



货物系固系统
CARGO SECURING SYSTEMS

**CARGO SECURING
SYSTEMS CENTRE**

**KUNSHAN LUCKY
SEA INDUSTRIAL**



Cargo Securing Systems Centre

www.cargosecuring.com

Introduction

中国船舶工业集团公司
CSSC by 50%

In 1993

中国船舶重工集团公司
CSIC by 50%



昆山吉海实业公司
LUCKYSEA INDUSTRIAL

In 1998

**Cargo Securing
Systems Centre**

工厂展示

Overall View (Two sites: One in Central China, the other close to Shanghai)



重庆长征重工有限责任公司

Chongqing ChangZheng Heavy Industry Co., Ltd.

中国重工 · 601989

Head quarter: Chongqing, Central China
Focus on Presion casting, forging and steel structure



昆山吉海实业公司

KUNSHAN LUCKY SEA INDUSTRY CO., LTD.

Located in Kunshan, Suzhou Province
Focus on lashing and lifting:
Designing/Welding/machining/manufacturing/
Inspection/After-sales service

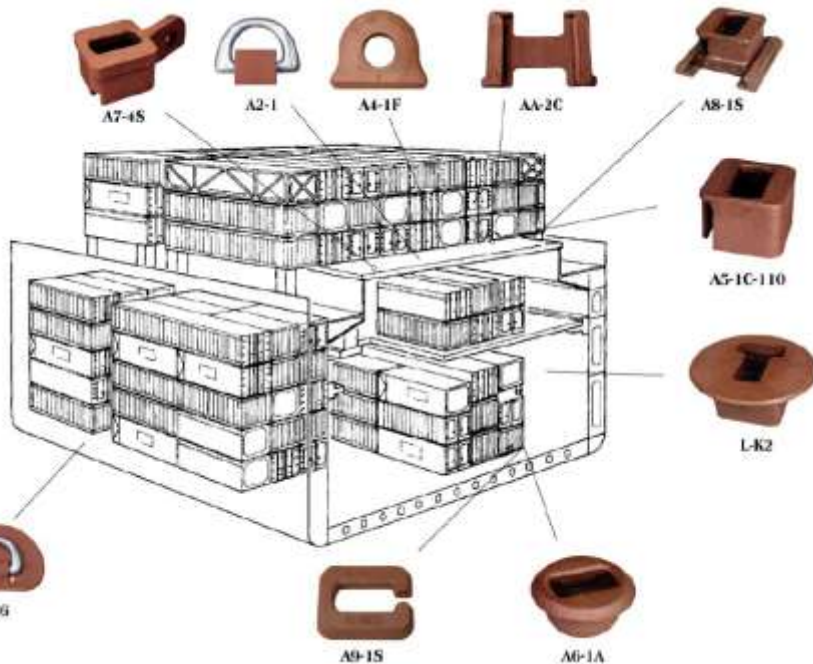


In Shanghai:
We provide systems design & sales related support

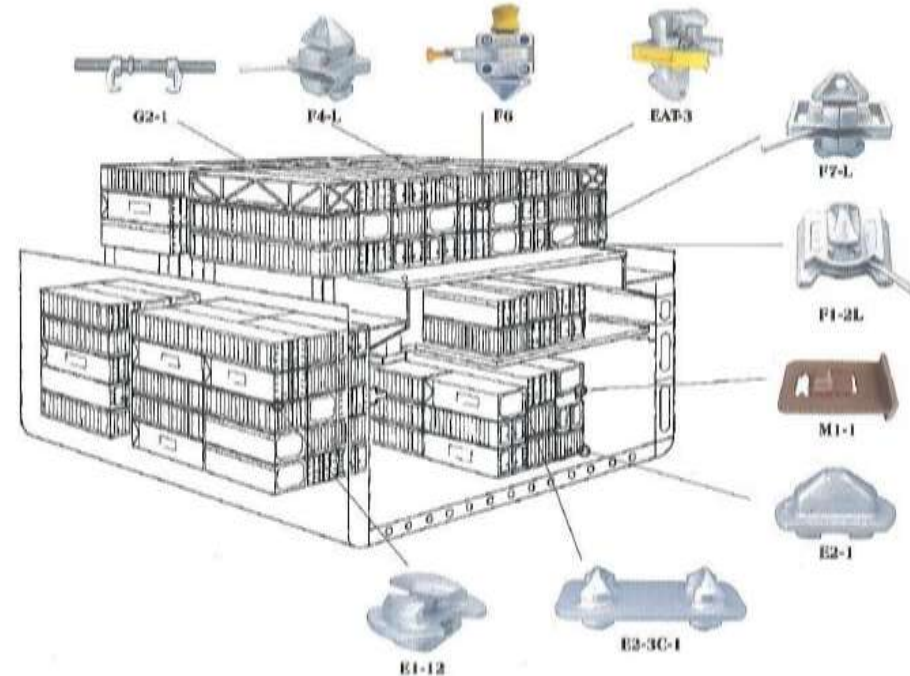
便捷高效的绑扎设备

Full range-efficient lashing equipment

We have professional technical team in designing the products and providing vessels with the best-efficient lashing plan.



Fixed securing fittings



Loose securing fittings

高强度材料吊梁

Lifting Beam up to **SWL 500 t** made by high-tensile Material Q690D

Project No: HCY-166
@ Huanghai Shipyard



总厂的铸锻中心
Forging and Casting Center



钢结构制造
Steel Structure Construction
LR Inspection



有序的工厂管理

Neat and orderly Factory management

With a thoughtful placement of facility in factory,
the production procedure is quick and reliable.



出货迅速

Fast delivery:

Factory at Kunshan, 1-2 hour distance to Shanghai Port



海外库存

Overseas Stock: **Enormous** warehouse & **Speedy** delivery

@ Belgium for Europe (Antwerp/Rotterdam...)

@ Singapore (South East Asia)



Quality Assurance System

完美的品质保证

BUREAU VERITAS
Certification



**KUNSHAN LUCKY SEA INDUSTRIAL
CO.,LTD**

ISO 9001:2008

Scope of certification

**DESIGN,MANUFACTURE AND SALES OF
CARGO AND CONTAINER FASTENING
AND LASHING EQUIPMENTS**

| Site Name/Location | Site Addition Date | Site Address | Site Scope |
|--|-----------------------|---|--|
| KUNSHAN LUCKY SEA INDUSTRIAL CO.,LTD | 09 JANUARY 2011 | NO.92 XINPU ROAD LUJIA TOWN,KUNSHAN CITY,JANGSU,P.R.CHINA | DESIGN,MANUFACTURE AND SALES OF CARGO AND CONTAINER FASTENING AND LASHING EQUIPMENTS |
| CARGO SECURING SYSTEMS CENTRE | 09 JANUARY 2011 | REGISTERED ADDRESS: ROOM 3012, 3RD FLOOR, 15# LANE 498 DONGCHANG ROAD, CHINA (SHANGHAI) PILOT FREE TRADE ZONE OPERATION ADDRESS:ROOM 2408, BUILDING A, NO.3064, | DESIGN AND SALES OF CARGO AND CONTAINER FASTENING AND LASHING EQUIPMENTS |

Certificate No.: CNBJ312091-UK

Version: No.01, Revision date: 05 JANUARY 2017

Signed on behalf of BVCH SAS UK Branch



Certification body address: 5th floor, 86 Prescot Street, London E1 8HS, United Kingdom
Local office address: Rm. B, F4, No.1288, Waigao Road, Huangpu District, Shanghai,

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.

To check this certificate validity please call: (+86 21 23190329)

Certified organisation has to accept and pass regular surveillance audits, then this certificate can be continuously valid. Information of this certificate may be obtained by visiting CNCA website (www.cnca.gov.cn).

FRANCE
BV ISO9001
Quality
System
Certification

BUREAU VERITAS
Certification



**CARGO SECURING SYSTEMS
CENTRE**

REGISTERED ADDRESS: ROOM 3012, 3RD FLOOR, 15# LANE 498 DONGCHANG ROAD,
CHINA (SHANGHAI) PILOT FREE TRADE ZONE
OPERATION ADDRESS: ROOM 2408, BUILDING A, NO.3064,

Organisation code: 63114359-3

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2008

Scope of certification

**DESIGN AND SALES OF
CARGO AND CONTAINER FASTENING
AND LASHING EQUIPMENTS**

Original cycle start date: 09 JANUARY 2011
Expiry date of previous cycle: NA
Recertification audit date: NA
Recertification cycle start date: 09 JANUARY 2016

Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on: 15 SEPTEMBER 2018

Certificate No.: CNBJ312091-UK

Version: No.01, Revision date: 05 JANUARY 2017

Signed on behalf of BVCH SAS UK Branch



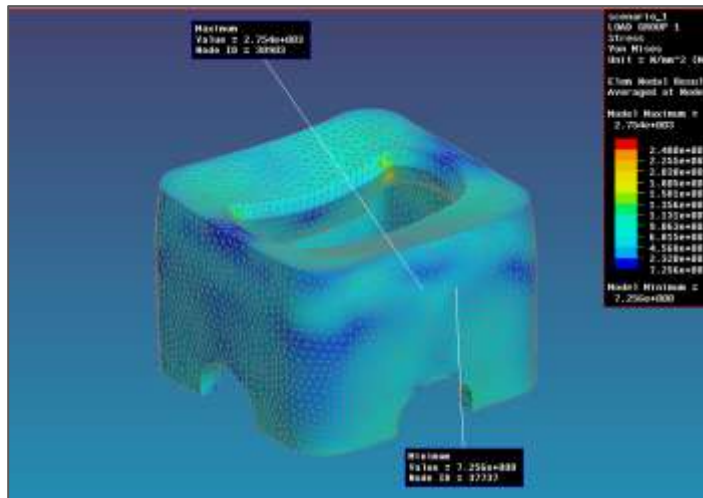
Certification body address: 5th floor, 86 Prescot Street, London E1 8HS, United Kingdom
Local office address: Rm. B, F4, No.1288, Waigao Road, Huangpu District, Shanghai, China: 200011.

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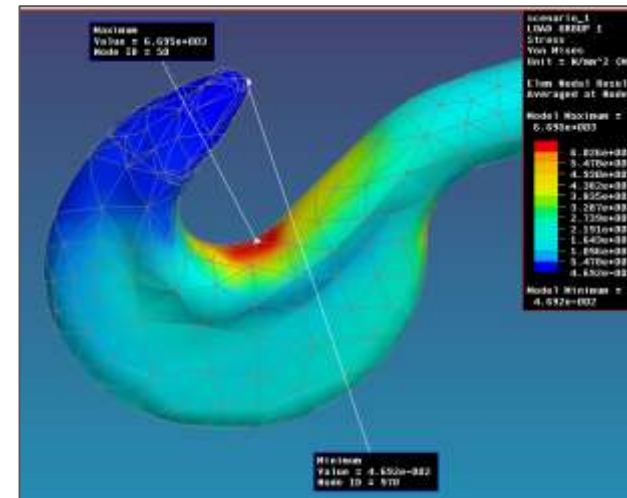
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Finite Element Analysis on products design



Raised foundation



Turnbuckle Hook

完备的测试仪器

Complete testing equipment

We have professional testing equipments and QC team with rich experience to proceed inspection and control the quality of products.



测试仪器 Testing Equipments (partial)



Chemistry analysis meter



Rockwell apparatus



Refrigerator for -40°C testing



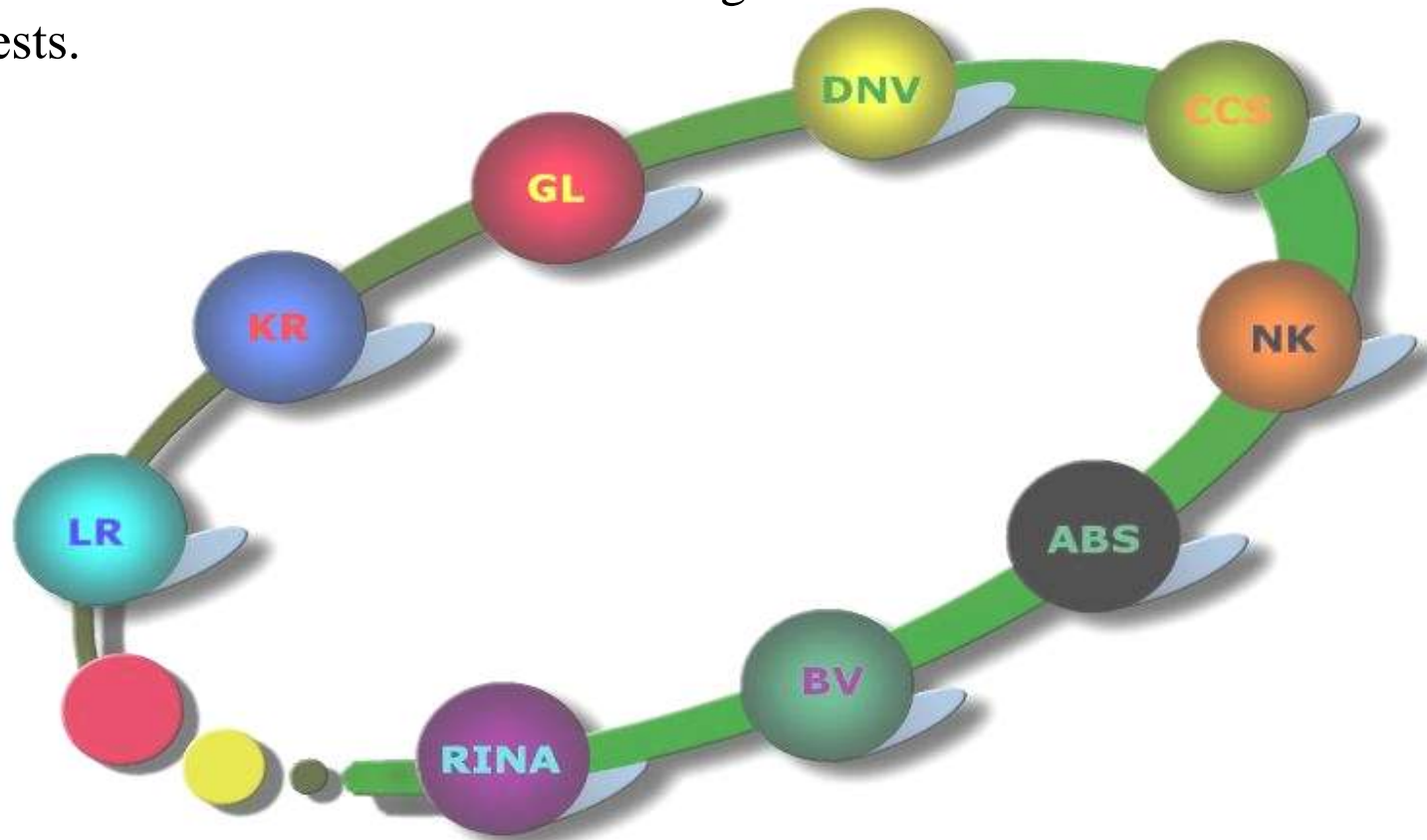
150 tons horizontal tensile machine



300 tons Compress testing machine



通过多国船级社认证，并能按客户需求提供船检证书
Approved by various countries' Classification Societies
and we could provide various certificates according to
customers' requests.



船级社工厂认可证书（部分）

Certifications of Manufacturing Assessment (Partial)



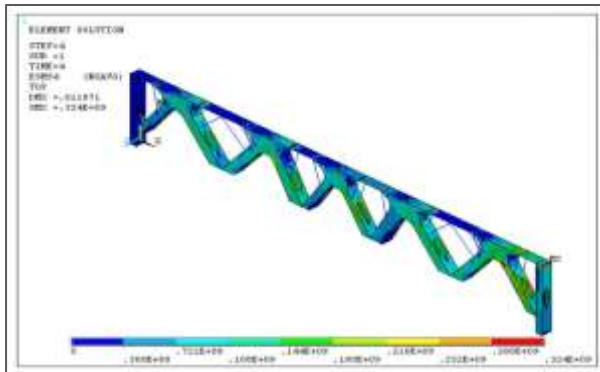
How Do we treat New Building Ships

系固系统设计 Lashing System Design

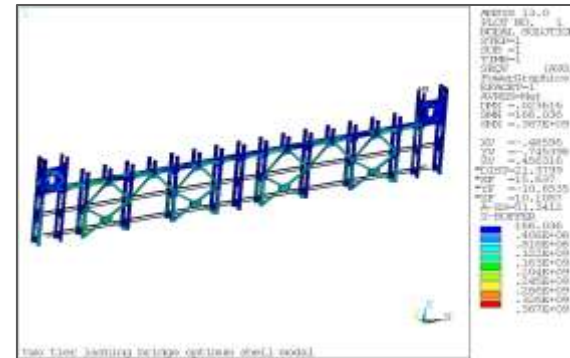
OSHA, IMO, ISO and rules of Class, optimized solution could be provided in the early stages *Maximum cargo efficiency, flexibility and safety.*



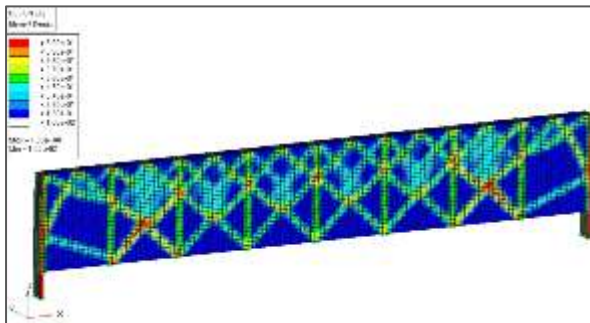
绑扎桥分析 Lashing Bridge Design and Force Analysis



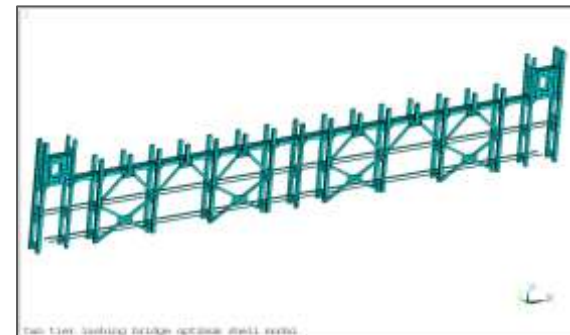
Lashing Bridge strength Analysis



Lashing Bridge strength Analysis



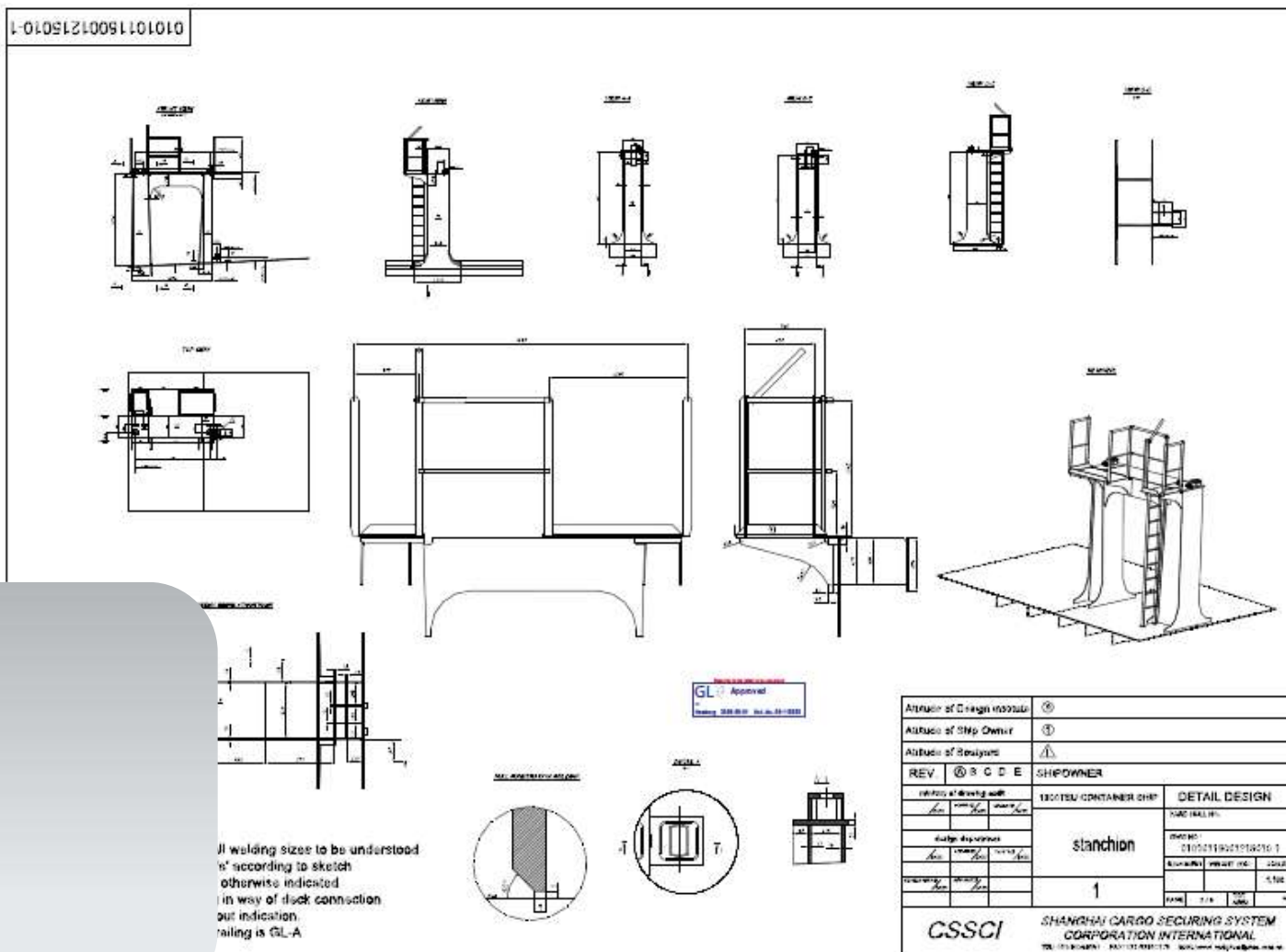
Topology Optimization Analysis



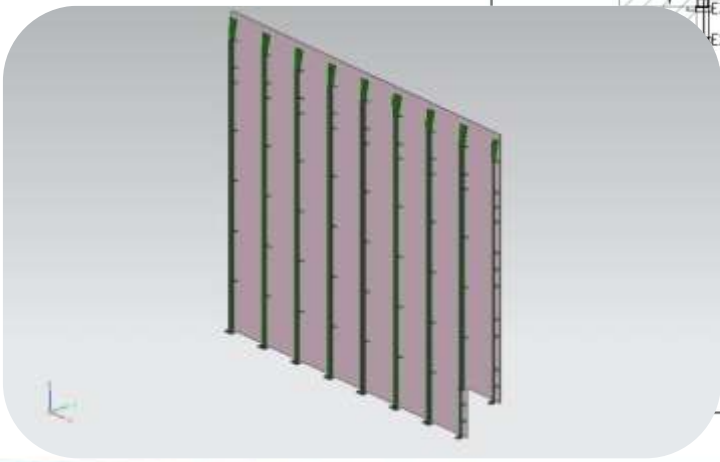
Optimum Shell Modal

支柱设计

Stanchion structure design



Cell guide design



Lashing System Force Calculation with different Class Software



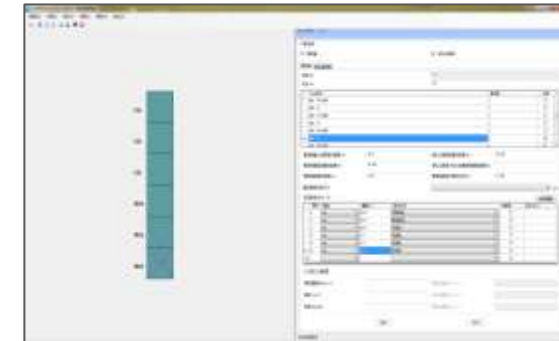
CCS



DNV-GL



ABS



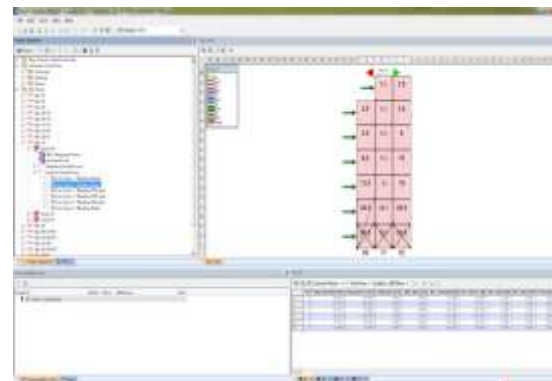
LR



BV



KR



模拟绑扎试验

Mock-up Test

10798 TEU

For

APL DUBLIN
APL PARIS

built in

DSME



模拟绑扎试验

Mock-up Test

2700 TEU

For

Carliner Trader
California Trader

built in

Yangzijiang Shipyard



集装箱绑扎计划 Container lashing plan

CARGO SECURING MANUAL



Ship Name : TACOMA TRADER
Call Sign :
IMO No. : 9675810
Classification Society : LR
Delivery Date : 29-Jun-15

EXAMINED



This plan has been examined and given the status as shown in the Design Appraisal Document (DAD) number below:

STS/SFS/171268

Date: 14 July 2015

Initials: HLZ

Marine, Shanghai Technical Support Office
Statutory Section

Lloyd's Register Classification Society China Co Ltd

LDN015.0010.10

**See Design
Appraisal Document.**



This MANUAL is prepared by:

上海中升科贸有限公司

Cargo Securing Systems Centre

Rm 2407, Building A, No.3046 North Zhongshan Road, Shanghai, China

P.C: 200063

Tel: 86-21-5109 8197

Fax: 86-21-5251 0175

E-mail: technical@cargosecuring.cn

技术领先

Leading R & D:

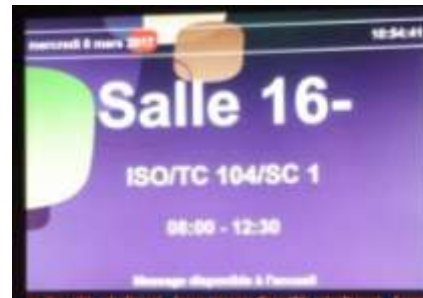
- ISO Committee member/ISO 3874 compiler/ISO 17905 Compiler
- Container Securing research center in China.
- Military Preferred Supplier



关于 ISO 17905 《船用集装箱系固装置》正式立项及
ISO/TC8/SC4/WG7 正式成立的函

昆山吉海实业公司:

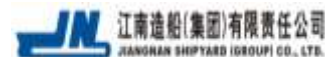
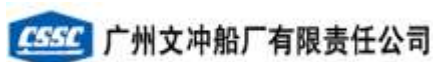
由你公司主导提出的 ISO 17905 《船舶与海洋技术——船用集装箱系固装置》(《Ships and marine technology - Marine container securing devices》)经国际标准化组织/船舶与海洋技术委员会/舾装与甲板机械分技术委员会 (ISO/TC8/SC4) P 成员国投票后已于 2012 年 2 月 15 日正式立项 (立项投票结果见附件 1), 项目负责人为你公司张双庆。



Who we are working with

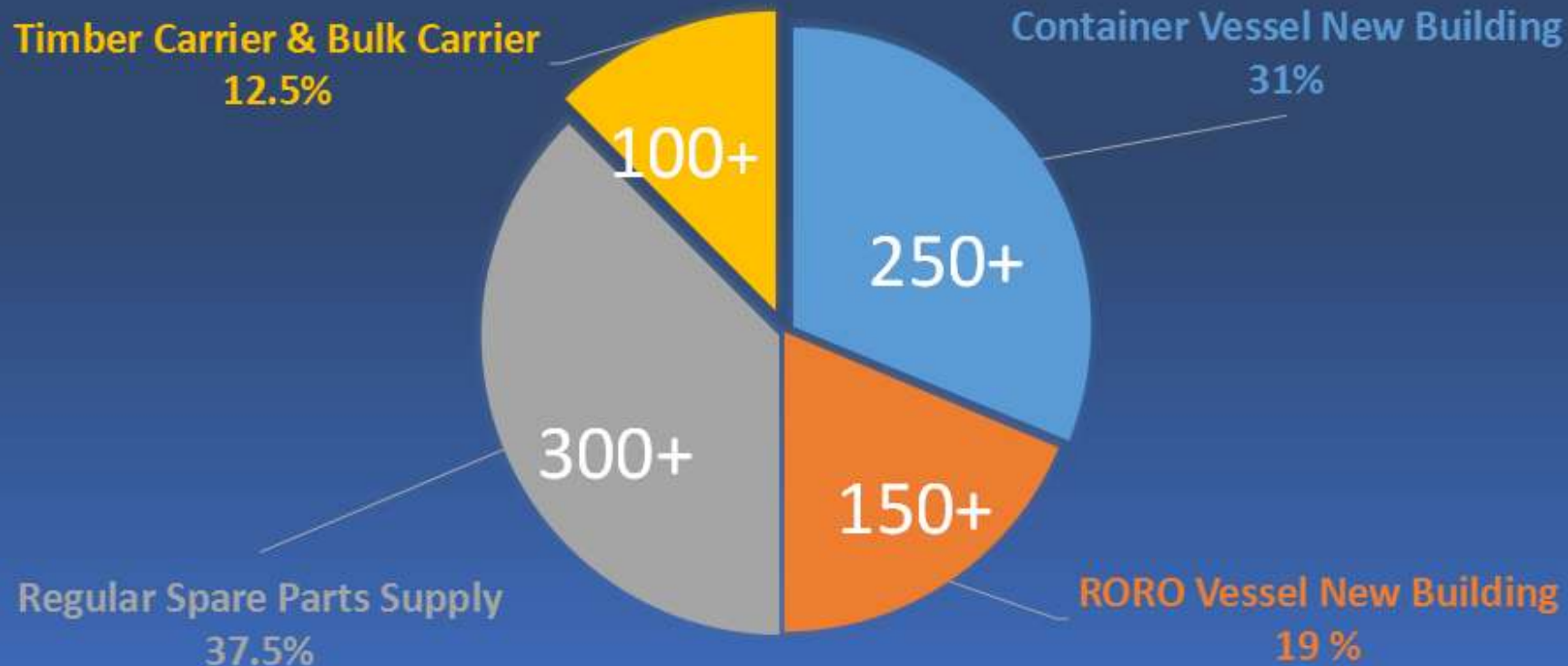
主要客户及业绩表

Customers' Reference List



1000+

Served Vessel Since 1993



Long-term Cooperation (Foreign owned vessels)



4条 * 6700车位滚装船

JLZ9150406/07/08

6700 PCTC * 3



4条 * 8000车位滚装船

NB005-1/02/03/04

8000 PCTC * 4



7条 * 28000dwt. MPV

HCY-135/136/137/138/139/140/143

28000dwt. MPV*7

Long-term Cooperation (Domestic owned vessels)



4条 * 2000/3800车滚装船

2000/3800 PCTC



8条 * 2000米车道滚装船

2000 M Roro*8



6条 * 3000米火车轮渡

Train Ferry

Long-term Cooperation

10798 TEU * 2

APL DUBLIN APL PARIS

SHIPYARD:

Daewoo Shipbuilding Marine Engineering

8100 TEU * 2

APL ANTWERP APL LATVIA

SHIPYARD:

KOYO Dockyard

6350 TEU * 4

APL MINNESOTA APL OREGON
APL TOKYO APL FLORIDA

SHIPYARD:

KOYO Dockyard

5500 TEU * 4

APL Belgium APL Holland
APL England APL Scotland

SHIPYARD:

Samsung Shipbuilding & Heavy industries



Long-term Cooperation



6000 TEU * 6 in 2016

Fixed securing equipment during Dry docking period

SEALAND EAGLE SEALAND MERCURY SEALAND COMET
SEALAND CHARGER SEA LAND LIGHTENING SEALAND INTREPID

6000 TEU * 4 in 2017

Fixed securing equipment during Dry docking period

MAERSK SELETAR MAERSK SENTOSA



4400 TEU * 4 Initial Supply

MOL Diamond MOL Dignity
MOL Direction MOL Distinction

SHIPYARD:

Daewoo Shipbuilding Marine Engineering

Long-term Cooperation

1100 TEU * 6

Taipei Trader Tokyo Trader
Tacoma Trader Toronto Trader
Trinidad Trader Tampa Trader

YEAR : 2014--2016

SHIPYARD:

Jiangsu Yangzijiang Shipyard

1800 TEU * 24

YZJ- 2015-2316/2317/2318/2319
N739/740/741/803/804/805

YEAR : 2016

SHIPYARD:

Jiangsu Yangzijiang Shipyard
COSCO (Guangdong) Shipyard

2700 TEU * 4

Carolina Trader California Trader
Delaware Trader Connecticut Trader

YEAR : 2017

SHIPYARD:

Jiangsu Yangzijiang Shipyard
Guangzhou Wenchong Shipyard



What we are fighting against
需要杜绝的现象

Report of Accident due to Inexperienced/Unqualified Supplier



10 Million EURO to Indemnify -- CMA CGM

Market Envision

As an innovative company standing in the market for over 25 years,
we will not be satisfied with what we have already achieved,
But always focus on the current and future market.

Sense of
urgency

Market-
sensitivity

Customer
s-oriented

Credible,
promising
partners

Thank you for your attention!