

# Company Profile

## 公司简介

*Santacc Energy Co., Ltd*

*[www.santacc.com](http://www.santacc.com)*

*Tel: 15705286111*

*E-mail: [pz@santacc.com](mailto:pz@santacc.com)*

## HSE Tips: HSE 宣讲:

1. Please do not visit the factory alone;  
**谢绝擅自参观工厂。**
2. Please do not take photos of any products;  
**谢绝擅自对产品进行拍照。**
3. Please always walk within the GREEN safety lines in the workshop;  
**参观车间过程中，请行走在两条绿色安全线内。**
4. Please keep away from the working facilities;  
**请远离正在作业的生产设备。**
5. Please always wear a helmet and safety glasses before entering the workshop ;  
**进入车间必须带安全帽和保护眼镜。**
6. No smoking in meeting rooms and workshops;  
**办公室和车间内禁止吸烟。**

# Company Profile



SANTACC Energy Co., Ltd headquarter and main yard, is located in ZhenJiang DaGang, which is near the Yangtze River, the longest river in China.

长江能科的总部及主厂区位于长江边上的江苏镇江大港

## LOCATION

## TRANSPORTATION

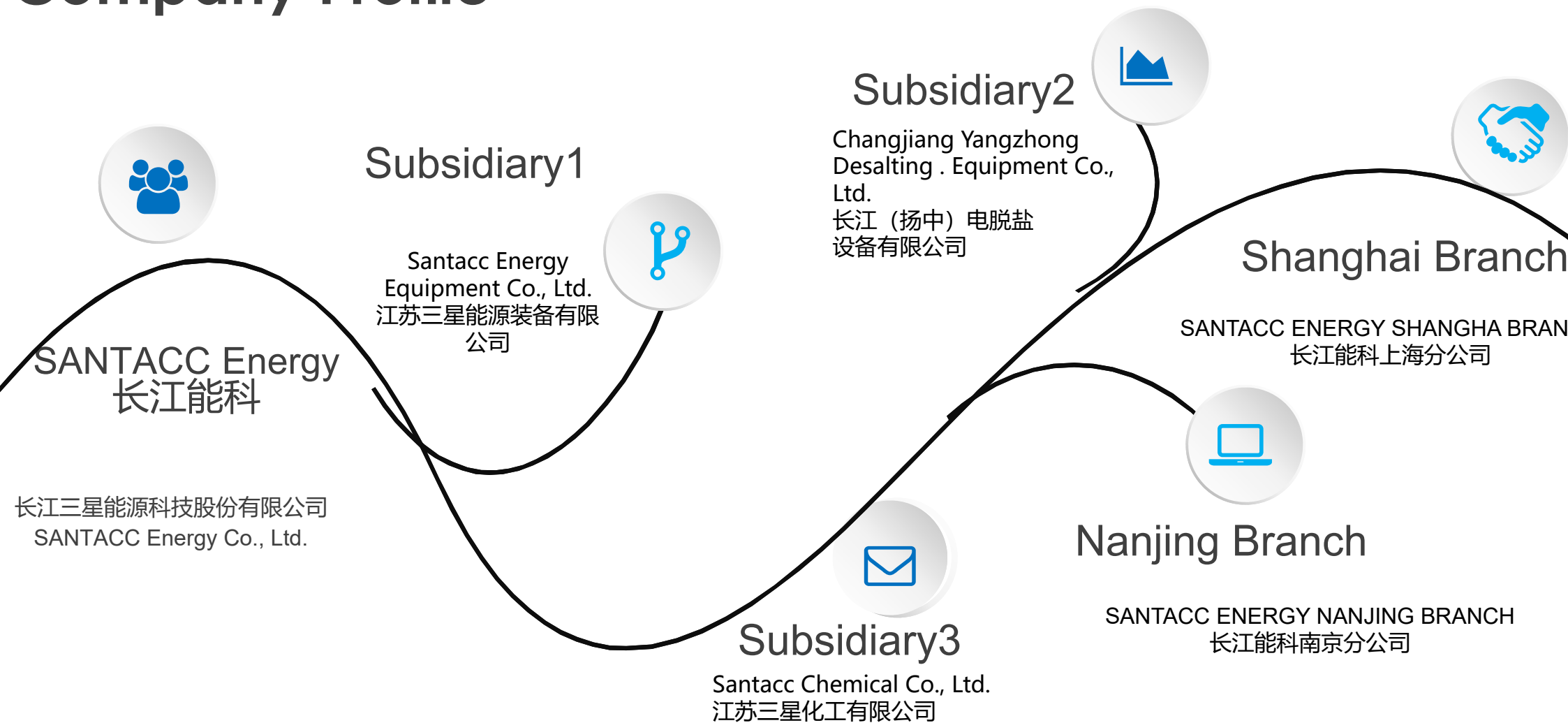
3 hours' driving from Shanghai. 距离上海大约3小时车程

1.5 hour' driving from Nanjing .距离南京大约1.5小时车程



Add value for yo

# Company Profile



Add value for you

# Company Profile



## AVL CERTIFICATION 认证证书



**SINOPEC**  
中石化



**PEMEX**  
墨西哥石油



**KOC**  
科威特石油



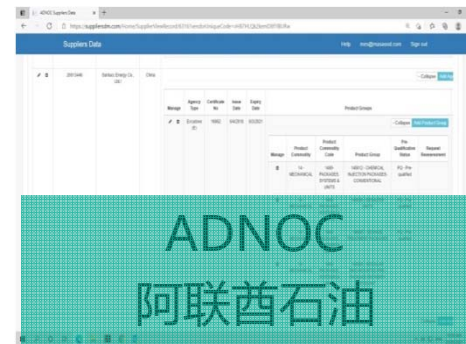
**PETROBRAS**  
巴西石油



**JSRS**  
阿曼石油



**CNOOC**  
中海油



**ADNOC**  
阿联酋石油



Add value for you

# Company Profile



## Vendor Qualifications EPC公司认证

The screenshot shows the Petrofac Supplier Dashboard. At the top, there is a blue header with the Petrofac logo on the left, a user profile icon and name 'Welcome Amy' on the right, and the time 'UAE Time: 01/02/2023, 10:15'. Below the header, there are two buttons: 'Supplier Dashboard' (active) and 'View RFQ History'. A navigation menu on the left includes 'RFQ Portal'. The main content area displays a table of RFQs with the following data:

Project No.	Project Name	RFQ No.	RFQ Title	RFQ Issue Date	Bid Due Date	Days Left	Quote Status	Actions
110214	PI22035	PI-22035-060	Chemical Injection Packages and API 675 Pumps	25-Jan-2023 03:49:50 PM	08-Feb-2023 07:27:27 PM	7 days 9 Hours 13 min	Not Submitted	[Print] [Refresh] [Search]
110054	PI22019	PI-22019-017	ELECTRSTATIC COALESCER	24-Jun-2022 01:47:40 PM	30-Jun-2022 11:59:59 PM	-215 days 10 Hours 15 min	Not Submitted	[Print] [Refresh] [Search]
109978	PI22009	PI-22009-008	Storage Tanks & Spheres	25-Mar-2022 04:36:46 PM	08-Apr-2022 03:15:36 PM	-298 days 18 Hours 59 min	Not Submitted	[Print] [Refresh] [Search]

Below the table, it says 'You are viewing page 1 of 1' and 'Page Size: 10'. A note at the bottom states: 'Note: All timing are UAE time zone.'

EPC-Petrofac

The screenshot shows the MDEC User Preferences dialog box. The background is a dark blue interface with 'Sourcing Applications' and 'Vendor Query' visible. The dialog box is white and contains the following information:

- Header: User Preferences
- Organization: Santacc Energy Co., Ltd. 0010021408
- Server: mobile.modec.com
- Language: EN
- Theme: Modec Blue Crystal
- Buttons: Save, Cancel

EPC-Modec

Add value for you

# Company Profile

Our company has passed —

ISO9000 quality management system certification, 质量管理体系认证

ISO14001: 2004 environmental management system certification, 环境管理体系认证

OHSAS18001 occupational health and safety management system certification, 职业健康管理体系认证



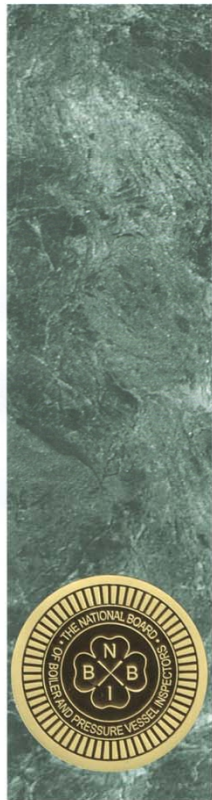
Add value for you

# Company Profile



## ASME Pressure Vessel Certificate

### 美标压力容器证书



THE NATIONAL BOARD  
OF  
BOILER & PRESSURE VESSEL INSPECTORS

### Certificate of Authorization to Register



This is to certify that

Santacc Energy Co., Ltd.  
No. 80 Jingang Road  
Zhenjiang New District  
Zhenjiang City, Jiangsu Province, 212132  
China

is authorized to apply the "NB" mark and register boilers,  
pressure vessels or other pressure retaining items with the  
National Board.

The scope of Authorization is limited to items manufactured  
in accordance with:

ASME Designator(s): U, U2

Issue Date: January 5, 2017

This Certificate of Authorization to Register will remain in  
effect as long as the manufacturing organization holds a  
valid Certificate of Authorization issued by the American  
Society of Mechanical Engineers.

Executive Director

The American Society of Mechanical Engineers



### CERTIFICATE OF AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

Santacc Energy Co., Ltd.  
No. 80 Jingang Road  
Zhenjiang New District  
Zhenjiang City, Jiangsu Province 212132  
People's Republic of China

SCOPE:

Manufacture of pressure vessels at the above location only

AUTHORIZED: December 05, 2022

EXPIRES: December 05, 2025

CERTIFICATE NUMBER: 53880

Board Chair, Conformity Assessment

Managing Director, Standards & Engineering Services



### CERTIFICATE OF AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

Santacc Energy Co., Ltd.  
No. 80 Jingang Road  
Zhenjiang New District  
Zhenjiang City, Jiangsu Province 212132  
People's Republic of China

SCOPE:

Manufacture of Class 1 and Class 2 pressure vessels at the above location only

AUTHORIZED: December 05, 2022

EXPIRES: December 05, 2025

CERTIFICATE NUMBER: 53881

Board Chair, Conformity Assessment

Managing Director, Standards & Engineering Services

The American Society of Mechanical Engineers



Add value for you



# Company Profile



## GB150 Pressure vessel Design and Fabrication Licenses

### 国标容器设计及制造证书

中华人民共和国  
特种设备生产许可证  
Production License of Special Equipment  
People's Republic of China

编号: TS1232237-2027

单位名称: 长江三星能源科技股份有限公司  
住 所: 扬中市中电大道2号  
办公地址: 镇江市京口区金港大道80号  
经审查, 获准从事以下特种设备生产活动:

许可项目	许可子项目	许可参数	备注
压力容器设计	固定式压力容器规则设计	—	

发证机关: 江苏省市场监督管理局  
有效期至: 2027年03月20日 发证日期: 2023年03月21日

江苏省市场监督管理局制

中华人民共和国  
特种设备生产许可证  
Production License of Special Equipment  
People's Republic of China

编号: TS2232E97-2026

单位名称: 长江三星能源科技股份有限公司  
住 所: 扬中市中电大道2号  
制造地址1: 镇江市扬中市中电大道2号  
制造地址2: 镇江新区金港大道80号  
经审查, 获准从事以下特种设备生产活动:

许可项目	许可子项目	许可参数	备注
压力容器制造	固定式压力容器 其他高压容器(A2)	—	设计许可单独 取证

发证机关: 江苏省市场监督管理局  
有效期至: 2026年12月29日 发证日期: 2022年12月27日

江苏省市场监督管理局制

中华人民共和国  
特种设备生产许可证  
Production License of Special Equipment  
People's Republic of China

编号: TS2210C88-2026

单位名称: 长江三星能源科技股份有限公司  
住 所: 江苏省镇江市扬中市中电大道2号  
制造地址: 1. 江苏省镇江市扬中市中电大道2号  
2. 江苏省镇江新区大港金港大道80号  
经审查, 获准从事以下特种设备生产活动:

许可项目	许可子项目	许可参数	备注
压力容器制造	大型高压容器(A1)	—	制造地址1: 限其他 高压容器(A2); 压 力容器设计许可单独 取证

发证机关: 国家市场监督管理总局  
有效期至: 2026年12月29日 发证日期: 2022年12月27日

全国特种设备公示信息查询平台网址: <http://cnse.sme.gov.cn>

Add value for you

# Company Profile



## GC1 Pipeline Design and Fabrication Licenses

### 压力管道设计及安装证书

中华人民共和国  
特种设备生产许可证  
Production License of Special Equipment  
People's Republic of China

编号: TS1832143-2026

单位名称: 长江三星能源科技股份有限公司  
住 所: 扬中市中电大道2号  
办公地址: 扬中市中电大道2号

经审查, 获准从事以下特种设备生产活动:

许可项目	许可子项目	许可参数	备注
压力管道设计	工业管道(GC1、GC2)	—	/

发证机关: 江苏省市场监督管理局  
有效期至: 2026年01月11日 发证日期: 2022年01月12日

江苏省市场监督管理局制

中华人民共和国  
特种设备生产许可证  
Production License of Special Equipment  
People's Republic of China

编号: TS3832980-2026

单位名称: 长江三星能源科技股份有限公司  
住 所: 扬中市中电大道2号  
办公地址: 江苏省扬中市中电大道2号;

经审查, 获准从事以下特种设备生产活动:

许可项目	许可子项目	许可参数	备注
承压类特种设备 安装、修理、改造	工业管道安装(GC1)	—	/

发证机关: 江苏省市场监督管理局  
有效期至: 2026年03月22日 发证日期: 2022年03月23日

江苏省市场监督管理局制

Add value for you

# Company Profile



## BV and NK Verifications 法国及日本船级社认证证书

Page 1 / 2



Marine & Offshore

Certificate number: SMS W II /125249/A.0

www.veristar.com

### RECOGNITION FOR BV MODE II SCHEME

Santacc Energy Co., Ltd.  
Yangzhong - CHINA

Summary of the range of the recognition which is detailed in the subsequent page(s):  
-PRESSURE VESSEL

This certificate is issued to attest that Bureau Veritas Marine & Offshore has performed, at the above company's request and in compliance with the requirements of NR320, a satisfactory assessment of the manufacturing facilities and associated quality procedures related to the range of the recognition.

This certificate will expire on: 25 Mar 2024

For BUREAU VERITAS,  
At BV SHANGHAI, on 29 Mar 2020,  
George Qiao



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristar.com/veristar/bj/viewPublicPdf/Recognition.jpg?d=mb4jbtamr>

BV Mod. Ad.E: 697 June 2017

This certificate consists of 2 page(s)



NIPPON KAIJI KYOKAI

### APPROVAL CERTIFICATE OF MANUFACTURING BOILERS OR GROUP 1 PRESSURE VESSELS

Certificate No. TA21312M

This is to certify that the undernoted manufacturer has been approved for the manufacturing boilers or Group 1 pressure vessels in accordance with the requirement of 11.2.1-3, Part D of "Rules for the Survey and Construction of Steel Ships" and Chapter 5, Part 6 of "Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use".

This certificate is issued to

Manufacturer: Santacc Energy Co.,Ltd.  
No.2 Zhongdian Ave, Yangzhong, Zhenjiang City, Jiangsu Province  
No.80 Jingang Road, Zhenjiang New District, Zhenjiang City,  
Jiangsu Province

Product description: Group 1 Pressure Vessels

Approval No.: 21EB003DF

Valid until: 27 July 2026

Issued at Tokyo on 28 July 2021.




T. Shimada  
General Manager of  
Machinery Department

Add value for you

# Company Profile



## LR and DNV Certificates 英国劳式及挪威船级社认证证书




Page 1 of 2  
Certificate No: LR23774119NA  
Issue Date: 24/09/2023  
Expiry Date: 23/09/2026

### Fusion Welded Pressure Vessels Class 1


Manufacturer	Santacc Energy Co.,Ltd
Address	No.2, Zhongdian Avenue, Yangzhong City, Zhenjiang City, Jiangsu, 212200, China
Type	Fusion Welded Pressure Vessels Class 1

This approval is subject to compliance with the Lloyd's Register Rules for the Classification of Ships. The full details of the processes, products and grades to which this approval applies are given on subsequent pages of this certificate.

This certificate is issued to the named manufacturer, and is valid until the expiry date specified. Lloyd's Register is to be notified of any change that may affect the validity of this certificate, and reserves the right to cancel or withdraw this certificate.

  
**Jaspal Niranjan**  
 Welding Team Leader to Lloyd's Register  
 EMEL  
 A member of the Lloyd's Register group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.




Page 2 of 2  
Certificate No: LR23774119NA  
Issue Date: 24/09/2023  
Expiry Date: 23/09/2026


### Fusion Welded Pressure Vessels Class 1

Fusion Welded Pressure Vessels Class 1	Group A	Grades	Maximum Thickness	Units
As Welded	-	GTAW	10.00	mm
As Welded	-	SAW	10.00	mm
Fusion Welded Pressure Vessels Class 1	Group A	Grades	Test Temperature	Units
As Welded	-	GTAW	-20.00	Degree Celsius
As Welded	-	SAW	-20.00	Degree Celsius
Fusion Welded Pressure Vessels Class 1	Group B	Grades	Maximum Thickness	Units
As Welded	-	GTAW	10.00	mm
Fusion Welded Pressure Vessels Class 1	Group B	Grades	Test Temperature	Units
As Welded	-	GTAW	-196.00	Degree Celsius

**Limitations** GTAW approved for the welding of root run only for Group A materials.

  
**Jaspal Niranjan**  
 Welding Team Leader to Lloyd's Register  
 EMEL  
 A member of the Lloyd's Register group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Certificate No: AMT000005K

### APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:  
**That the Manufacturer**  
**Santacc Energy Co., Ltd.**  
 No.2, Zhongdian Avenue  
 Yangzhong, Zhenjiang City, Jiangsu Province, P. R. China

is approved for the  
**Manufacture of Welded Pressure Equipment, Class I & II**

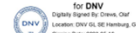
The approval is granted on condition that  
**DNV class programme DNV-CP-0261 – Manufacture of pressure equipment**  
**DNV class programme DNV-CP-0352 – Manufacture of welded products – Welding workshop**

are complied with in all respect

The welding workshop approval has been granted with the following particulars:  
 Welding supervisor : **Mr. Luo, Sen**  
 Deputy welding supervisor : **Mrs. Wu, Qiu Ping**


Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.

Issued at **Hamburg** on **2023-05-16**  
 This Certificate is valid until **2028-05-16**  
 DNV local unit: **Nanjing NB & CMC**  
 Approval Engineer: **Arthur Ivombo**

  
**Arthur Ivombo**  
 Chief Drews  
 Head of Section

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees (DNV) arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstances be limited to USD 200,000,000.

DNV class code: AM 501      Revision: 2023-12      www.dnv.com      Page 1 of 2



Job ID: 283-11-012447-1  
Certificate No: AMT000005K

### Approval basis

**Product categories:**

- welded pressure equipment of class I & II
- welded pressure vessels and heat exchangers

**Activity categories:**

- production of pressure equipment (DNV-CP-0261)
- welding of pressure equipment (DNV-CP-0352)
- welding of piping systems (DNV-CP-0352)
- destructive testing (to be subcontracted to a DNV recognized test laboratory)
- non-destructive testing (NDT)
- machining

**Remark on further activities:**  
 The below mentioned facilities are not available in manufacturing place and, if required, shall adhere to DNV-RU-SHIP-PL4 Ch.7 as follows:  
 - heat treatment to be performed at an approved heat treatment workshop as per DNV-CP-0351.  
 - manufacturing of pressed parts shall be from an approved facility as per DNV-CP-0350.  
 Surveyor may decide to visit the subcontractor as part of AOM survey.

**Remark on NDT:**  
 For non-destructive tests pertaining to pressure equipment class I & II, the procedure and requirements stipulated in specific class guidance DNV-CG-0051 and DNV-RU-SHIP PL4 Ch.7 Sec7 [4] shall be applied.

**Place of Production:**  
 Santacc Energy Co., Ltd  
 No.2, Zhongdian Avenue  
 Yangzhong, Zhenjiang City  
 Jiangsu Province, P.R. China

**Approval documentation**

**Checklists and supporting documents:**

- application for DNV approval of manufacturer (AM 901), 2023-03-29,
- checklist initial approval of manufacturers (CP-0340, 20 101a), 2023-04-07,
- application for approval of pressure equipment manufacturers (CP-0261, PEM 901), 2023-03-29,
- checklist for initial approval of pressure equipment manufacturers (CP-0261, PEM 601), 2023-04-07,
- description of welding workshop (CP-0352, WELD 901), 2023-03-29,
- welding workshop qualification record (CP-0352, WELD 521), 2023-04-07.

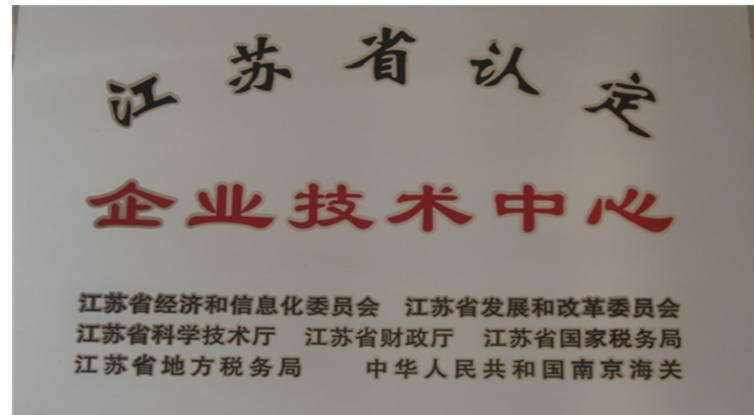
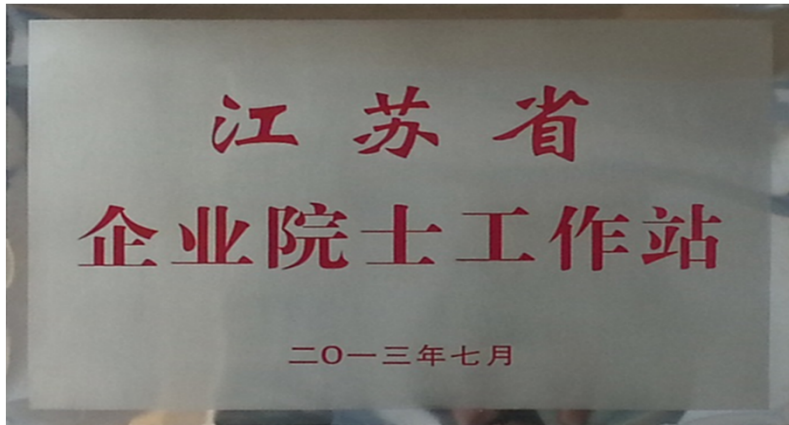
**Certificate Retention Survey**

The AOM certificate is valid for three years with no intermediate assessment unless otherwise requested by the Society. Application for renewal should be made not later than three months before the expiry date of the certificate. Manufacturer shall invite the Society's surveyor for renewal survey in order to revisit the critical manufacturing steps and to verify that the approved conditions are maintained. During the survey the manufacturer shall provide evidence that the applicable versions of relevant rules, standards and approval programs are applied, and that all requirements given therein are implemented.

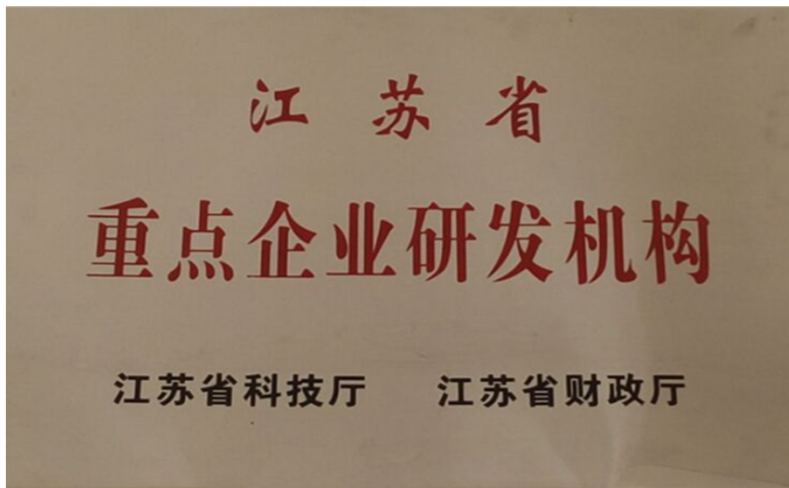
Form code: AM 501      Revision: 2023-12      www.dnv.com      Page 1 of 2

Add value for you

# Company Profile



1. Jiangsu Provincial Academician Work Station  
江苏省院士工作站
2. Jiangsu Provincial Enterprise Technology Center  
江苏省企业技术中心



3. Jiangsu Provincial Key Research Organization  
江苏省重点企业研发机构
4. Jiangsu Provincial Heavy and Inferior Crude Oil Processing Test Lab  
江苏省原油预处理装备工程实验室

Add value for you

# Company Profile



SANTACC has more than 60 items of valid patents.  
长江能科拥有超过60项的专利技术。



Add value for you

# Company Profile



## 1. 专精特新“小巨人”企业



Add value for you

# Company Profile



## Main Design Software 主要设计软件



Tekla Structures Xsteel



PV ELITE

CAESAR II®

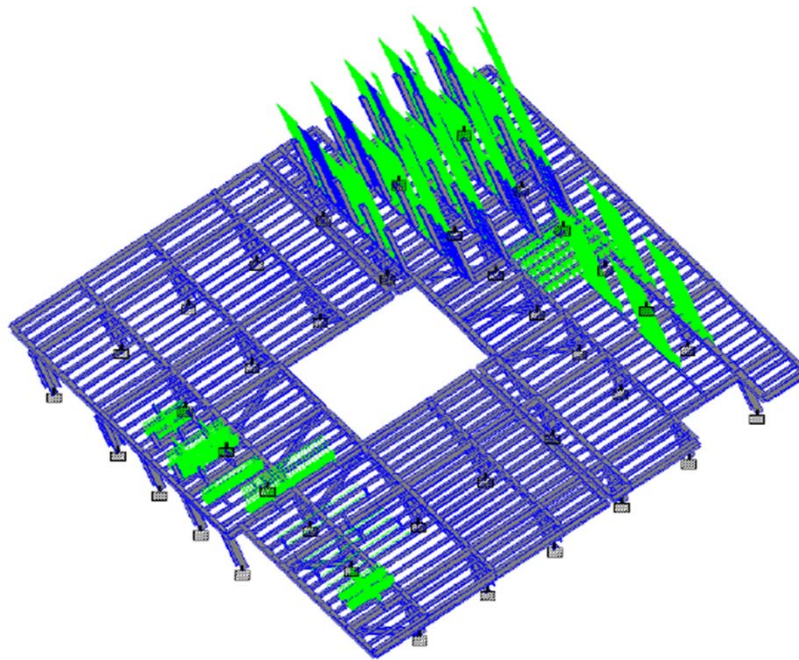
SW6-2011

Add value for you

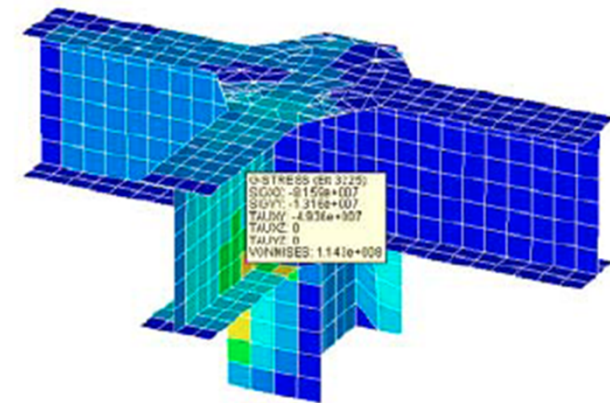
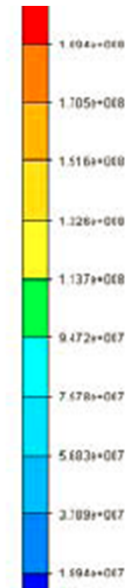


# Company Profile

## Module Structure Strength Analysis



Utilize Staad por. for truss  
structure API, AISC code check



Module structure detail  
connection strength analysis

*Add value for yo*

# Company Profile

## Module Lifting Analysis

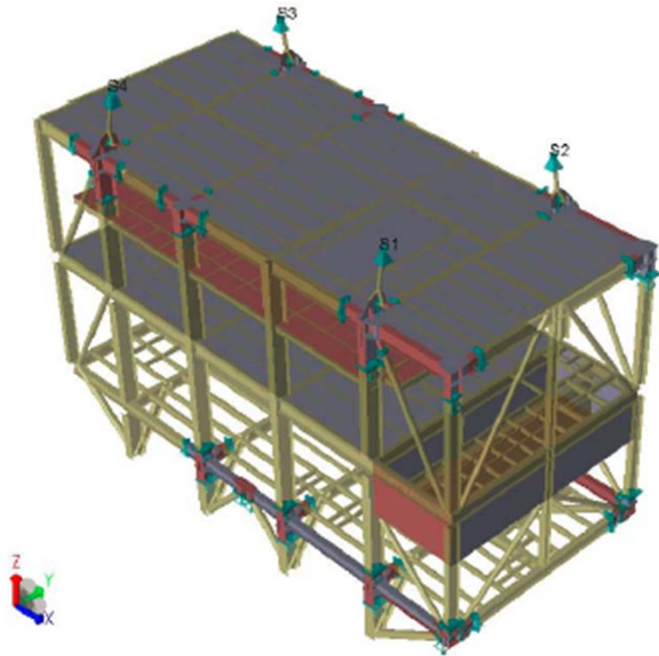
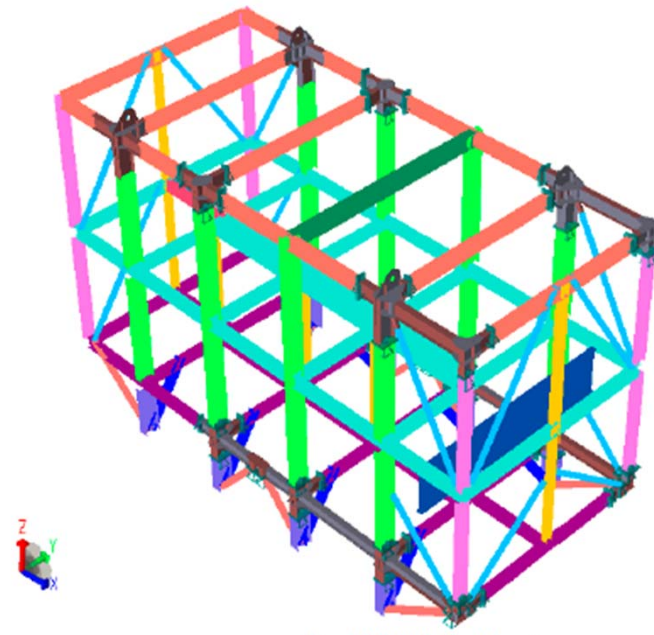


Fig 6-1- Supports

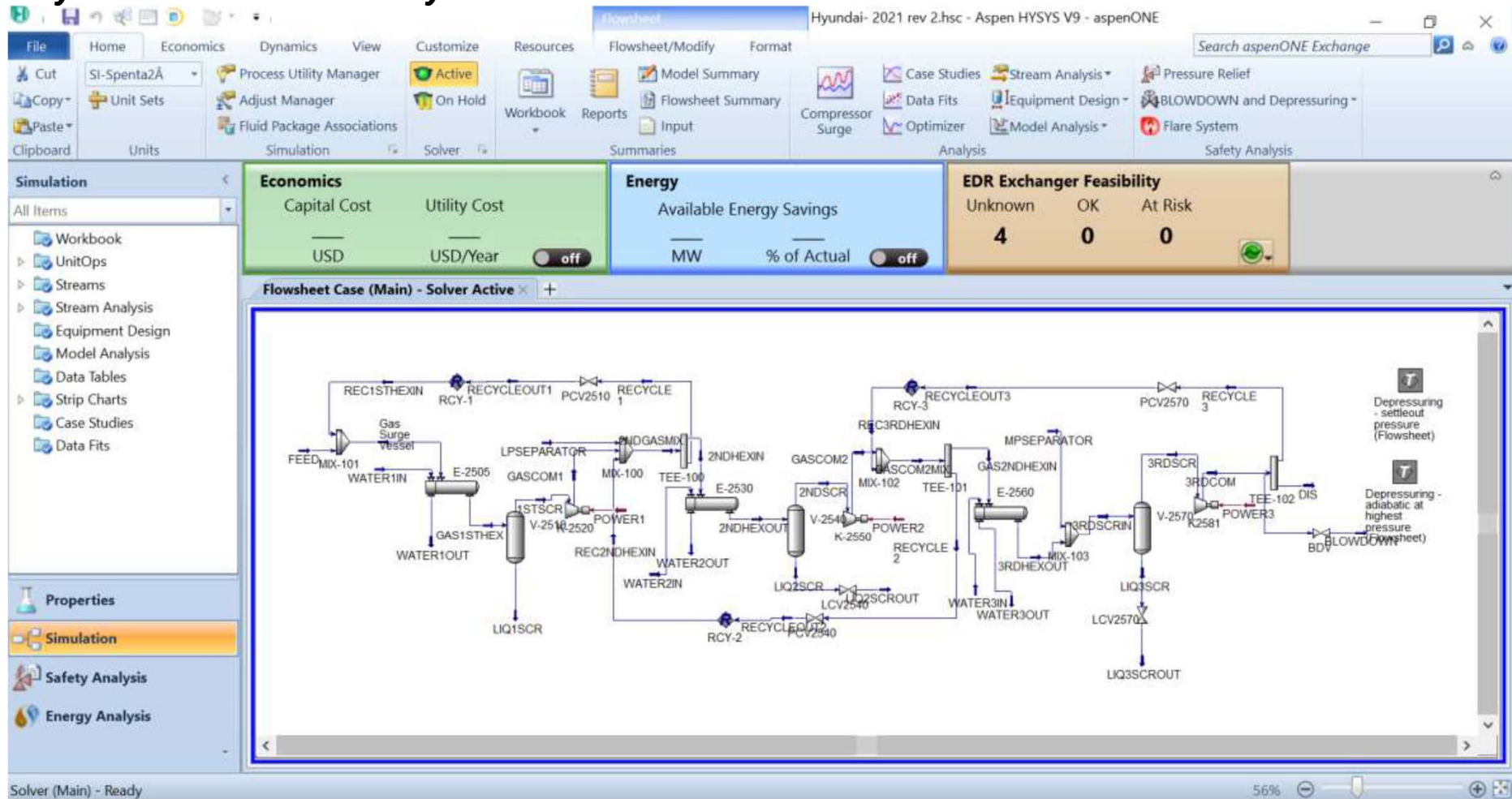


FigureII-3: Global model\_primary

# Company Profile



## Process System Simulation Analysis

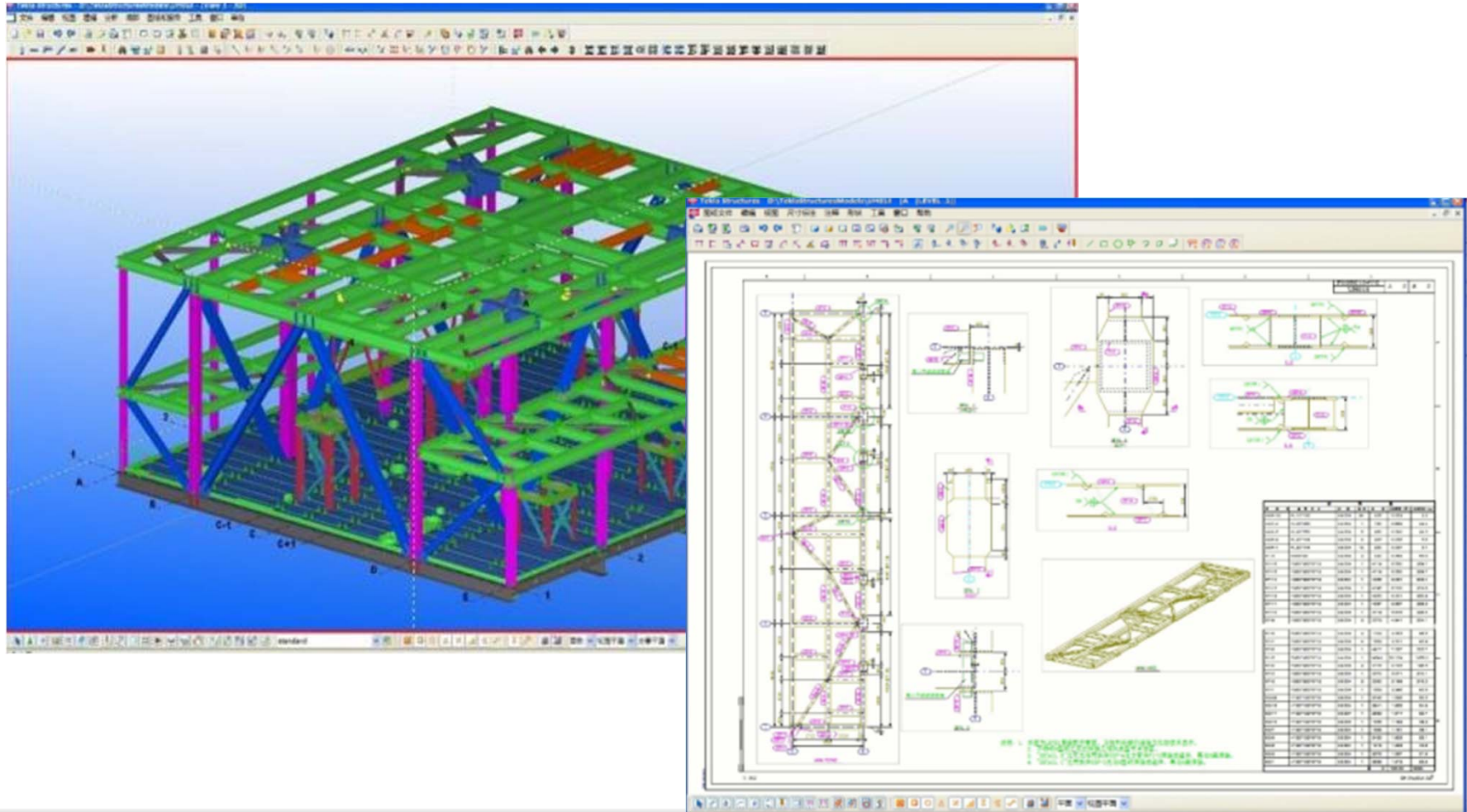


Add value for you

# Company Profile



## 3D Model Work - Structure

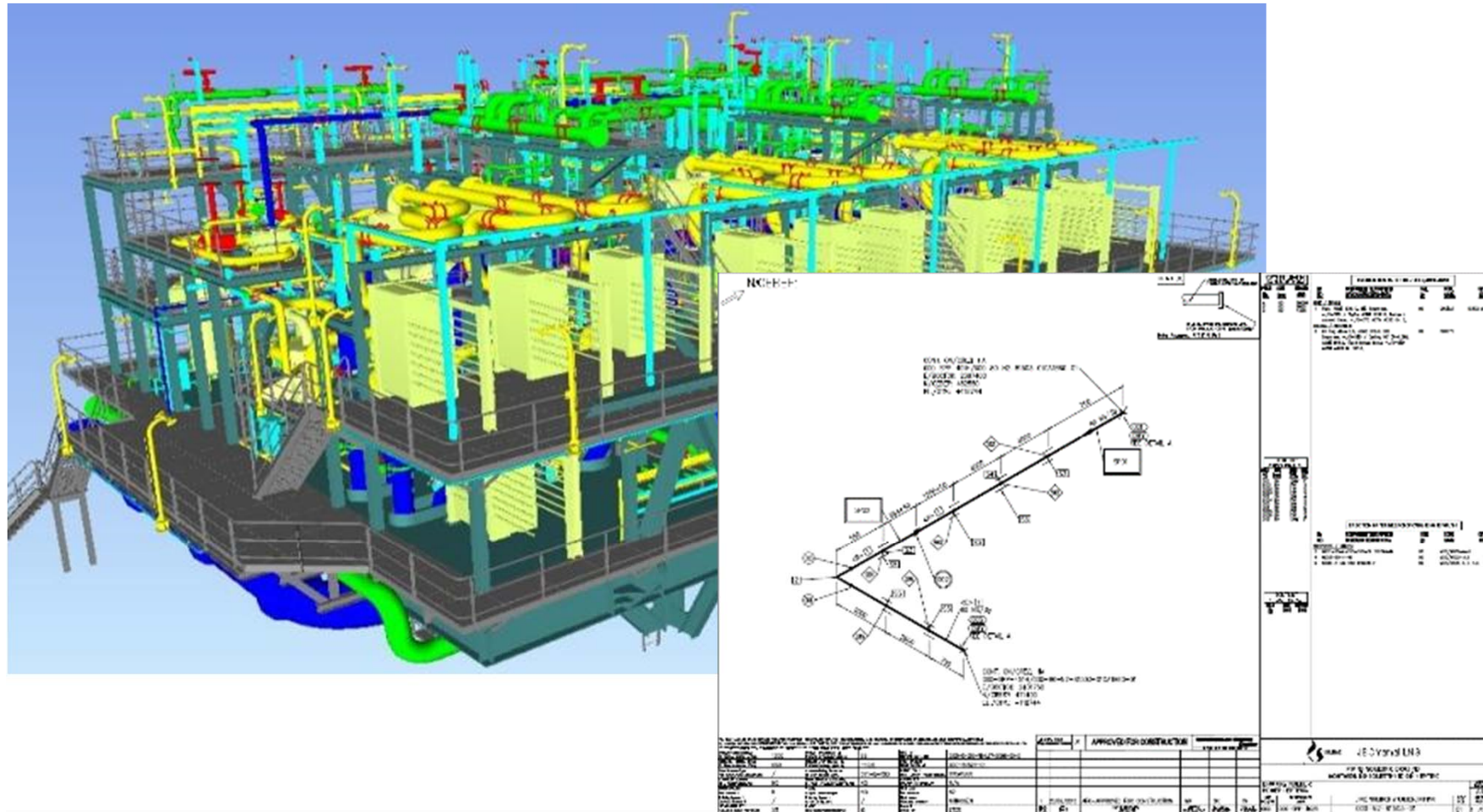


Add value for you

# Company Profile



## Equipment/Piping

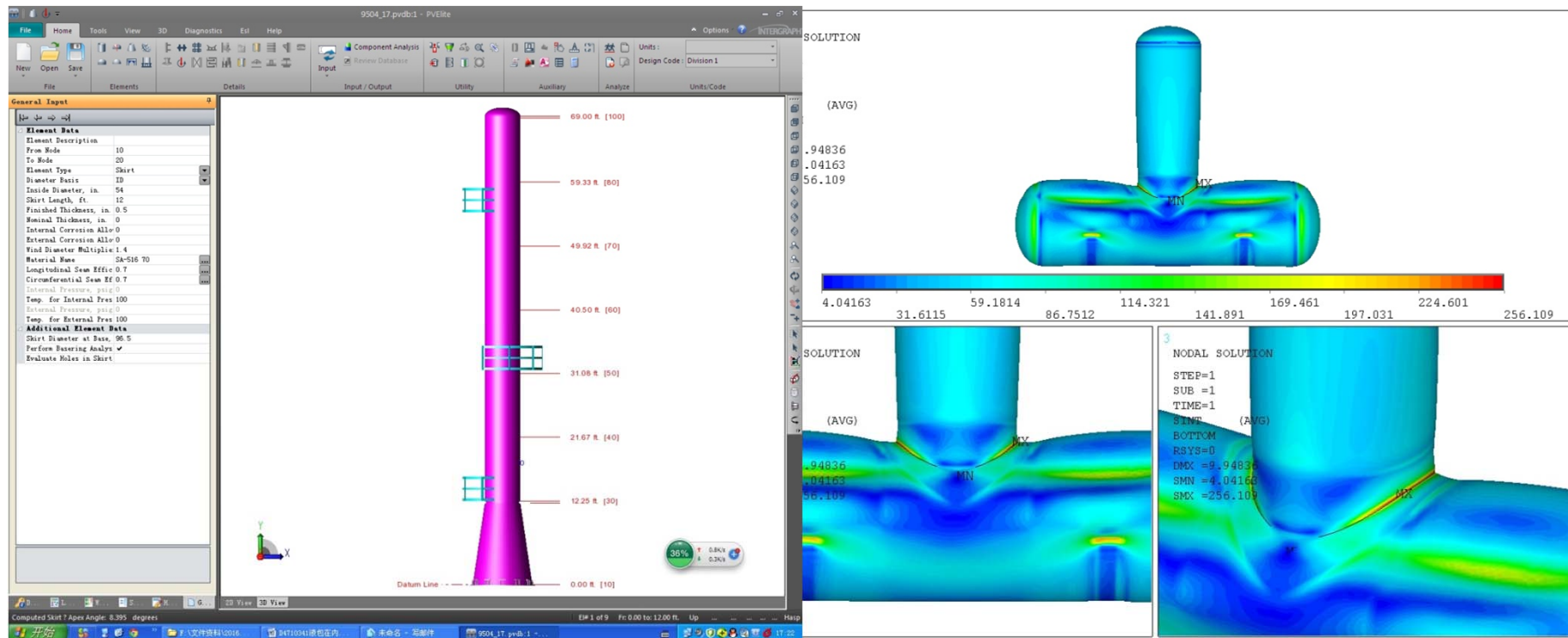


Add value for you

# Company Profile



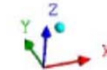
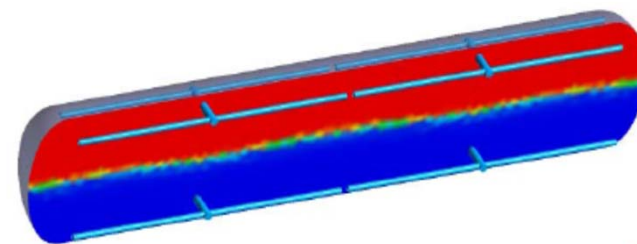
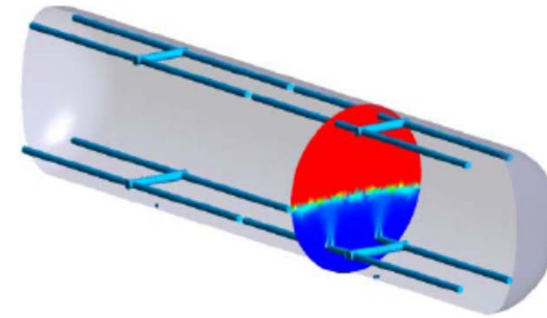
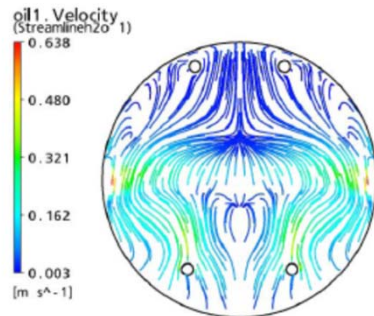
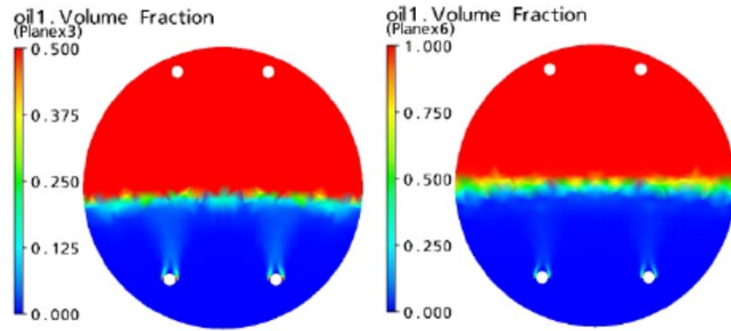
## Pressure Vessel Design



Add value for yo

# Company Profile

## CFD Simulation



Add value for you

# Company Profile



## Aspen Exchanger Design & Rating

File Edit Run Tools View Window Help

Shell/Tube Console

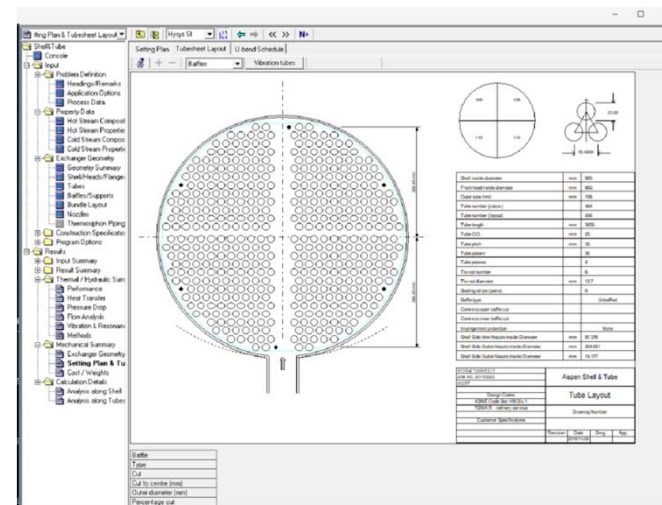
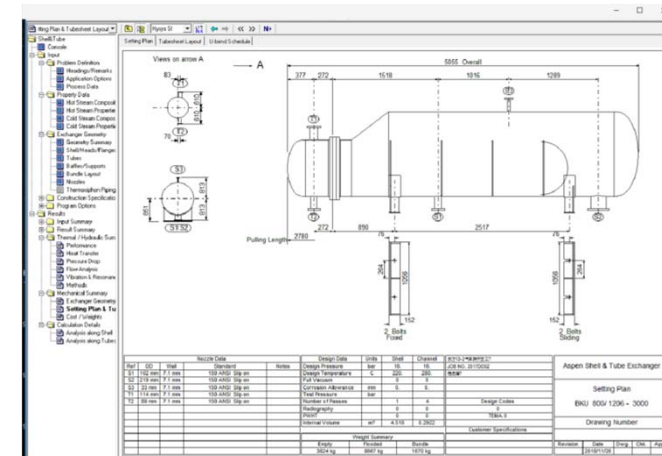
Input

- Problem Definition
  - Headings/Remarks
  - Application Options
  - Process Data
- Property Data
  - Hot Stream Compos
  - Hot Stream Propertie
  - Cold Stream Compos
  - Cold Stream Propertie
- Exchanger Geometry
  - Geometry Summary
  - Shell/Heads/Flar**
  - Tubes
  - Baffles/Supports
  - Bundle Layout
  - Nozzles
  - Thermosiphon Piping
- Construction Specificatio
- Program Options
- Results
  - Input Summary
  - Result Summary
  - Thermal / Hydraulic Sum
    - Performance
    - Heat Transfer
    - Pressure Drop
    - Flow Analysis
    - Vibration & Resonant
    - Methods
  - Mechanical Summary
    - Exchanger Geometry
    - Setting Plan & Tubes
    - Cost / Weights
  - Calculation Details
    - Analysis along Shell
    - Analysis along Tubes

Shell/Heads  Covers  Tubesheets  Flanges

Front head type: B - bonnet bolted or integral with tubesheet  
 Shell type: K - kettle  
 Rear head type: U - U-tube bundle  
 Exchanger position: Horizontal  
 Location of front head for vertical units: Set default  
 "E" shell flow direction (inlet nozzle location): Set default  
 Double pipe or hairpin unit shell pitch: mm  
 Tubeside inlet at front head: Yes  
 Flow within multi-tube hairpin (M-shell): Set default  
 Overall flow for multiple shells: Set default

	ID	OD	Thickness	series	paralle
Shell(s)	mm 800	812.7	6.35	1	1
Front head	mm 800		6.35		
Rear head	mm				
Kettle	mm 1200				



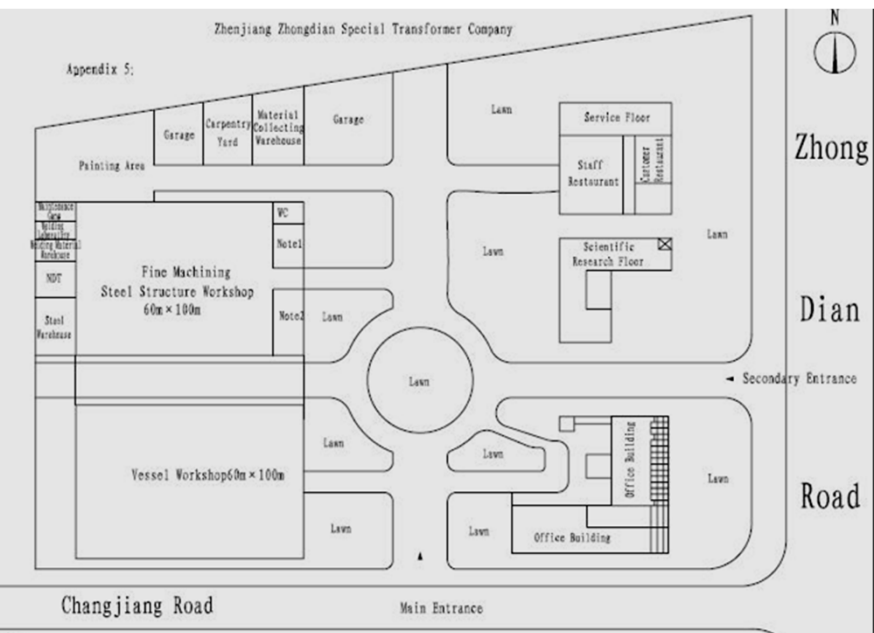
Add value for you



# Company Profile



## YARD 1



**Occupied area: 50,000 m<sup>2</sup>**  
**Crane: 20m High, 32 ton**

**Workshop: 15,000 m<sup>2</sup>**  
**Largest workshop: 60m x 150m**

Add value for you

# Company Profile



## YARD 2



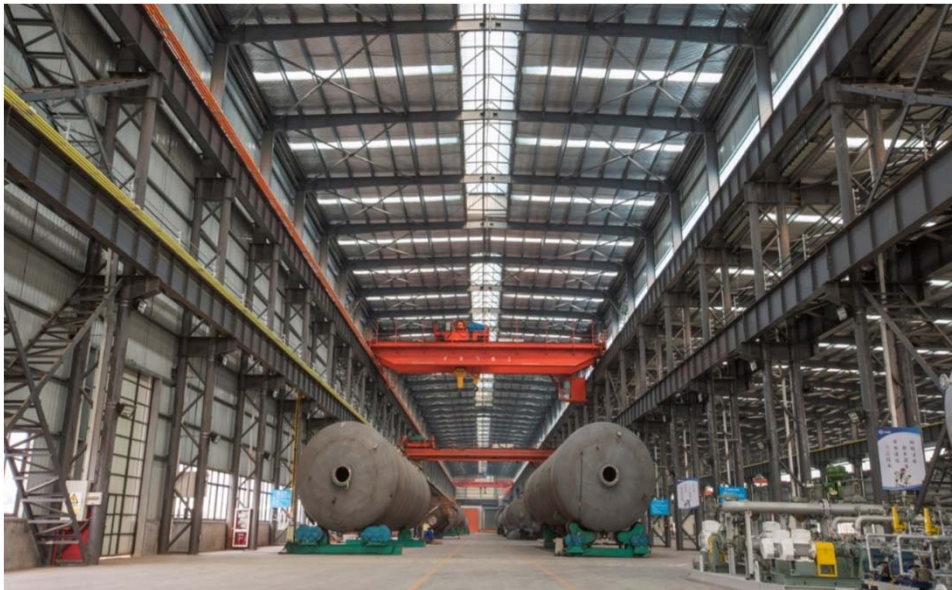
- ✓ Occupied area: 146,666m<sup>2</sup>
- ✓ Workshop: 109,276 m<sup>2</sup>
- ✓ Crane: 20m High, 2\*100 ton
- ✓ Largest workshop: 66m × 410m

Add value for yo

# Company Profile



## *Equipments & Facilities of Yard 2*



*The Largest Workshop:* **66m × 410m**

*Heat Treatment Furnace:* **8×8×35 m**



*Add value for you*

# Company Profile



## *Equipments & Facilities of Yard 2*



Flame Cutting Machine  
火焰切割机  
最大厚度：150mm



Plasma Cutting Machine  
等离子切割机  
最大厚度：25mm

Three Pinch Bending Roller  
三轴卷板机  
最大厚度：120mm



Automatic Welding Machine  
全自动焊机  
最大直径：5000mm



Add value for you

# Company Profile



## *Equipments & Facilities of Yard 2*

Blasting Shop  
(8\*8\*35 meter)



NDT Lab  
(7.2\*8\*38meter)



Painting Shop  
(8.5\*9.5\*35 meter)



Heat Treatment Furnace  
(8\*8\*35 meter)

*Add value for you*

# Company Profile

## *Equipments & Facilities of Yard 2*



**TOFD Detector**



**PMI**

# Company Profile



## *Site Resource*

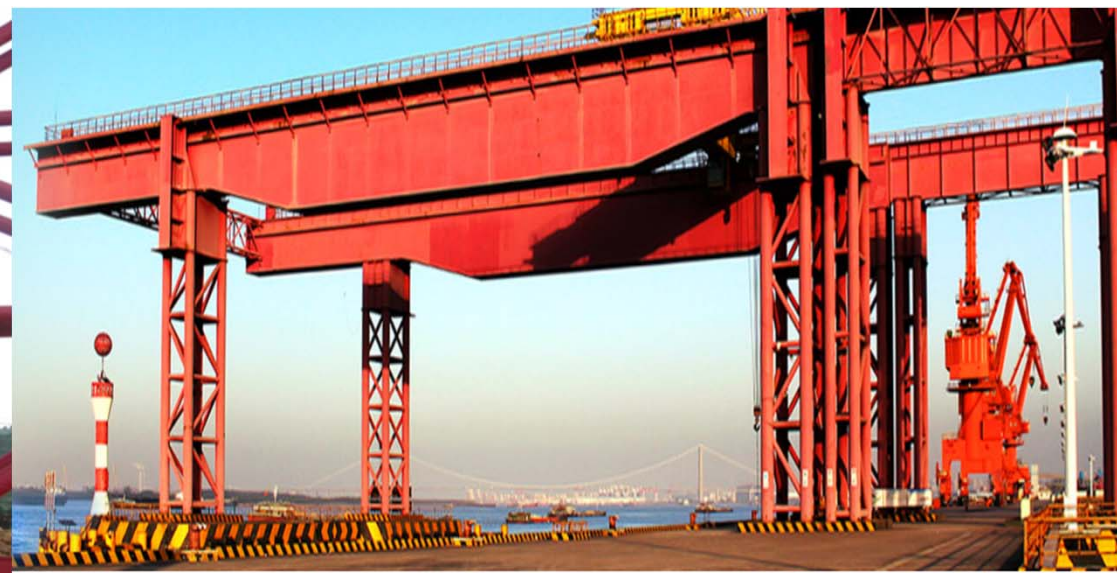
Site Resource	YARD 1	YARD 2	TOTALLY
AREA	60000 m <sup>2</sup>	150000 m <sup>2</sup>	210000 m <sup>2</sup>
Total Production Area	14000m <sup>2</sup>	27000m <sup>2</sup>	41000 m <sup>2</sup>
Storage Area	2000 m <sup>2</sup>	3000 m <sup>2</sup>	4000 m <sup>2</sup>
Production Area for CS	10000m <sup>2</sup>	20000m <sup>2</sup>	30000 m <sup>2</sup>
Production Area for SS	600m <sup>2</sup>	2000m <sup>2</sup>	2600 m <sup>2</sup>
Assemble Area of electric Appliance	400m <sup>2</sup>	500m <sup>2</sup>	900 m <sup>2</sup>
Blasting Shop	200 m <sup>2</sup>	400 m <sup>2</sup>	600 m <sup>2</sup>
Painting Shop	500 m <sup>2</sup>	1000 m <sup>2</sup>	1500 m <sup>2</sup>
RT Room	120 m <sup>2</sup>	260 m <sup>2</sup>	360 m <sup>2</sup>
Heat Treatment Furnace	/	8×8×35 m <sup>3</sup>	8×8×35 m <sup>3</sup>

*Add value for yo*

# Company Profile



## *Partner' s Yard* 合作商场地



- ✓ Shipyard Area: 700m(L)\*25m(W)
- ✓ Crane: 28m Height, 2\*850 Ton

*Add value for you*



# Company Profile



## *Special Laboratories*

The Technology R&D Center has established and trained a research and development team consisting of doctors, masters and bachelors, totally 12 employees.

**技术研发中心已经组建并培养了一支包括博士研究生2名，硕士研究生3名，学士7名的研发团队。**



*Electrical Desalter/Dehydrator Lab*

电脱实验室

*Oil Sewage Treatment Lab*

原油废水处理实验室

*Special Chemical Research Lab*

特殊药剂开发实验室

*Electrical Field Lab*

电场实验室

Add value for you

# Products



## *Main Products of SANTACC*

### *主力产品*

Crude oil preprocessing module-原油处理模块

Separator (two phase, three phase, free water, gas scrubber, etc.)-分离器 (两相、三相、游离水、气体洗涤器等)

Electric dehydrator (AC, AC, DC, intelligent response, high speed, high frequency, etc.)-电脱装置 (交流、交直流智能响应、高速、高频等)

Pressure vessel (national standard, American standard, horizontal, vertical)-压力容器 (国标、美标、卧式、立式)

Pig Launcher & Receiver-清管球发射器&接收器

Heat exchanger (tube-shell type, tube-plate type, etc.)-换热器 (管壳式、管板式等)

Skid & Module-撬装及工艺模块

Metering & pipe prover Skid (crude oil, refined oil, LNG etc.)-计量撬 (原油、成品油、天然气等)

LNG Fuel Gas Supply System-LNG供气系统

Add value for you

# Desalter & Dehydrator

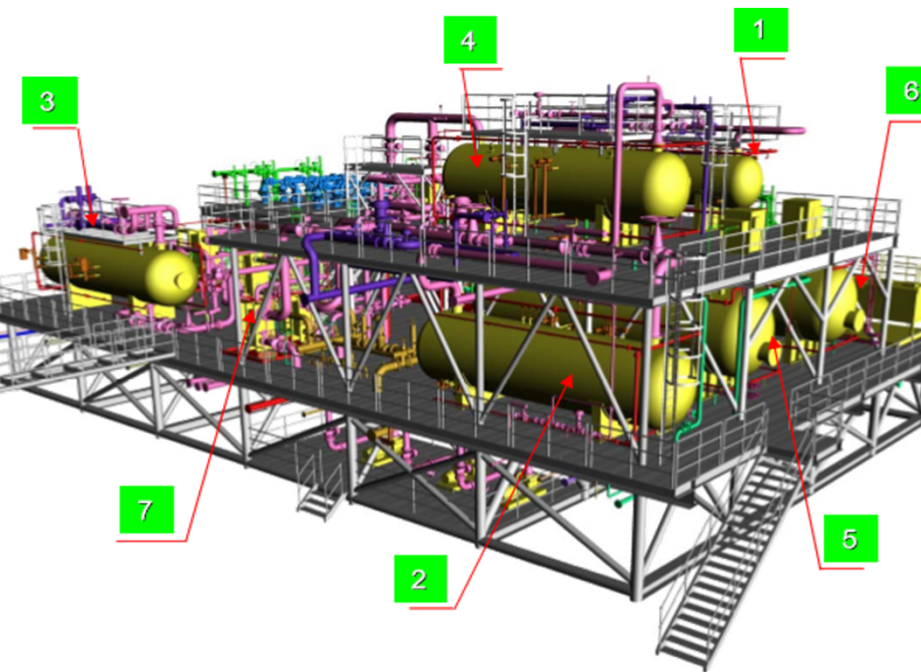
- *SANTACC is the earliest and largest electric desalter and dehydrator manufacturer in China.*
- **长江能科中国最早、规模最大的电动脱盐脱水设备制造商**
- *The domestic market share of electric desalination and dehydration equipment is over 90%,.*
- **国内电脱盐脱水设备市场占有率达90%以上**
- *The electric desalination equipment of 10 million tons refinery has a 100% occupancy rate.*
- **千万吨级炼厂电脱设备占有率100%。**

”



*Add value for you*

# Modularized Oil Processing System



(1) *Test separator* 测试分离器

(2) *Stabilization Separator* 生产分离器

(3) *1st production separator* 一级分离器

(4) *2nd production separator* 二级分离器

(5) *Electrostatic dehydrator* 电脱水

(6) *Electrostatic desalter* 电脱盐

(7) *HE heat-exchanger* 换热器

# Oil Preprocessing Module



*CNOOC SZ36-1 Crude Oil Dehydration Module*  
*CNOOC SZ36-1 开发调整项目原油脱水模块*



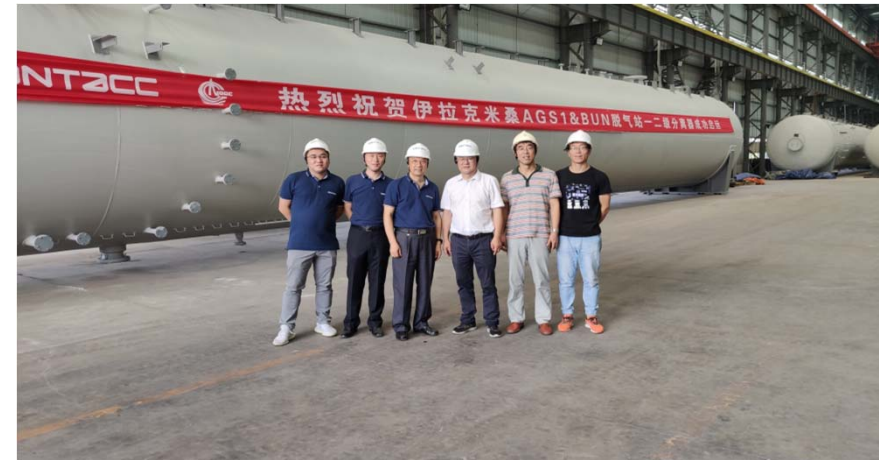
*Crude Oil Preprocess Module for Chad Project*  
*乍得项目原油预处理模块*



*Add value for you*

# Oil & Gas and Water Separator

## Iraq Missan Degas Project



Site: Missan Degassing Station (FQS,AGS1, BUS1, BUS3, BUN)  
Customer: CNOCE ENPAL Co., LTd.  
End-user: Missan Oil Company, Iraq  
Delivery: Aug.2019  
Size(LxWxH):33000\*4400\*4700 , SA516-70N +8825(2 piece),  
SA516-70N (2 piece)  
Weight: 146.3 Tons/each

# Separator Skid

*Production Separator of Algeria Touat Project*  
阿尔及利亚 Touat 油田生产分离器撬块

*Sudan Keyi project*  
苏丹Keyi项目生产分离器撬块



# Desalter & Dehydrator

*CNOOC and Kerr-McGee CFD11-1&11-2 Project  
Dehydrator*



*Iraq CPF Hafaya oilfield Dehydrator and Desalter*



*Add value for yo*



# Desalter & Dehydrator

*Dehydrator for Sudan Block 37 Project*



*CNPC International Ltd Desalter & Dehydrator*



Capacity:41,250 BOPD

Density of Crude

Oil:0.96g/cm<sup>3</sup>

Operation Tem.:105°C

Inlet BS&W:30%

Outle BS&W less than 0.1%

*Add value for yo*

# LNG Fuel Gas Supply System-船用供气系统



Equipment: Water Glycol Skid, Vaporizer Skid, Metering skid, BOG Mist Separator & Heater skid  
Site: FGSS for 14000TEU-Yangzijiang Shipyard  
Customer: C-LNG  
End-user : Yangzijiang Shipyard  
Delivery: Aug..2021~ Nov.2021  
Size(LxWxH): 4700\*2900\*3100, 7400\*3700\*3800, 5720\*220\*220, 4600\*2600\*3300  
Weight: 8.3Tons; 11.8Tons, 17Tons, 4.2Tons, 4.1 Tons

*Add value for you*

# Vaporizer skid & Water Glycol Skid - 气化及乙二醇系统

**SANTACC**  
ENERGY



Equipment: Vaporizer skid, Water Glycol skid  
Site: FGSS For ALOHA Class Container Ship LNG Retrofit  
Customer: C-LNG  
End-user: Matson Navigation Company Inc  
Delivery: March.2023  
Size(LxWxH): 5000x2720x3360, 5000x4500x3000  
Weight: 8.3Tons; 13 Tons

*Add value for you*

# Vaporizer skid & Water Glycol Skid 气化及乙二醇系统

**SANTACC**  
ENERGY

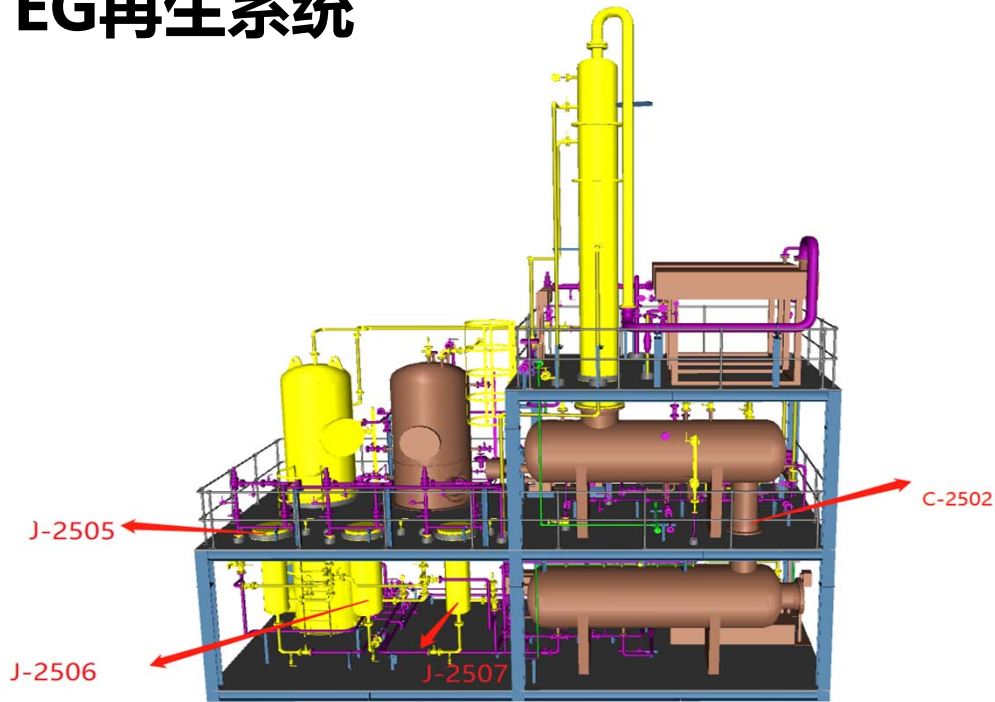


Site: FGSS SKID OF 7000CEU PCTC  
Customer: C-LNG, Yantai Raffles Co., Ltd.  
End-user: Zodiac Maritime  
Delivery: Feb.2023  
Size(LxWxH): 6400\*4200\*2900  
Weight:12.65 Tons

*Add value for you*

# Skid & Module- TEG Regeneration Package

## TEG再生系统



Equipment: TEG Regeneration skid

Site: Indonesia MOPU project

Customer: PT Duta Marine and PT Pakarti Tirtoagung

End-user: HCML

Delivery: CIF Batam port, Indonesia . Oct.2022

Size(LxWxH): Bottom layer ,10000\*4000\*2800, 16t

Middle ,10000\*4000\*4200,15T

Upper layer: 5100\*4000\*4000, weight: 6T

# Skid & Module- TEG Dehydration Skid

## TEG脱水系统



Equipment: TEG dehydration skid

Site: Indonesia

Customer: PT Duta Marine and PT Pakarti Tirtoagung

End-user: HCML

Delivery: CIF Batam port, Indonesia . Oct.2022

Size(LxWxH): Bottom layer: dimension: 12000x4600x4500, weight:

Upper layer: dimension: 8600x4600x3800, weight: 20000kg.

*Add value for you*

# Skid & Module- TEG Adsorption Skid TEG吸附系统

**SANTACC**  
ENERGY

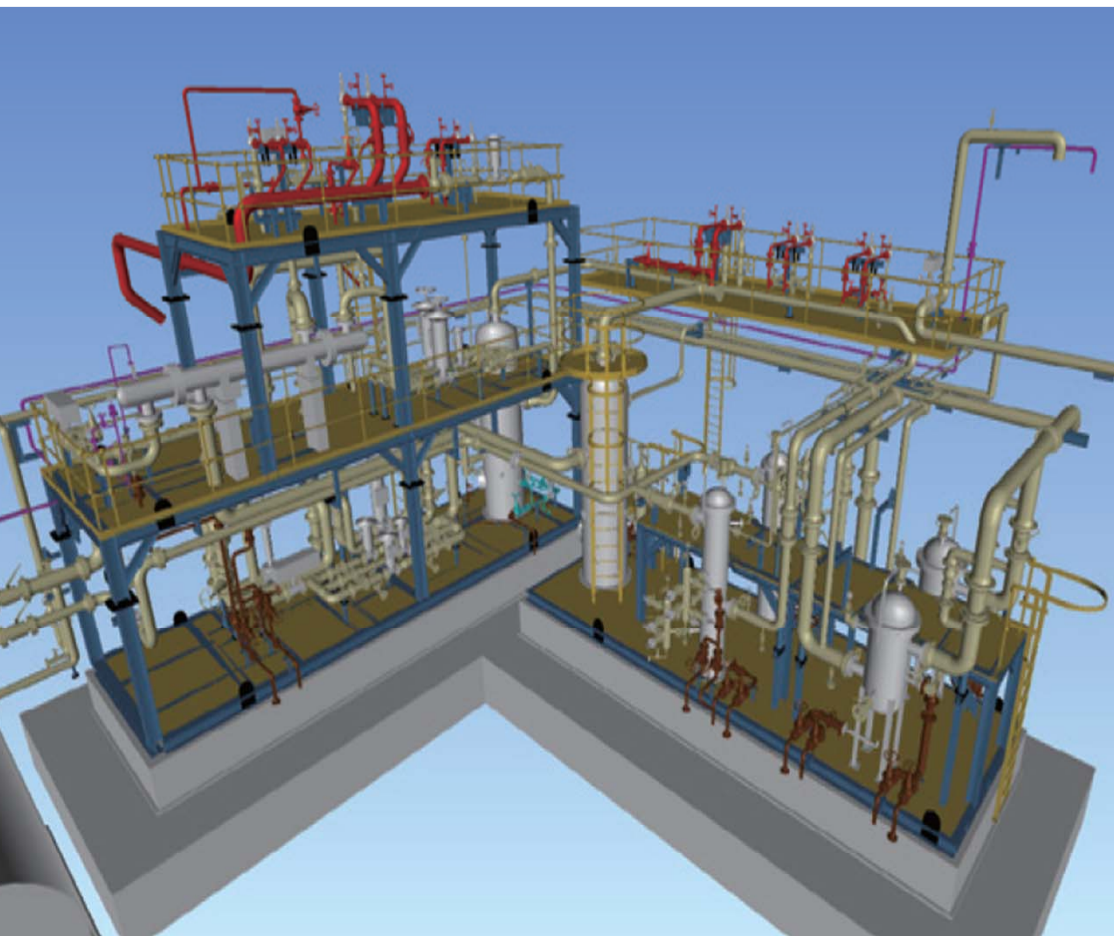


Equipment: TEG absorption skid  
Site: Indonesia  
Customer: PT Duta Marine and PT Pakarti Tirtoagung  
End-user: HCML  
Delivery: CIF Batam port, Indonesia . Oct.2022  
Size(LxWxH): 15450X5640X4964  
Weight: 32 Tons

*Add value for you*

# Skid & Module- TEG Adsorption Skid TEG吸附系统

**SANTACC**  
ENERGY



*Add value for you*



# Pressure Vessel

- ▶ Pig Launcher and Receiver  
收发球筒
- ▶ Heat Exchanger  
换热器
- ▶ Opening and closing tank  
开闭排罐
- ▶ Buried tank  
埋地罐
- ▶ Storage tank  
储罐
- ▶ Other  
其他

- The maximum capacity of the coiling plate is 120mm
- 卷板能力最大厚度120mm
- The width of the reel section is 3000mm.
- 卷板筒节宽度3000mm
- Design pressure vessels up to 20MPa
- 压力最高可达20Mpa的压力容器
- An annual production capacity of 10000 tons/year
- 年生产能力10000吨

# Pressure Vessel Material



## Type of Material

No.	Material Type	Brand and Grade
1	Structure steel	All brands and all grades
2	Carbon Steel	All brands and all grades
3	Low Alloy Carbon Steel	All brands and all grades
4	Stainless Steel	Austenite, Ferrite, Duplxs stainless steel
5	Alloy Stainless Steel	INCOLOY, INCONEL, Monel
6	Titanium	All brands and all grades
7	Cladding Material	Carbon Steel+Stainless Steel, Carbon Steel+Alloy Stainless Steel, Carbon Steel+Titanium, Stainless Steel+Titanium Etc.

## Welding Methods

No.	Welding Process
1	Shield Metal Arc Welding ( SMAW )
2	Submerged Arc Welding ( SAW )
3	Argon Arc Welding ( GTAW )
4	Gas shield Arc Welding ( GSAW )

Add value for yo

# Pressure Vessel



仪表气罐(A22116)  
CPF-171-V-08A Instrument Air Receiver



仪表气罐(A22117)  
CPF-171-V-08B Instrument Air Receiver



CPF-171-V-19B 低压氮气罐 (A22121)  
LP Nitrogen Receiver

Add value for you

# Pressure Vessel

**SANTACC**  
ENERGY



*Add value for you*

# Pressure Vessel



# Pressure Vessel



*Pressure Vessel for Zhejiang Petrochemical Project 浙江石化项目压力容器*

*Diameter直径: 5800mm*

*Length长度: 36000mm*

*Add value for you*

# Pig Launcher & Receiver

*Pig Launcher and Receiver for CNOOC HY Project*

**CNOOC HY项目收发球筒**



# Pig Launcher & Receiver



*Pig Launcher and Receiver for King Fisher Oil field of Uganda*



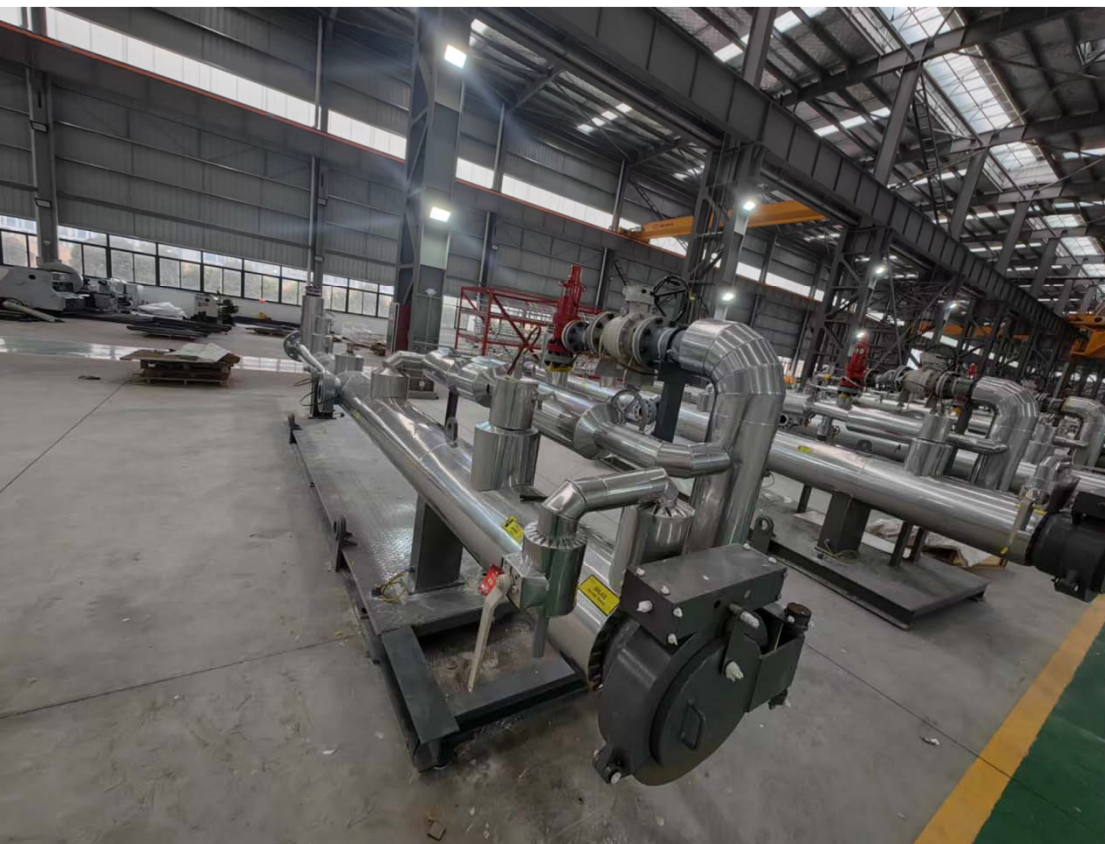
*Add value for you*



# Pig Launcher & Receiver



*Pig Launcher and Receiver for King Fisher Oil field of Uganda*



*Add value for you*

# Metering and prover Skid

## *Metering & Prover Skid* 测试计量模块



*Metering System: Accuracy  $\pm 0.2\%$  FSD Linearity  $\pm 0.15\%$  Repeatability  $\pm 0.02\%$*   
*Prover: Accuracy  $\pm 0.02\%$*

*Add value for you*

# Main Customers



Add value for you

**THANKS**



*Add value for yo*