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Building a World-Class Intelligent Logistics  
Platform Enterprise

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# Sinotrans Global Network and Cybersecurity Management

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Sinotrans Korea Shipping Co., Ltd.

20250924



## PART 1

# COMPANY OVERVIEW

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# I Sinotrans Limited

**SINOTRANS Co., Ltd. is the unified operation platform and brand of China Merchants Group's logistics business.**

- Founded in **1950**, SINOTRANS is a pioneer in the foreign trade transportation and logistics industry of China and the largest comprehensive logistics enterprise in China.
- In 2015, it became a subsidiary of **China Merchants Group**.
- SINOTRANS is committed to providing **end-to-end** safe, reliable, autonomous and controllable full Chain and full scenario logistics solutions for global customers.



2024 Total Assets

RMB **80.9**  
billion



2024 Revenue

RMB **105.6**  
billion



Number of  
Employees

**33,341**

Stock Code: SH:601598/HK:H00598



# | Industry Recognition

**TOP 1**

Top 100 Chinese logistics companies  
in terms of comprehensive  
competitiveness

**TOP 1**

Comprehensive data of China's  
freight forwarding logistics  
enterprises in 2020

**AAAAA Grade**

Integrated Logistics Enterprise

**TOP 1**

Top1 in shipping data of China's  
freight forwarding logistics  
companies in 2020

**Intelligent Logistics**

Top 10 Innovation  
Leading Companies  
of China Intelligent Logistics

**Intelligent Logistics**

Asian Intelligent Innovation  
Logistics Star

**Intelligent Logistics**

Intelligent logistics service  
innovation enterprise

**Intelligent Logistics**

Digital supply chain Science and  
Technology Innovation Award

**TOP 2**

Top2 in land transportation data of  
China's freight forwarding logistics  
companies in 2020

**TOP 2**

Top2 in the world's top 50  
ocean freight forwarders

**TOP 3**

Global freight forwarding

**TOP 7**

The seventh largest contract  
logistics provider  
in the World

## PART 2

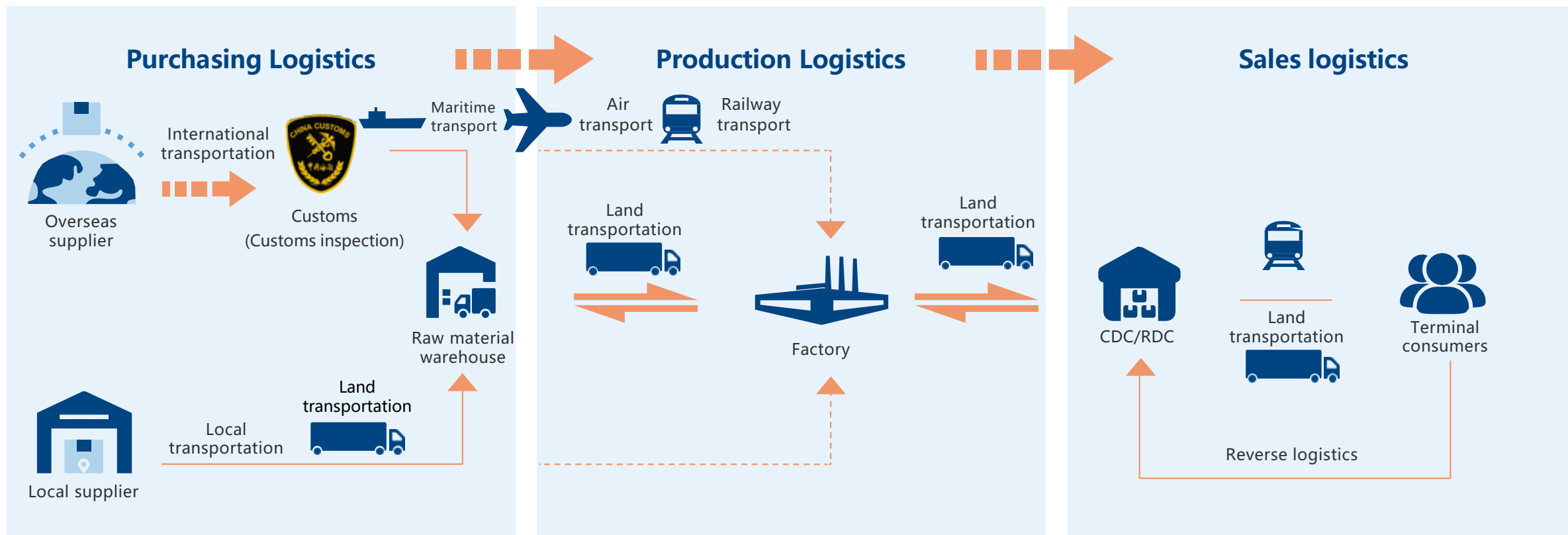
# OVERSEAS FOOTPRINT

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# I Networks



# I Door-to-Door Logistics



## 服务

- VMI storage and transport
- Local transportation and inbound logistics

- Storage/Customer site coordinate
- Repackaging/ Value-added service
- Promotional items logistics

- Main Line Transportation/In-city delivery
- Multimodal transport cross-border/overseas
- Reverse logistics
- Customized solution consultation



# I Hoisting And Transportation Integration

As a leader in the global oversized cargo hoisting and special transportation service industry, we advocate "hoisting and transportation integration" operations, and bring customers further risk control, cost control and efficiency improvement through the coordinated combination of hoisting and transportation. The projects that have been completed so far include the expansion and hoisting integration project of Hong Kong Lung Kwu Tan Gas Turbine Power Plant, Shanghai Secco acrylonitrile recovery tower replacement and hoisting project, Tianjin Petrochemical refinery upgrading and hoisting project and the Dongying United Petrochemical hoisting project. In addition, we used SPMT for the first time in the hoisting project of Sinochem Quanzhou ethylene chemical reaction tower to carry out the overall transportation of the giant crane on site, which realized the rapid transfer of the crane and saved a lot of time and reduced cost for the customer.



Expansion project of Hong Kong Lung Kwu Tan Gas Turbine Power Plant



## PART 3

# INNOVATIVE TECHNOLOGY

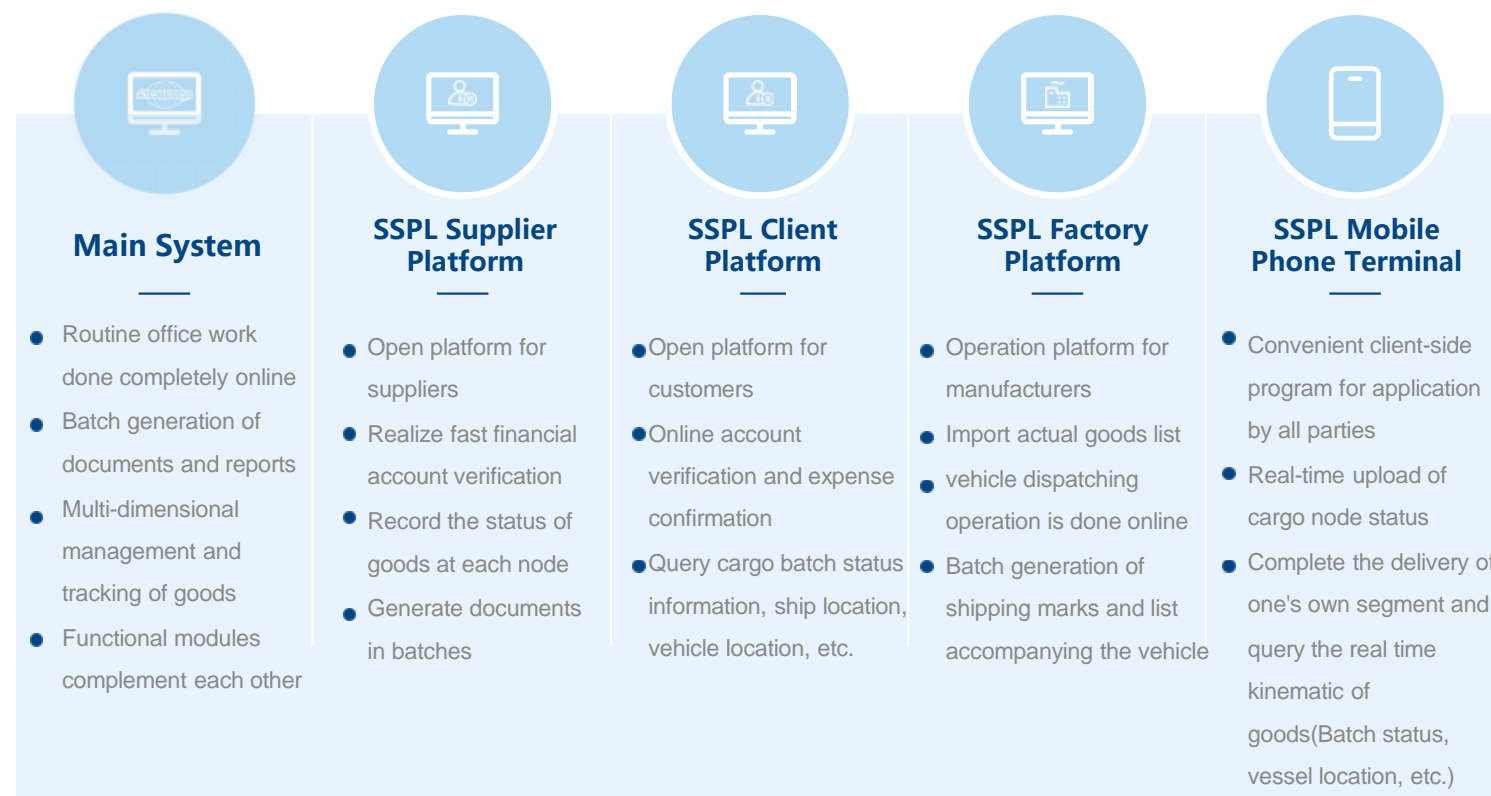
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We follow the development path of "Scenario + Technology" and "Customer + Technology" of Sinotrans, and continue to develop and promote the application of smart logistics technology. At present, we have now realized intelligent, efficient and coordinated operation from receiving customer orders to service operations, financial settlement and electronic payment, met the needs of customers for diversified, personalized, timely and accurate service in different industries, and achieved data docking and information sharing between customers/ cooperation partners information systems and contract logistics public platforms. With extensive use of technology of Internet of Things, we provide Door-to-Door logistics visualization and value-added services.

# Sinotrans Smart Project Logistics System

Sinotrans Smart Project Logistics System ("Smart Project Logistics System" in short) is a modern international engineering logistics and transportation management system independently developed by Sinotrans and currently used in engineering logistics projects. The system provides a visualized solution for the entire chain of engineering logistics of goods, with the minimum management accuracy to a single piece of goods in a shipment batch, and it can track and display the entire trajectory of the goods by binding the goods to the IOT devices, so as to provide customers with experience of high-quality service.

## Smart Project Logistics System



Multi-platform support for smart engineering logistics system

# I System Capability

## ➤ TMS-SDCC

The transportation business management platform designed by Sinotrans IT team, **which has already gone alive in Southeast Asia.**



### Multiple Bookings Choice



### Online Capacity & Resources

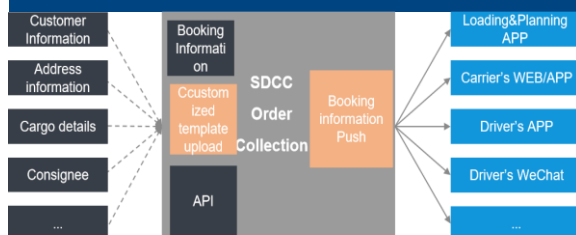


### In-transit Tracking visualization



### POD Convenience

SDCC provides multiple bookings choice to improve the efficiency of booking process



Customer system  
EDI interface

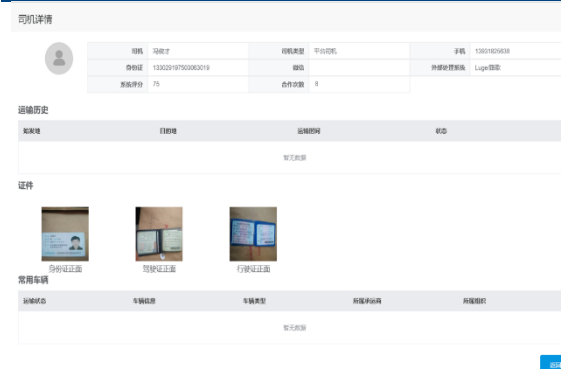


Custom template  
Upload



Mobile Billing

Analyze order data and capacity data to help operators quickly find reliable truck and driver



Through electronic fence + Pre-alert + tracking devices support, to optimize transportation performance.




Provide electronic or physical POD management through OCR technique to improve POD collection

**Paper POD**  
Paper POD Confirmation  
POD return warning


**E-POD**  
E-POD Review  
Delivery exception management

**POD verification**  
Watermark with Timestamp and Location  
Consignee's signature



**OCR Identify**

1-002



**Order number rename**

700040135

PART 4

# Cybersecurity Management

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From “RIND”  
To “CIRCLESS”

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# I 1.0 RIND

## REMOTE INTRUSION



## INSIDER THREAT



## NETWORK DISRUPTION



## DATA LOSS



## I 2.0 CIRCLESS

CRITICAL BUSINESS SYSTEM  
OUTAGE AND DATA LOSS



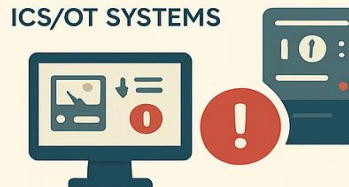
INTRUSION REMOTE AND  
PRIVILEGE ESCALATION



REPUTATION AND FINANCIAL  
IMPACT



COMPROMISE OF  
ICS/OT SYSTEMS



LARGE-SCALE DISTRIBUTED  
DENIAL-OF-SERVICE (DDOS)



EXTERNAL RANSOMWARE  
AND MALWARE ATTACKS



SYSTEM VULNERABILITIES  
TRIGGERED BY NATURAL  
DISASTERS

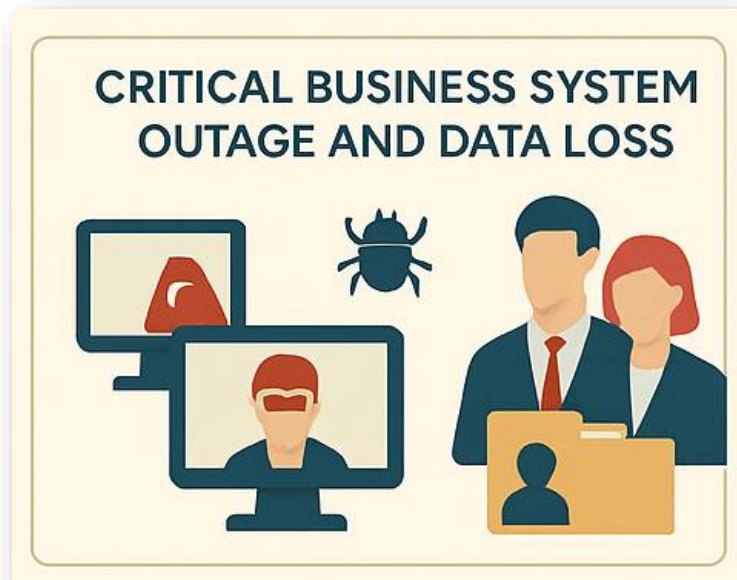


SUPPLY CHAIN AND  
THIRD-PARTY RISKS





# I CIRCLESS



Definition: Unavailability of essential systems and irreversible loss of data due to failure or attack.

Scenario: Database cluster crash or ransomware impact causing hours of downtime and missing records.

Protection Strategy: Backup 3-2-1, disaster recovery drills, HA/replication, immutable backups and rapid restore playbooks.

# | CIRCLESS

Definition: Unauthorized remote access to systems followed by gaining higher privileges to control critical assets.

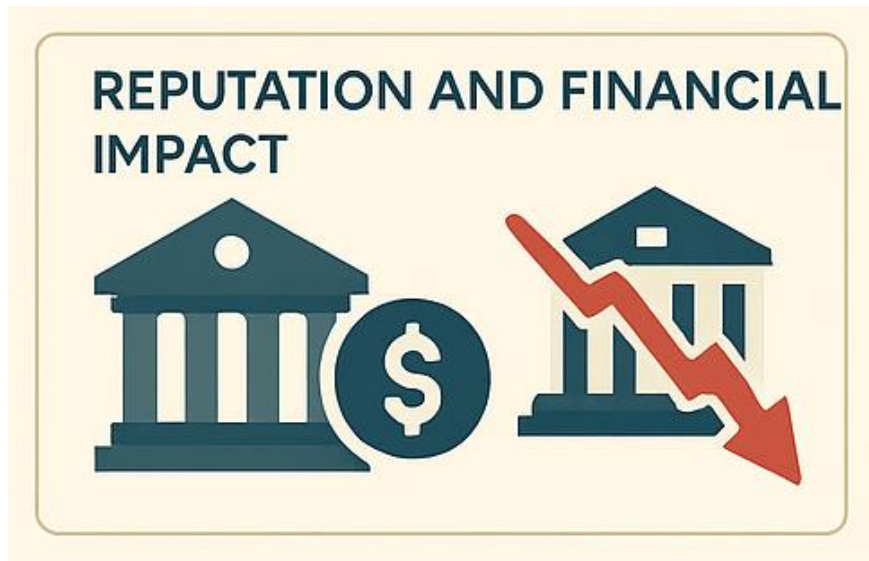
Scenario: Attackers exploit exposed services or stolen credentials, then escalate privileges on a server.

Protection Strategy: Harden remote access, MFA for all admins, patch management, EDR, least-privilege and just-in-time elevation.

## INTRUSION REMOTE AND PRIVILEGE ESCALATION



## I CIRCLESS



Definition: Cyber incidents designed to damage reputation or cause major financial impact.

Scenario: Fake press releases and data leaks erode trust among shipping partners and clients.

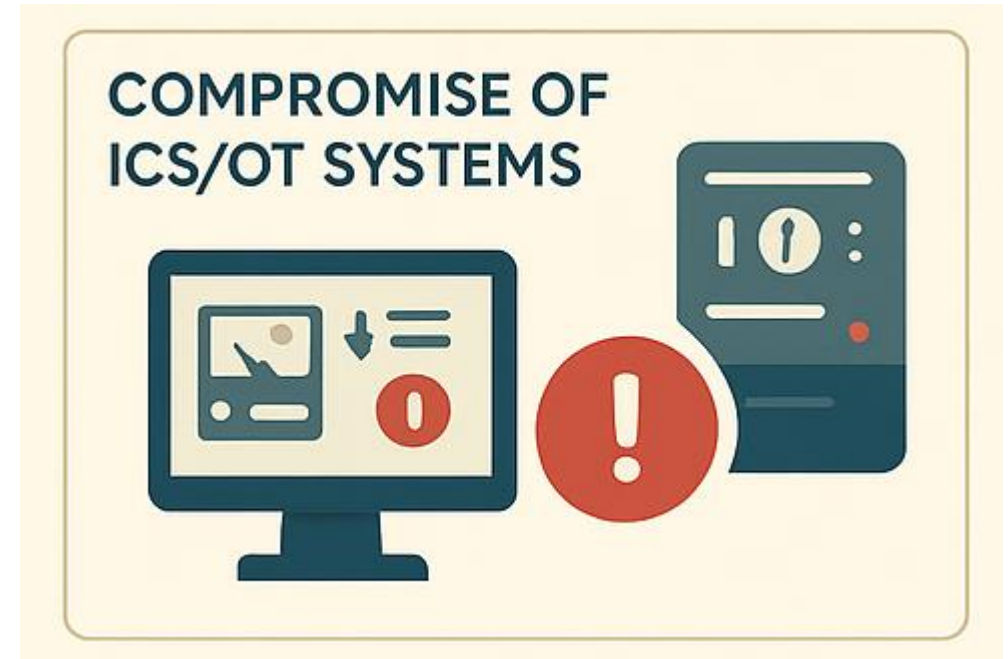
Defense Strategy: Implement robust PR response plans, enhance monitoring for fake content, and maintain cyber insurance.

## I CIRCLESS

Definition: Attacks targeting operational technology controlling physical port infrastructure.

Scenario: Attackers gain control of cranes and conveyor belts, halting cargo movement.

Defense Strategy: Isolate OT networks, apply ICS-specific security patches, and monitor anomalies continuously.



# | CIRCLESS

## LARGE-SCALE DISTRIBUTED DENIAL-OF-SERVICE (DDOS)



Definition: Overwhelming network traffic targeting port services, causing disruption and downtime.

Scenario: Hacktivist groups flood port communication channels, blocking customs clearance operations.

Defense Strategy: Deploy anti-DDOS solutions, scalable bandwidth, and traffic filtering at network edges.

# I CIRCLESS

Definition: Malicious software encrypting systems or exfiltration data for ransom or sabotage.

Scenario: A phishing email installs ransomware that locks terminal operation systems.

Defense Strategy: Deploy EDR solutions, network segmentation, and staff phishing awareness training.





# | CIRCLESS

## SYSTEM VULNERABILITIES TRIGGERED BY NATURAL DISASTERS



Definition: Cyber vulnerabilities exposed during natural disasters due to system failures or emergency bypasses.

Scenario: A typhoon disables power and network infrastructure, forcing manual overrides that expose systems.

Defense Strategy: Develop robust disaster recovery plans, offsite backups, and redundant communication systems.

## I CIRCLESS

Definition: Cyber risks originating from third-party vendors or partners connected to systems.

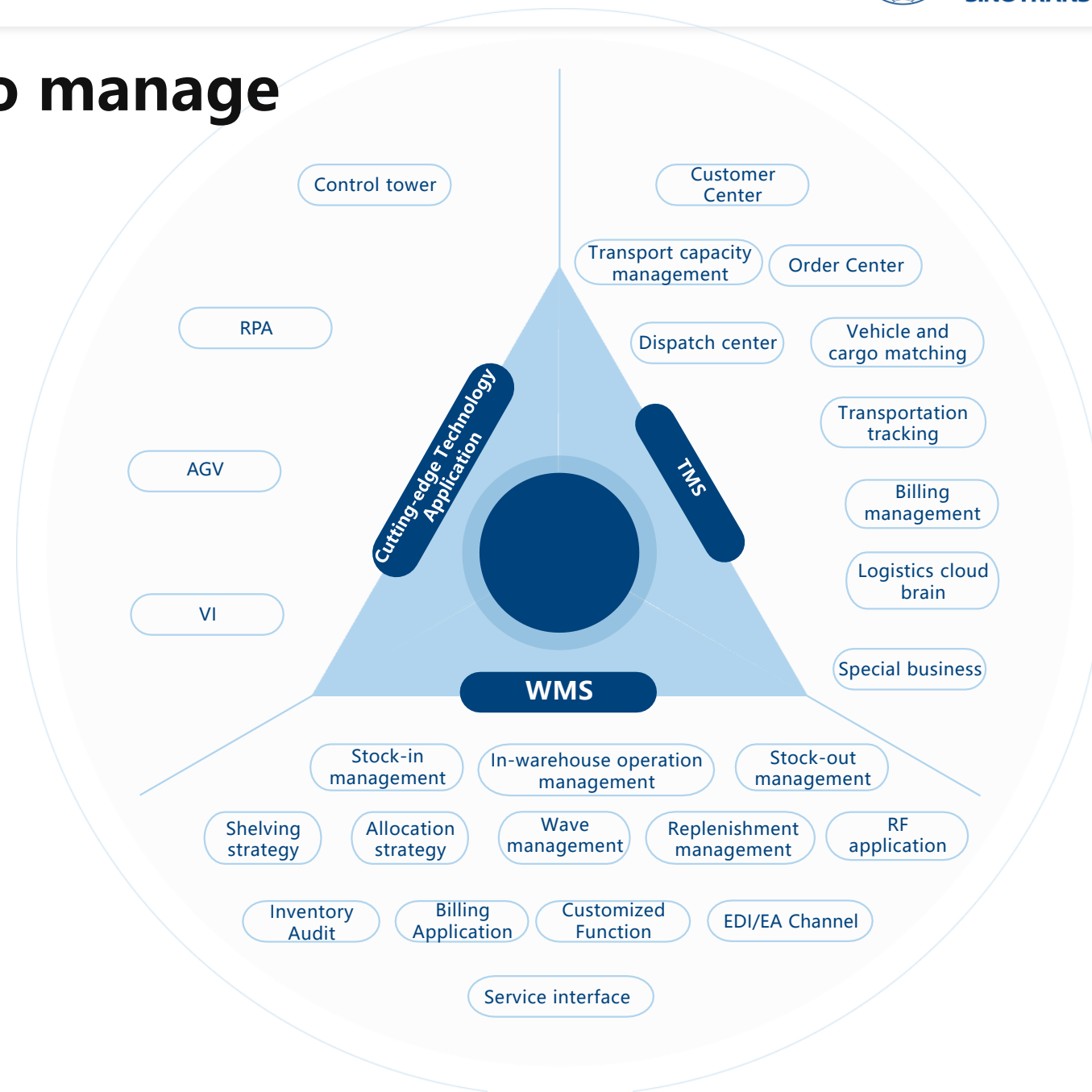
Scenario: A logistics partner's compromised system provides an attack vector into core port operations.

Defense Strategy: Conduct third-party security audits, enforce vendor compliance, and apply least-privilege access.



# I Innovative Technology to manage Cybersecurity

Sinotrans has now realized intelligent, efficient and coordinated operation from receiving customer orders to service operations, financial settlement and electronic payment, met the needs of customers for diversified, personalized, timely and accurate service in different industries, and achieved data docking and information sharing between customers/ cooperation partners information systems and contract logistics public platforms. With extensive use of WMS, TMS and cutting-edge technology applications, etc., we provide Door-to-Door logistics visualization and value-added services though solid cybersecurity management.



# Building a World-Class Intelligent Logistics Platform Enterprise