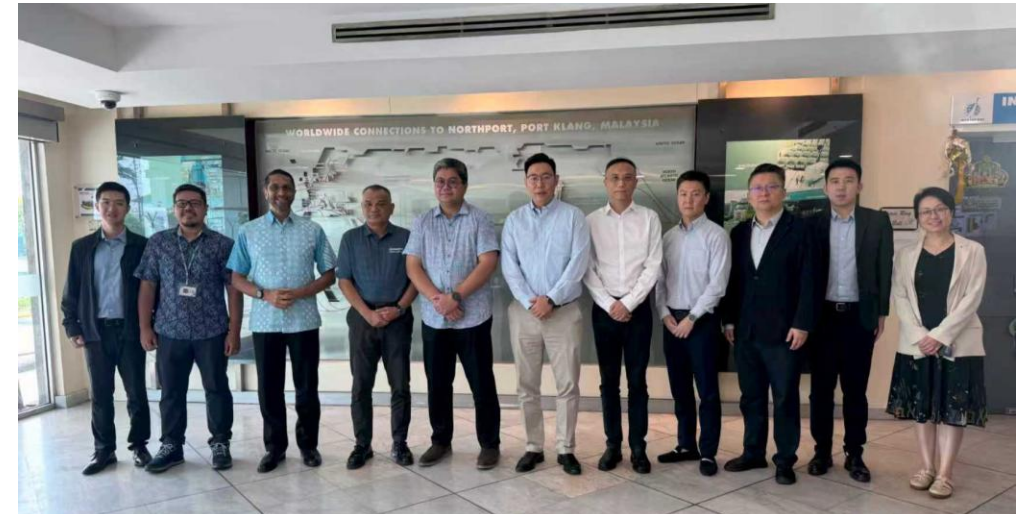


NEZHA TECHNOLOGY  
哪吒科技



# 上海港与马来西亚港口合作 Shanghai Port and Malaysian Ports Cooperation

- 上海港与马来西亚港口形成了稳定、高效的航线网络，每周25班，往来箱量持续攀升，2024年达到147万标准箱  
Shanghai Port has established a stable and efficient shipping network with Malaysian ports, operating 25 weekly liner services. The container volume between Shanghai Port and Malaysian ports has also been steadily increasing, reaching 1.47 million TEUs in 2024.
- 哪吒科技参与民都鲁港的数字化建设，散杂货码头生产系统已经上线，集装箱码头生产系统也将于今年底上线。  
Nezha Technology has participated in the digitization process of the Port of Bintulu. The TOS for the general cargo terminal is already in application, and the TOS for the container terminal will also be launched by the end of this year.
- 在港口管理、自动化码头建设等领域，哪吒科技与MMC签署了战略合作协议，与巴生港、丹戎帕拉帕斯港等开展经验交流。  
In the areas of port management and automated terminal transformation, Nuza Technology signed a strategic cooperation agreement with MMC and conducted experience exchanges with Port Klang and Tanjong Parapas Port.







# 深化合作，共建韧性绿色智慧港口网络

Deepen cooperation to jointly build a resilient, green, and intelligent port network

**共建更具韧性的港口网络**  
Jointly build a more resilient port network

加强航线网络互联互通，提升港口作业协同效率。  
Strengthen the connectivity of the shipping service network and improve the coordination efficiency of port.

加强信息共享与应急联动机制建设，共同应对全球供应链风险挑战。  
Enhance information sharing and the construction of emergency response coordination mechanisms to jointly address global supply chain risks and challenges.

**共推更可持续的绿色发展**  
Jointly promote more sustainable green development

加强绿色港口标准、岸电技术、清洁能源加注、港口污染防治等开展更深入的交流与合作，共同探索港口绿色发展的新路径、新模式。

Strengthen the standards for green ports, shore power technology, clean fuel refueling, and port pollution prevention, carry out deeper exchanges and cooperation, and jointly explore new paths and models for green port development.

**共享更高效能的智慧成果**  
Share smart achievements with higher efficiency

深化在自动化码头、传统码头智能化改造、数字平台建设等领域的交流合作，探索更多智慧港口的应用场景。

Deepen exchanges and cooperation in areas such as automated terminals, intelligent transformation of traditional terminals, and digital platform construction, and explore more application scenarios for smart ports.



谢谢!  
Thank You!



上港集團

**S**ervice, **I**nnovation, **P**rofessional, **G**uarantee

服务、创新、专业、保证