



中远海运特种运输股份有限公司
COSCO SHIPPING SPECIALIZED CARRIERS CO., LTD.

Sustainable Arctic Shipping Service

by COSCO SHIPPING SPECIALIZED CARRIERS(CSSC)

CHEN Feng with colleagues Xiang Anbo & Shen Yufei

General Director, Marketing & Sales Centre,
COSCO SHIPPING SPECIALIZED CARRIER CO., LTD

Guangzhou China 15th April 2019



A photograph of an Arctic landscape. In the foreground, there are numerous small, white icebergs floating in dark blue water. In the background, a large, white, rectangular ice wall or iceberg rises from the water under a clear blue sky.

CONTENT

Part 1: **Who We are**

Part 2: **What we did**

Part 3: **Why we are in Arctic Ocean**

Part 4: **What we are looking for**

1. Who We are



COSCO SHIPPING SPECIALIZED CARRIERS CO., LTD. is dedicated to the operation and management of more than One hundred thirty vessels, Including multi-purpose and heavy lift vessels, Semi-submersible vessels, Pure car carriers, Logs carriers as well as Asphalt carriers. The scale of this specialized shipping fleet is ranked as the largest in the world for MPV vessels.

COSCO SHIPPING SPECIALIZED CARRIERS CO., LTD. has established a Shipping & Supply Chain service network throughout the world, Centering on the Far East, Bringing the advantages of stable and reliable tramp-liner shipping service on many trade routes, including the Arctic Ocean during summer, Pan Pacific region, Pan Indian Ocean region, Far East - Mediterranean Sea / Europe, Far East - Africa, Far East — South & North America, Far East – Australia & New Zealand and North Atlantic ocean – South Atlantic Ocean.

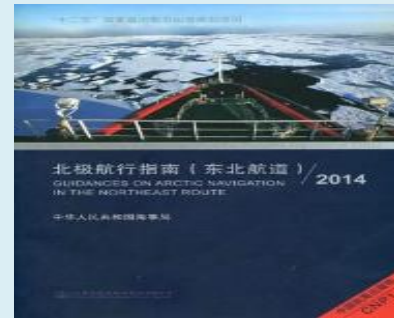
The total fleet of **COSCO SHIPPING Group operating more than 1200** vessels with a capacity of 85.32 million DWT, ranking No.1 in the world.



1. Who We are

QHSE黄金法则 QHSE GOLDEN RULES

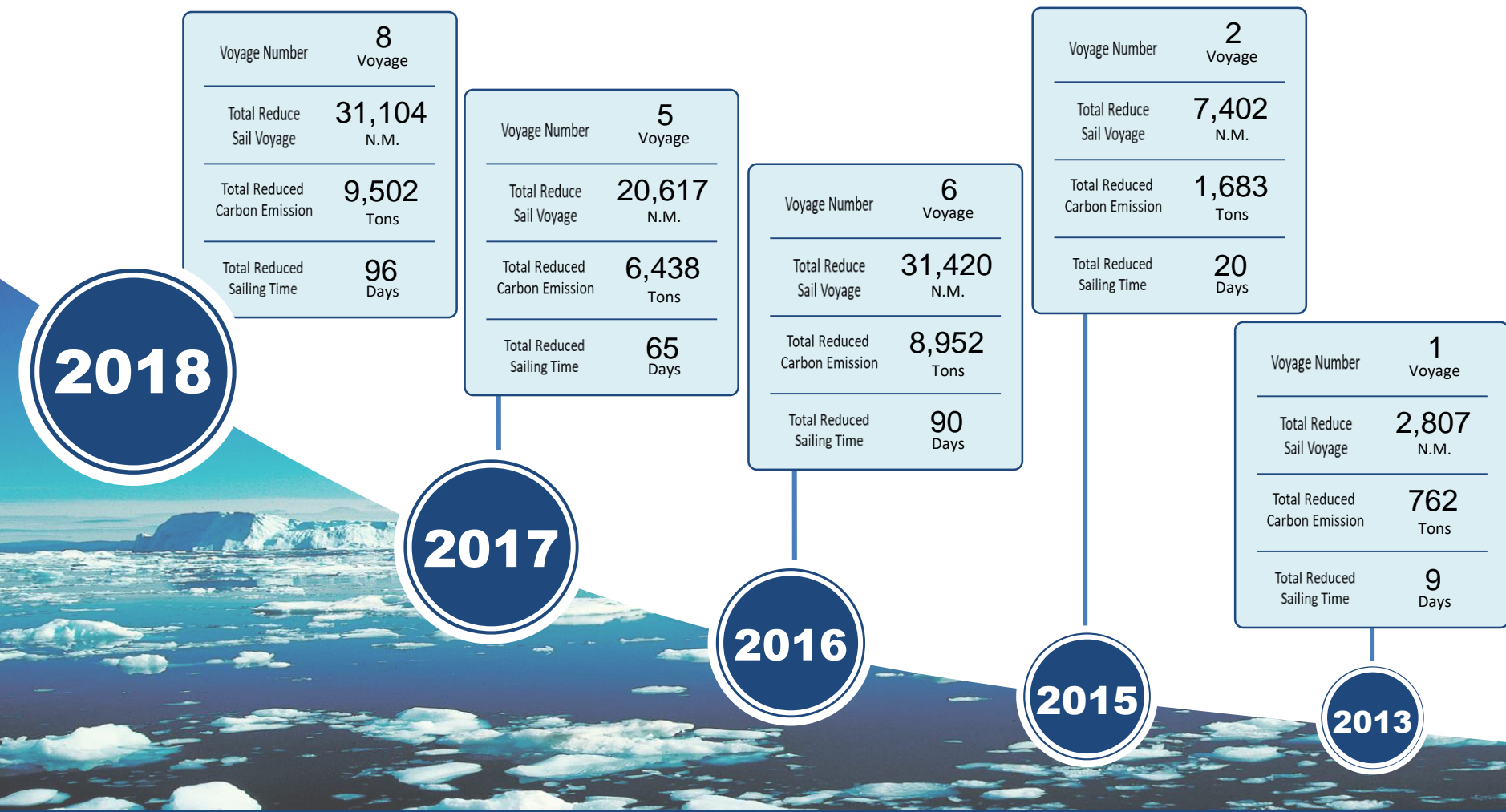
- 01 有感领导
Fair Leadership
- 02 人员保护
Personnel Protection
- 03 中止作业
Stop Work Policy
- 04 酒精毒品控制
Alcohol & Drug Control
- 05 航行系泊安全
Navigational Mooring Safety
- 06 设备检修
Equipment Maintenance
- 07 高空、舷外作业
Working Aft & Outboard
- 08 密闭空间作业
Working in Confined Space
- 09 热工作业
Hot Work
- 10 装卸作业
Cargo Operation
- 11 变更管理
Management of Change
- 12 环境保护
Environmental Protection



Foundation for the
Global Compact



2. What we did



2. What we did

Via Arctic Northeast Passage

The Commercial Normalization

2018



*ice Multi-Purpose vessels are classified as Swedish-Finnish 1A Ice Class for some of vessels.

2.What we did

Via Arctic Northeast Passage

- Ensure prompt delivery of project equipment and materials for westbound voyage .
- Ensure prompt delivery of steels and agricultural products for westbound voyage.
- Ensure prompt delivery of pulp and forest products for eastbound voyage.

2017

Westbound



Westbound



Eastbound



Westbound and Eastbound



2. What we did

Via Arctic Northeast Passage

Commercial Normalization of Arctic Northeast Route

2016

Westbound



Semi-Submersible Vessel
"XIANG HE KOU"

Eastbound



Multi-Purpose Vessel
"TIAN XI"

Westbound and Eastbound



Multi-Purpose Vessel
"YONG SHENG"

Westbound



Semi-Submersible Vessel
"XIANG YUN KOU"

Westbound



Semi-Submersible Vessel
"ZHI YUAN KOU"

2. What we did

M.V. Yong Sheng completed the first
Single voyage in 2013 and the round-trip journey of Arctic Sailing in 2015 respectively.

The Company Achievements

- ✓ The crews were trained to acknowledge info about the Arctic Ocean and the Northeast Passage, and also have practical navigation experience.
- ✓ The company has operation specifications, emergency measures and plans.
- ✓ The company is experienced at sailing at the Arctic Northeast Passage.

Advantages of NEP

- ✓ It shortens the transport time, and time-saving for the clients.
- ✓ It reduces the risk of privacy.
- ✓ It reduces the emission of carbon dioxides and the pollution effects.

Challenge of NEP

- ✓ The navigable period via Arctic Northeast Route is from July to November annually.
- ✓ The climate of Arctic Northeast Route is changeable, ships sailing with icebreakers.

2015

2013



Ship	M.V. YONG SHENG		
Port (Loading)	HAMBURGER	JIANGYIN	TAICANG
Date (Sailing)	2015.09.04	2015.07.22	2013.08.15
Port(destination)	BUSAN	VARBERG	ROTTERDAM
Date (Arrival)	2015.09.30	2015.08.19	2013.09.10

3. Why we are in Arctic Ocean

DEVELOPMENT PHILOSOPHY



- Serving Polar Silk Road and International trade between Europe/Northeast America and Asia smoothly & quickly
- Green Environmental Protection when sailing
- Sustainable Shipping Service annually during Summer & Autumn in accordance with Rules and regulation.

4. What we are looking for in 2019

SERVING FOR CUSTOMERS FROM & AVAILABLE TO CALL IN:

- China, Japan & Korea,
- Russia, Europe including Iceland, Greenland
- Northeast part of USA, East part of Canada

ACCEPTING FOLLOWING CARGO:

- General Cargo, Oversize & Overweight cargo of equipment, Machinery, Heavy-lift cargo.
- Pulp & Paper, Logs & Sawn Timber.
- Bulk cargo with volume less than 35K per lot.
- SOC Containers including RF Containers.

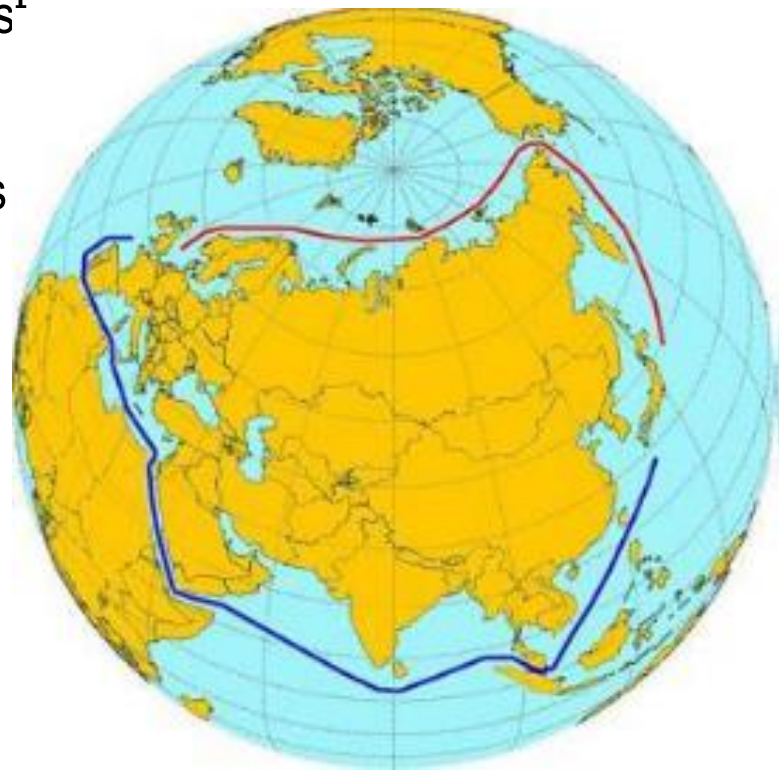
LOADING TIME OF SHIPMENTS:

- ✓ From middle July 2019
- ✓ To early Sep.2019

4. What we are looking for in 2019

SERVING ROUTE VIA NORTHEAST PASSAGE OF ARCTIC OCEAN:

- **Red route:** Shipping service via Northeast⁺ Passage of Arctic Ocean by Cosco Shipping MPV vessels
- **Blue route:** Traditional service route via Indian Ocean & Suez canal.



4. What we are looking for in 2019

PARTICULARS OF VESSELS GOING VIA ARCTIC OCEAN DURING SUMMER/AUTUMN 2019



TIAN Type with 1A Ice Class

LOA: 189.99 m, BREADTH: 28.50 m

DEPTH: 15.80 m

DRAFT: 11.00 m

SPEED: 15.30 kn

DWT: 36,000 mt

SWL(T): 80 mt * 1, 100 mt * 3, Combined 200 mt

TFU: 1,015 TEU

BUILT: 2018



DA DE / DA LIANG / DA XIN / DA ZHI

LOA: 179.57 m, BREADTH: 28.00 m

DEPTH: 14.80 m,

DRAFT: 9.20 m

SPEED: 15.20 kn ,

DWT: 28,000 mt

SWL(T): 100 mt * 1, 350 mt * 2 Combined 700 mt

TEU: 1,045 TEU

BUILT: 2014

Thanks / 谢谢

CHEN Feng / Xiang AnBo / Shen Yufei

chenfeng@coscol.com.cn / xiangab@coscol.com.cn / shenyf@coscol.com.cn

+86 139 0101 9441 / +86 20 3816 1888



中远海运特种运输股份有限公司
COSCO SHIPPING SPECIALIZED CARRIERS CO., LTD.

