



货物系固系统
CARGO SECURING SYSTEMS

CARGO SECURING
SYSTEMS CENTRE

KUNSHAN LUCKY
SEA INDUSTRIAL



Introduction

中国船舶工业集团公司
CSSC by 50%

中国船舶重工集团公司
CSIC by 50%



昆山吉海实业公司
LUCKYSEA INDUSTRIAL

工厂展示

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



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



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

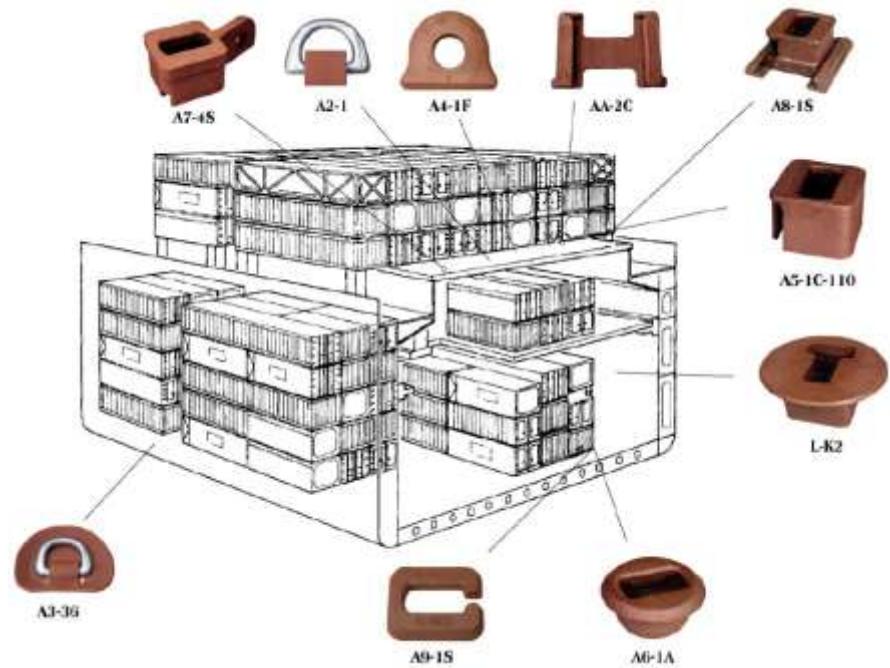


In Shanghai:
We provide systems design & sales related support

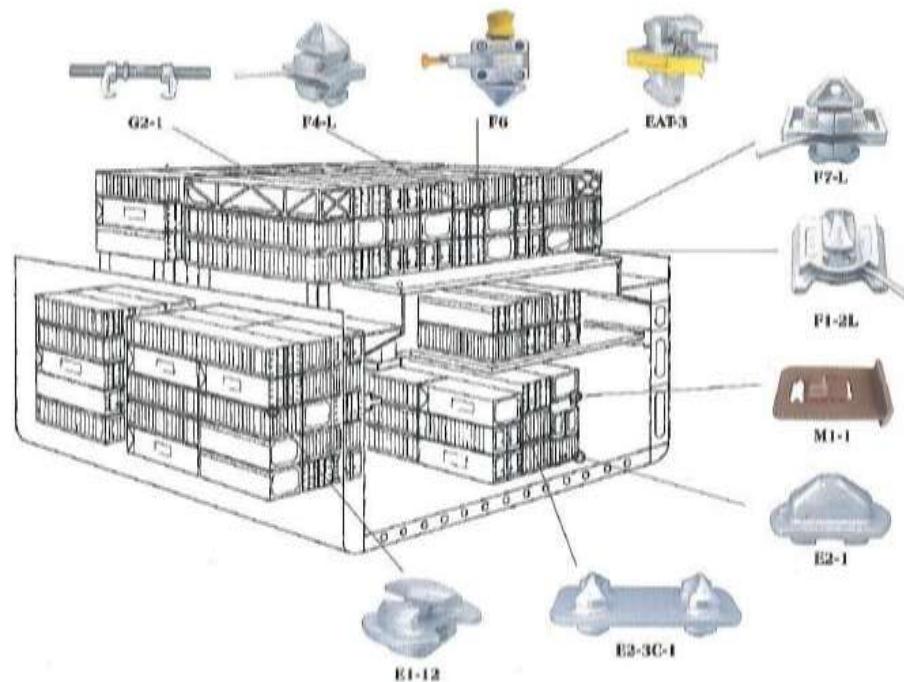
便捷高效的绑扎设备

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)





货物系固系统
CARGO SECURING SYSTEMS

Quality Assurance System

完美的品质保证



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,JUANGSU,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, 156, LANE 498, DONGCHANG ROAD, CHINA (SHANGHAI) PILOT FREE TRADE ZONE OPERATION ADDRESS ROOM 2406, BUILDING A., NO.3094	DESIGN AND SALES OF CARGO AND CONTAINER FASTENING AND LASHING EQUIPMENTS

Cert. No. ENB-J313991-LK

Version: No. 01. Revision date: 05-MAR-14 BY: 2017

Signed on Behalf of ICHM GAS UK Branch

Certification Body address: 5 Floor, 86 Prescot Street, London E1 8HQ, United Kingdom
Local office address: Room B, P4, Wu 12388, Wulian Road, Huizhou District, Shenzhen, China
Registration number: 008

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

To check this certificate validity please call (486 21 23190399)

Contract organization fails to include strict pass/fail criteria

continuously valid. Information of this certificate may be obtained by visiting CHCA website.

www.0764.it/044-670

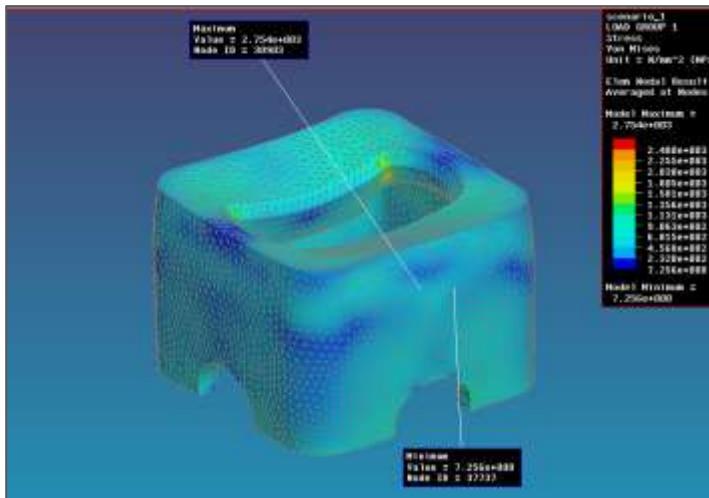
第二章



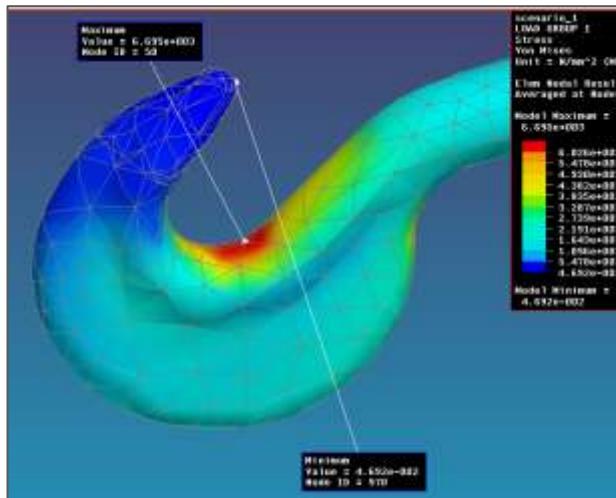
FRANCE
BV ISO9001
Quality
System
Certification



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

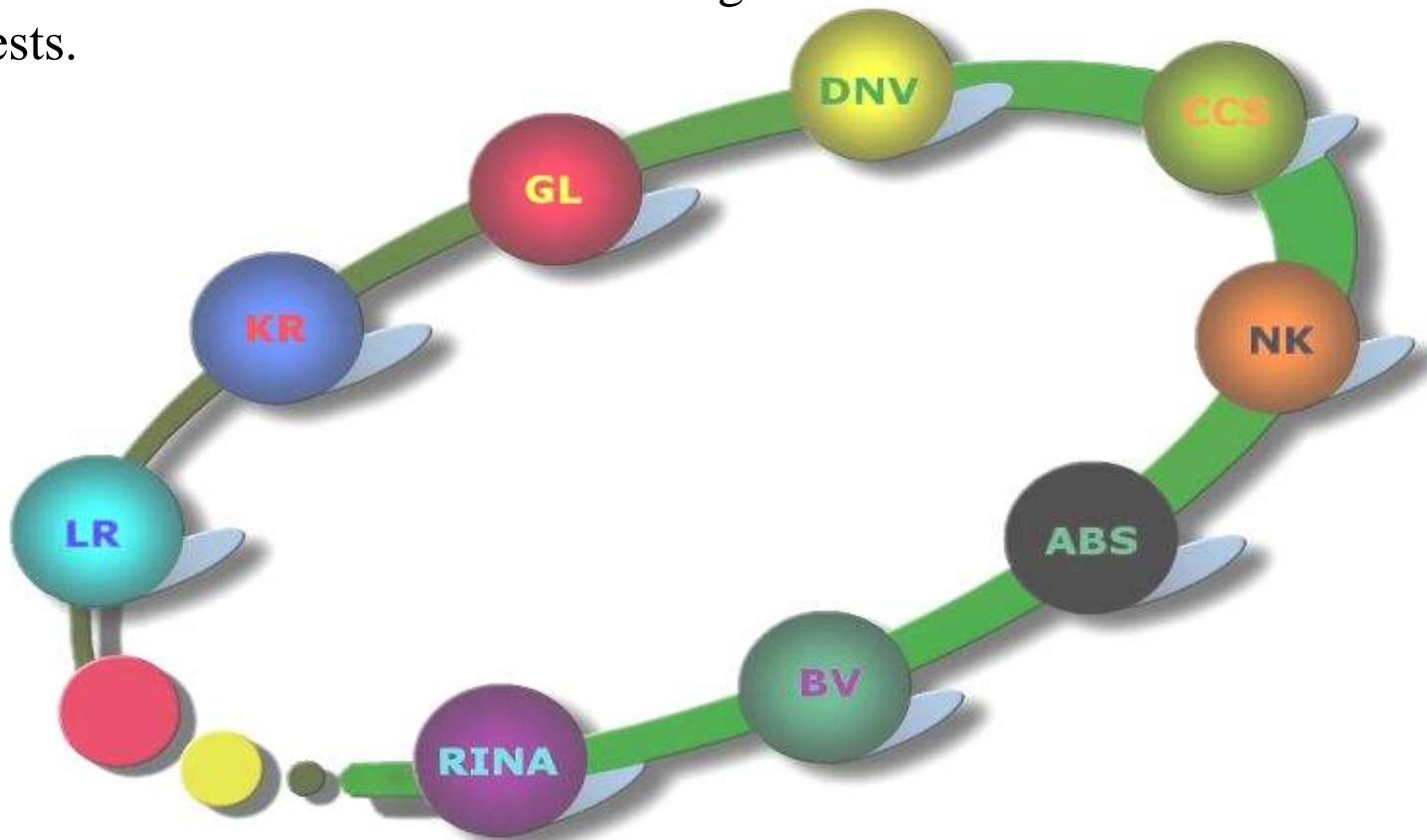


150 tons horizontal tensile machine

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.

Lashing
Plan &
Stowage
Design

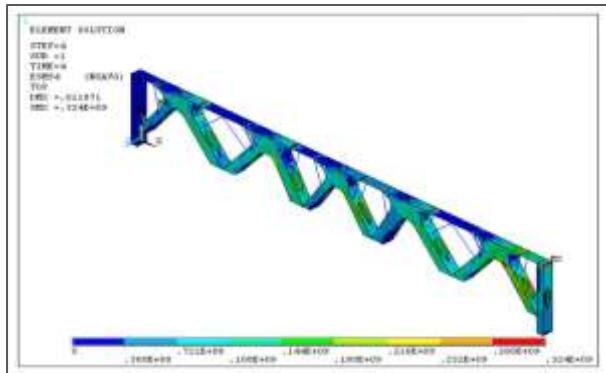
Cell guide
Stanchion
Lashing
Bridge/Platform
design

Mock-up
Test

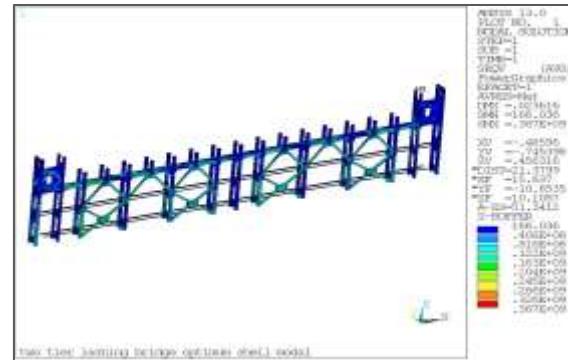
CSM
(Cargo
Securing
Manual)



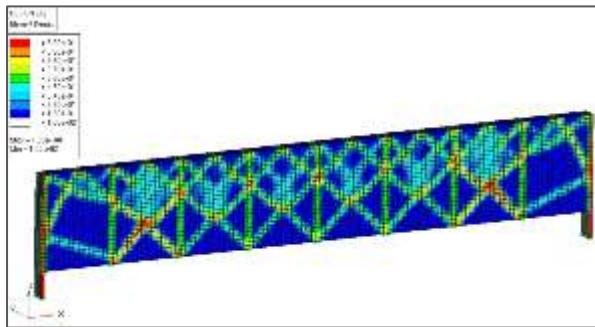
绑扎桥分析 Lashing Bridge Design and Force Analysis



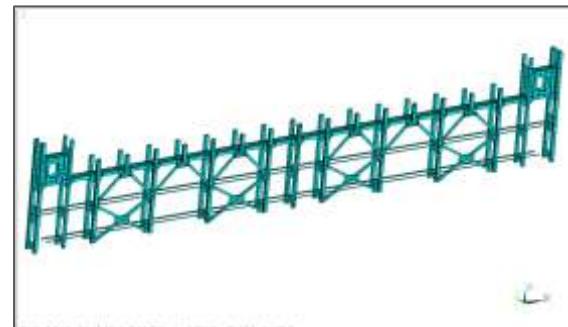
Lashing Bridge strength Analysis



Lashing Bridge strength Analysis



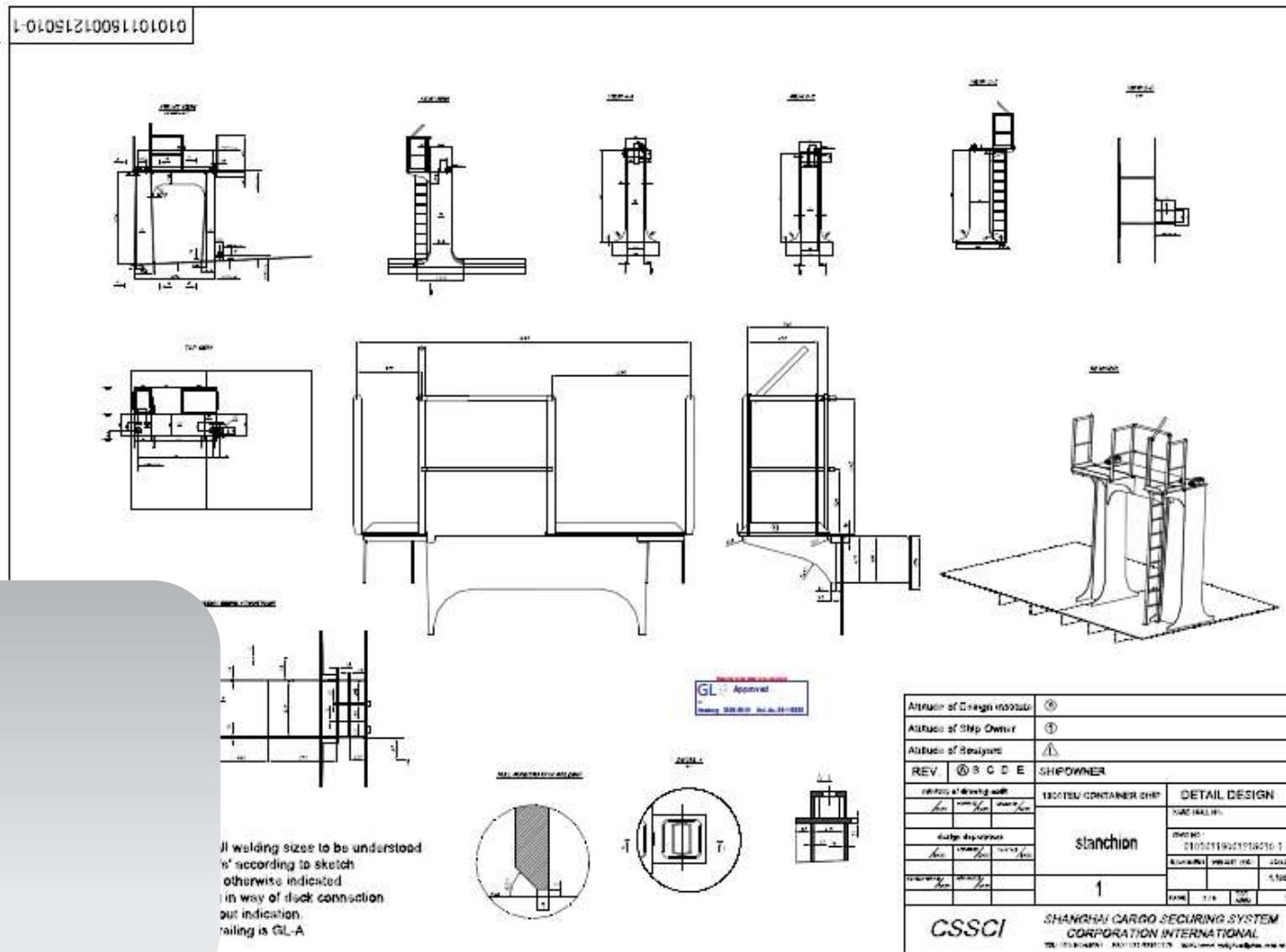
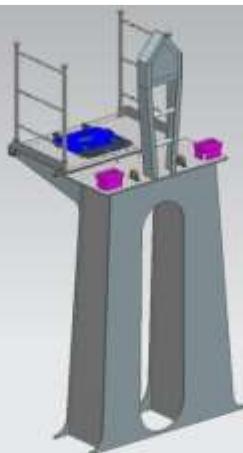
Topology Optimization Analysis



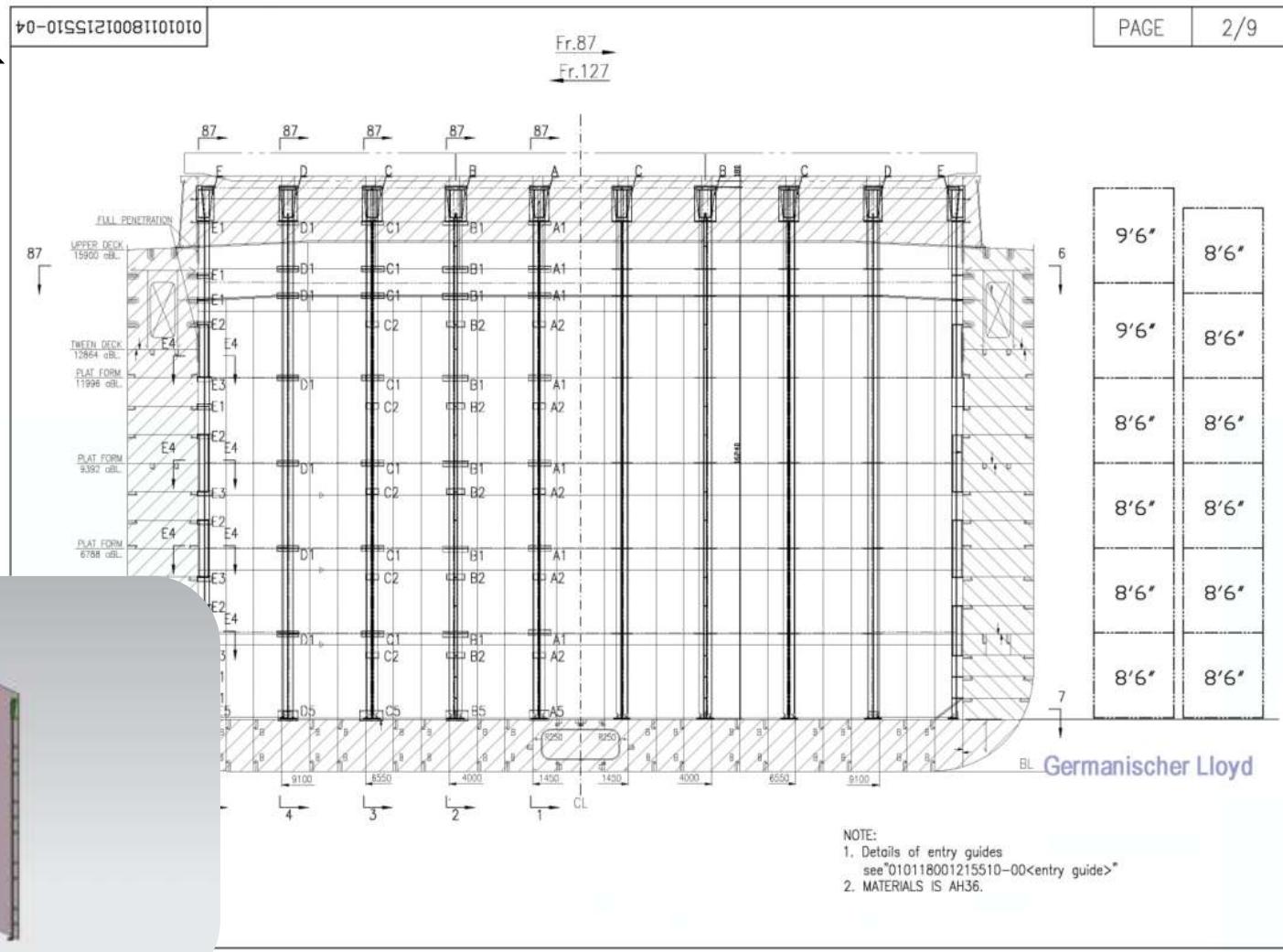
Optimum Shell Modal

支柱设计

Stanchion structure design



舱内导轨设计 In-cabin guide design



Lashing System Force Calculation with different Class Software



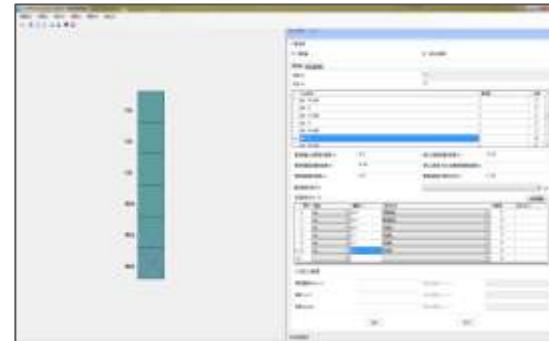
CCS



DNV-GL



ABS



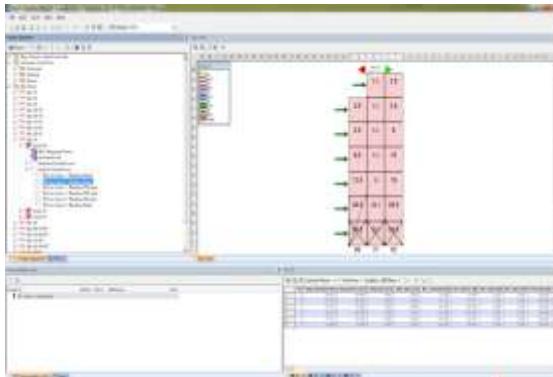
LR



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

Caroliner 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

This MANUAL is prepared by:

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E-mail: technical@cargosecuring.cn

**See Design
Appraisal Document.**



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



ISO/TC8/SC4秘书处

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：

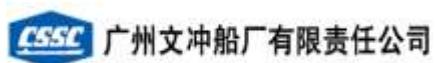
由你公司主导提出的 ISO 17905 《船舶与海洋技术——船用集装箱系固装置》(《Ships and marine technology - Marine container securing devices》)经国际标准化组织/船舶与海洋技术委员会/舾装与甲板机械分技术委员会(ISO/TC8/SC4) P 成员国投票后已于 2012 年 2 月 15 日正式立项(立项投票结果见附件 1)，项目负责人为你公司张双庆。



Who we are working with

主要客户及业绩表

Customers' Reference List



1000 +

Served Vessel Since 1993

Timber Carrier & Bulk Carrier

12.5%

100+

Container Vessel New Building

31%

250+

300+

150+

Regular Spare Parts Supply

37.5%

RORO Vessel New Building

19 %

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



8100 TEU * 2

APL ANTWERP APL LATVIA

6350 TEU * 4

APL MINNESOTA APL OREGON
APL TOKYO APL FLORIDA

5500 TEU * 4

APL Belgium APL Holland
APL England APL Scotland

SHIPYARD:

Daewoo Shipbuilding Marine Engineering

SHIPYARD:

KOYO Dockyard

SHIPYARD:

KOYO Dockyard

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 Direction

MOL Dignity
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!