Cangzhou Longtaidi Pipe Technology Co., Ltd

Welcome to visit

The world of COMPLETE SOLUTION FOR steel fittings, bends, cladded piping & Pre-fabrication
1 Longtaidi Introduction
Cangzhou Longtaidi Pipe Technology Co., Ltd (Longtaidi) is a global supplier of pipes and pipe fittings for a wide variety of markets and applications. We have decades of manufacturing experience and provide products of the highest quality to customers around the globe. Longtaidi pride ourselves in our commitment to quality and integrity both in our products and our attitude towards the customer, supplier and all stakeholders in the group.

Our main manufacturing center is based in Hebei province in China where we produce all of our fittings and clad products including weld overlay, mechanically lined pipe and metallurgically bonded pipe and fittings.

Our vision is to continue to improve on our existing technology and continue our commitments to achieve the highest quality possible in every area of our business by exceeding customer requirements, ensuring that our after sales service remains at the highest standard. Longtaidi not only remains focused operational efficiency but also we are highly focused on the supply chain as this is an integral part of our production process which ensures a timely and cost effective delivery to our customers.
2 Products
Products

Production Capacity

- Clad & Lined Pipe
  - 20,000 tonnage / year

- Induction bend
  - 20,000 tonnage / year

- Pipe fittings
  - 27,000 tonnage / year
# Products

## CANGZHOU LONGTAIDI PIPE TECHNOLOGY CO., LTD

### PRODUCT LIST

<table>
<thead>
<tr>
<th>Item</th>
<th>Product</th>
<th>Size</th>
<th>Thickness</th>
<th>Material</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FITTINGS</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>1.1</td>
<td>Long Radius Elbows</td>
<td>1/2&quot;-24&quot;</td>
<td>0.25&quot; - 6&quot; (6mm - 150mm)</td>
<td>Carbon Steel, Alloy Steel, Stainless Steel, Nickel Alloy Etc</td>
<td>ASME B16.9/ MSS SP 75/ ASME B16.11</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16&quot;-120&quot;</td>
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<td></td>
<td>ASME B16.9/ MSS SP 75/ ASME B16.11</td>
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<tr>
<td>1.2</td>
<td>Short Radius Elbows</td>
<td>1/2&quot;-24&quot;</td>
<td>0.25&quot; - 6&quot; (6mm - 150mm)</td>
<td>Carbon Steel, Alloy Steel, Stainless Steel, Nickel Alloy Etc</td>
<td>ASME B16.9/ MSS SP 75/ ASME B16.11</td>
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<td></td>
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<td>16&quot;-72&quot;</td>
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<td>ASME B16.9/ MSS SP 75/ ASME B16.11</td>
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<td>1.3</td>
<td>Reducers</td>
<td>3/4&quot;-120&quot;</td>
<td>0.25&quot; - 6&quot; (6mm - 150mm)</td>
<td>Carbon Steel, Alloy Steel, Stainless Steel, Nickel Alloy Etc</td>
<td>ASME B16.9/ MSS SP 75/ ASME B16.11</td>
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<td>1.4</td>
<td>Trees</td>
<td>1/2&quot;-8&quot;</td>
<td>0.25&quot; - 6&quot; (6mm - 150mm)</td>
<td>Carbon Steel, Alloy Steel, Stainless Steel, Nickel Alloy Etc</td>
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<td>1.5</td>
<td>Olet/ Union / Nipple</td>
<td>1/2&quot;-4&quot;</td>
<td>SCH40 - SCH XXX</td>
<td>Carbon Steel, Alloy Steel, Stainless Steel, Nickel Alloy Etc</td>
<td>MSS SP 97/ MSS SP 83 / MSS SP 95</td>
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<td>1.6</td>
<td>Hot Induction Bend</td>
<td>2&quot;-60&quot;</td>
<td>0.25&quot; - 3&quot; (6mm - 75mm)</td>
<td>Carbon Steel, Alloy Steel, Stainless Steel, Nickel Alloy Etc</td>
<td>ASME B16.49/ ISO 15590</td>
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<td>1.7</td>
<td>Flange</td>
<td>1/2&quot;-32&quot;</td>
<td>Class 150-Class 2500</td>
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<td>ASME B16.5/ ASME B16.47/ ASME B16.48/MSS SP 44</td>
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<td>2</td>
<td>CLAD PIPE</td>
<td></td>
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</tr>
<tr>
<td>2.1</td>
<td>Mechanical Lined Pipe</td>
<td>1/2&quot;-28&quot;</td>
<td>3mm (0.12&quot;) to 45mm (1.7&quot;)</td>
<td>1. Backing Typically API 5L, ASTM A671/672, ASTM A387, or as per customer requirements</td>
<td>API/ULD/ MSSC Standard</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2. Lined Material Stainless Steel 304, 316L, 317L, 321, 347, 2205, 904L,</td>
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<td></td>
<td></td>
<td></td>
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<td>Nickel Alloys: 200, 400, 600, 625, 825, C276, C22, 666CCTP, Alloy59</td>
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<td>up to 12.5 meters, or as per customer requirements</td>
<td></td>
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<tr>
<td>2.2</td>
<td>Weld everyday Pipe</td>
<td>4&quot;-60&quot;</td>
<td>as per customer requirements</td>
<td>1. Backing Typically API 5L, ASTM A671/672, ASTM A387, or as per customer requirements</td>
<td>API/ULD/ MSSC Standard</td>
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<td>2. Lined Material Stainless Steel 304, 316L, 317L, 321, 347, 2205, 904L,</td>
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<td></td>
<td></td>
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<td>Nickel Alloys: 200, 400, 600, 625, 825, C276, C22, 666CCTP, Alloy59</td>
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<td>3</td>
<td>PREFABRICATION</td>
<td></td>
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<tr>
<td>3.1</td>
<td>Pre Fabrication set</td>
<td>4&quot;-24&quot;</td>
<td>0.25&quot; - 6&quot; (6mm - 150mm)</td>
<td>Carbon Steel, Alloy Steel, Stainless Steel, Nickel Alloy Etc</td>
<td>ASME B31.1/ASME B31.8</td>
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</tbody>
</table>
Clad & Lined Pipes
Clad fittings
Stainless & Copper-Nickel Alloy Steel Fittings
Products

- Corrosion resistant (NACE) (for high sulfur natural gas transportation)

ASME / ASTM Materials:
- A860 WPHY 42(NACE), 52(NACE), 60(NACE), 65 (NACE), 70 (NACE);
- A234WPB(NACE); A420WPL6(NACE) etc.
Large Diameter Fittings
2 Products

• Bend
Spooling and Pre-Fabrication

Reduce time on site by pre-fabrication of clad or non-clad pipe spools, fully tested ready for installation.
3 Facilities and Equipment
Facilities and Equipment

- **Vertical Cladding Machine**

**Dia**
3” to 60”

**Backer Material**
All Grades

**Clad Material**
Typically 316, 825 and 625

**Welding Wire**
Consumption
600kg per day
Facilities and Equipment

Weld Overlay Machine

Dia
6” to 48”

Backer Material
All Grades

Clad Material
Typically 316, 825 and 625

Welding Wire Consumption
1Ton per day
Facilities and Equipment

Weld Overlay Machine
Facilities and Equipment

- Ends Weld Overlay Machine
Facilities and Equipment

Bending Machine  DN1500  3D-20D
Facilities and Equipment

Bending Machine DN1000
Facilities and Equipment

15M Heating Furnace
Facilities and Equipment

4M Heating Furnaces
Facilities and Equipment

12.5m Plate Bender
Facilities and Equipment

- 12.5m Automated Welding Machine
Facilities and Equipment

Pipe Linking Machine
4 Certification
Certifications

This is to certify the Quality Management System (QMS) of
CANGZHOU LONGTAIDI PIPE TECHNOLOGY CO., LTD.
(Registered Production Add.: No.23, DUANJIE EAST ROAD, ECONEOMIC DEVELOPMENT ZONE, CANGZHOU CITY, HEBEI PROVINCE, 360000, P.R.CHINA. Uniform Code of Social Credit: 91130903MA0825950T)

This certificate covers the following scope of occupational health and safety management system:

- MANUFACTURE AND SERVICE OF LIANKED PIECE CLAD PIPE, STEEL PIPE, FITTINGS, WELD PIPE FITTINGS, STEEL, BENDS, FORGED PIPE FITTING, FLANGE, AND PRE-FABRICATED DIRECTLY BURIED INSULATION PIPE (DOES NOT INCLUDE PRODGETS WITHOUT THE ADMINISTRATIVE LICENSING; COATING OF STEEL PIPES PIPE & FITTINGS).

This certificate is valid until 22 December 2022.

Issued on: 11 December 2019.
General Manager: Huang Shiyuan

CNAS: CNAS-145-M

According to the requirements of the quality management system, Certification bodies will conduct continuous monitoring every year. After approval, the validity of the certificate will be extended to Dec. 27, 2023.

Authorized: 王国松
Certifications

Certificate of Registration

The American Petroleum Institute certifies that the quality management system of CANGZHOU LONGTAIDI PIPE TECHNOLOGY CO., LTD. has been assessed by the American Petroleum Institute and found to be in conformance with the following:

API Specification Q1

The scope of this registration and the approved quality management system applies to the manufacture of:

- Clad Steel Pipe
- Lined Steel Pipe
- Steel Pipe Flanges and Welded, Forged and Seamless Steel Pipe Fittings
- Induction Pipe Bend and Clad Pipe Fittings

API approves the organization’s justification for excluding:

- Design and Development: Service

Effective Date: APRIL 30, 2020
Expiration Date: APRIL 30, 2023
Registered Since: APRIL 30, 2014

Vice President of Global Industry Services

Certificate of Authority to use the Official API Monogram

License Number: SLD-0050

The American Petroleum Institute hereby grants to CANGZHOU LONGTAIDI PIPE TECHNOLOGY CO., LTD. the right to use the Official API Monogram on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1 and API-SLD and in accordance with the provisions of the License Agreement.

Effective Date: APRIL 30, 2020
Expiration Date: APRIL 30, 2023

To verify the authenticity of this license, go to www.api.org/compliance.
Material Manufacturer Certificate
No. EC.1282, IN.150216.CMP074

Certificate's Holder:
Cangzhou Longtaidi Pipe Technology Co., Ltd.
No. 33, Huanghe East Road, Economic Development Zone, Cangzhou City, Hebei Province, People's Republic of China

Certification Safety Mark:
Pipe Fittings, Range and Steel pipe

Verification to:
Standard: Has implemented, operates and maintains a Quality Assurance System
Related to: 97/23EC (Pressure Equipment)

ABS TECHNICAL OFFICE
On Shanghie 3rd

CERTIFICATE OF DESIGN ASSESSMENT
This is to certify that a representative of this Bureau, duly appointed, has carried out in the plant of:
CANGZHOU LONGTAIDI PIPE TECHNOLOGY CO., LTD.

CANGZHOU LONGTAIDI PIPE TECHNOLOGY CO., LTD.

Product(s):
Pipe Fittings
Model(s):
9° & 45° Long Radius Elbows, Long Radius Return, Short Radius Elbows, Short Radius 180° Return, 45° & 90° Elbows, Straight Tees, Reducing Outlet Tees, Reducing Outlet Tees

ABS TECHNICAL OFFICE
On Shanghie 3rd

ASME Section I-8, Section II-2004 Certification 2010.

Manufacturer: Cangzhou Longtaidi Pipe Technology Co., Ltd.
Address: No.33, Huanghe East Road, Economic Development Zone, Cangzhou City, Hebei Province, People's Republic of China

Type: Pipe Fittings

Trade Name: Longtaidi

Applicability: For use in marine and offshore application

Condition: The products intended to be installed onboard ships classified by Lloyd's Register (LR), in the following circumstances:

1. Pipe fittings material type and welds selection is to be in accordance with the manufacturer's instructions and is to the attending Surveyor's satisfaction.
2. Material and pipe fittings and gasket for piping systems are to be produced in accordance with LR approved for LR and are approved to be tested in accordance with the Rules for NAB Vessels Part 2, Chapter 10, Section 4.1 of Rules of LR.

ASME Section I-8, Section II-2004 Certification 2010.
Certifications

RECOGNITION FOR BV MODE II SCHEME

Cangzhou Longtai Pipe Technology Co., Ltd.

Certificate number: SGS/3431465A

SCOPE:

Fabrication and assembly of pressure vessels and pipes, and vessels and pipes for use in the petroleum, natural gas, and chemical industries.

AUTHORIZED:

June 7, 2016

CERTIFICATE NUMBER:

43,933

The American Society of Mechanical Engineers (ASME) is authorized to issue the above certificate in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the scope of the certificate are subject to the provisions of the ASME Boiler and Pressure Vessel Code.

CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) to the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the scope of the certificate are subject to the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

Cangzhou Longtai Pipe Technology Co., Ltd.

No. 30 Huanghe East Road, Economic Development Zone, Cangzhou City, Hebei Province, People’s Republic of China

SCOPE:

Certification of pressure vessels and pipes for the above location only.

AUTHORIZED:

June 7, 2016

CERTIFICATE NUMBER:

43,933

The American Society of Mechanical Engineers (ASME) is authorized to issue the above certificate in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the scope of the certificate are subject to the provisions of the ASME Boiler and Pressure Vessel Code.

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The American Society of Mechanical Engineers (ASME) is authorized to issue the above certificate in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the scope of the certificate are subject to the provisions of the ASME Boiler and Pressure Vessel Code.
Система сертификации ГОСТ Р
Федеральное агентство по техническому регулированию и метрологии
Сертификат соответствия
№ РОСС СН.А059.Е20646
Срок действия с 04.12.2011 по 03.12.2018
№ 159Б5000
ОГРН 1097774079865
Адрес: РФ, 109029, Москва, Москва,
ул. Гончарная, д. 38, стр. 1, оф. 806
Телефон: (495) 777-58-75
Факс: (495) 626-35-64
E-mail: info@certificer.com
Сайт: certificer.com

ПРОДУКЦИЯ
Соответствуют требованиям нормативных документов ГОСТ 8688-78, ГОСТ 17280-2001, ГОСТ 12820-88, ГОСТ 17408-80,
ГОСТ 20657-80.

СМЕСИ ПРОИЗВОДСТВЕННЫХ РАСТИТЕЛЬНЫХ СЫПУШИХ
Смеси, используемые в производстве, должны соответствовать следующим требованиям:

1. Смеси должны быть готовы к применению и не требовать дополнительной обработки.
4. Смесь должна быть упакована в соответствии с требованиями ГОСТ 12820-88.
5. Смесь должна быть упакована в соответствии с требованиями ГОСТ 17408-80.
6. Смесь должна быть упакована в соответствии с требованиями ГОСТ 20657-80.

Дополнительная информация
Схема сертификации: 3.

Удостоверяющий орган
А.Л. Луценко
Сертификация не применяется при обязательной сертификации.
<table>
<thead>
<tr>
<th>No.</th>
<th>Section</th>
<th>Subsection</th>
<th>Certificate No.</th>
<th>Start Date</th>
<th>End Date</th>
<th>Manufacturer</th>
<th>Manufacturer Status</th>
<th>Supplier No.</th>
<th>Supplier Name</th>
<th>Supplier Fax</th>
<th>PO Box</th>
<th>Supplier City</th>
<th>Supplier Status</th>
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<tr>
<td>1</td>
<td>A</td>
<td></td>
<td>0110999999999999</td>
<td>01/07/2023</td>
<td>31/08/2023</td>
<td>CHN271</td>
<td>48721</td>
<td>85074</td>
<td>SHAHRI FALCON INDUSTRIAL AND ENGINEERING SUPPLY</td>
<td>636275</td>
<td>70090</td>
<td>ABU DHABI</td>
<td>PRE-QUALIFIED</td>
</tr>
</tbody>
</table>
Dear Sirs,

We are pleased to inform you that you have been approved for inclusion in KOC's Approved List of Manufacturers for the product category and manufacturing facility mentioned herebelow:

**PRODUCT CATEGORY:** Pipe Fittings - Induction Bend Only

**FACILITY ADDRESS:** Atyaah Industrial Zone, Al Khobar, Saudi Arabia

This notification of approval is issued subject to the following, failing which leads to cancellation at any time at the discretion of KOC:

- To obtain a valid quality system certification and to obtain its copy for KOC's records.
- To submit a detailed quality system certification in English.
- To update its quality system certification with KOC when required.
- To inform KOC about any changes to the above points.
- To provide a letter of commitment indicating that it will adhere to all the above points.
- To furnish Audited Financial Details and Letters of Credit when required.
- To update its quality system certification with KOC when required.
- To update its quality system certification with KOC when required.
- To submit a request for re-certification if required 3 months prior to the above expiry date.
- To issue a letter of commitment indicating that it will adhere to all the above points.

Sincerely,

For Kuwait Oil Company

Mansour Jaddah

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TO: KOC Oilfield Services Department, Kuwait

FROM: Atyaah Industrial Services, Al Khobar, Saudi Arabia

DATE: 15th March 2020

Page No.: 1

Subject: Notification of Vendor Approval

Our Ref: VEC-711218027/PP/01

Dear Sirs,

We are pleased to inform you that you have been approved for inclusion in KOC's Approved List of Manufacturers for the product category and manufacturing facility mentioned herebelow:

**PRODUCT CATEGORY:** Pipe Fittings (Carbon / Alloy Steel / Stainless Steel)

**FACILITY ADDRESS:** Atyaah Industrial Zone, Al Khobar, Saudi Arabia

This notification of approval is issued subject to the following, failing which leads to cancellation at any time at the discretion of KOC:

- To obtain a valid quality system certification and to obtain its copy for KOC's records.
- To submit a detailed quality system certification in English.
- To update its quality system certification with KOC when required.
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Sincerely,

For Kuwait Oil Company

Mansour Jaddah
<table>
<thead>
<tr>
<th>License No.</th>
<th>26101800P Duplex Stainless Steel Seamless Pipes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agent</td>
<td>CANGZHOU LONGTAIDI PIPE TECHNOLOGY CO., LTD.</td>
</tr>
<tr>
<td>Date</td>
<td>23/09/2020 01:31:33 PM</td>
</tr>
</tbody>
</table>
Dear Ryan,

We are pleased to inform that Cangzhou Longtaidi Pipe Technology Co., Ltd has been prequalified and approved as one of the suppliers in MODEC approved suppliers list (ASL) for Category of Supply: 92-9924 Pipes, Fittings and Flanges - CS (Clad with Inconel) for the next 5 years effective from August 18, 2020.

Please note that any changes in relation to the entity name, ownership and/or business structure, and directors/managerial management will trigger the review. You are required to notify MODEC promptly of such changes.

This prequalification exercise is MODEC internal process to ensure our business dealing entities are in compliance with MODEC Group corporate policies.

This result should not be used as a marketing material for other projects outside of MODEC Group.

This prequalification approval should not be construed as an approved bidder for any MODEC future projects.

Thank you for your kind attention.

Best regards,

K L Cheng
Supplier Manager, Procurement Dept.
Email: klimeng.chong@modec.com | Direct: 65 6499 4363

MODEC Offshore Production Systems (Singapore) Pte. Ltd
9 North Buona Vista Drive #02-01 The Metropolis Tower 1, Singapore 138568
Tel: 65 6499 4000 | Fax: 65 6499 4152 | Ext: 64363

www.modec.com
5 Inspection and Test
We choose first-level factory
Inspection and Test

Raw Material Inspection

Seamless pipes

TPCO
Hengyang Valin Steel Tube Co., Ltd.

Welded pipes

Jiuli
Baosteel
Wujin
Yangzhou Chengde Steel Pipe Co., Ltd.

PCK
Julong Steel Pipe Co., Ltd.
Jiangsu Yulong Steel Pipe Co., Ltd.
Inspection and Test

Raw Material Inspection

Plates

- Beijing Shougang Co., Ltd.
- Nanjing Nangang Iron & Steel United Co., Ltd.
- Tisco
- Taiyuan Iron & Steel (Group) Company Ltd.
- Wuyang Iron & Steel
- EASTRAN GROUP
- POSCO
Inspection and Test

Raw Material Inspection

- Visual Inspection
- Dimension check
- Chemical composition test
- Mechanical property test
- Document check
All works undertaken during the manufacturing process shall be inspected and tested.
5 Inspection and Test

- Final Inspection
  - Visual Inspection
  - Dimension Inspection
  - Marking Inspection
5 Inspection and Test

NDT

RT

UT

MT

PT
Packing Inspection

Package inspection to ensure those package strong enough to withstand damage during transportation.
Inspection and Test

Mechanical Testing Lab
Chemical analysis lab
After inspection, the test specimen sorted storing strictly in our laboratory.
6 Reference Lists
<table>
<thead>
<tr>
<th>No.</th>
<th>Country</th>
<th>Client/Contractor</th>
<th>PROJECT</th>
<th>MATERIAL</th>
<th>COOPERATION YEAR</th>
<th>CONTRACT VALUE</th>
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<tbody>
<tr>
<td>1</td>
<td>RUSSIA</td>
<td>A113, CBI</td>
<td>AFIPSKY REFINERY</td>
<td>A234 WPB, A105, SS 304/304L, SS 316/316L</td>
<td>2021</td>
<td>300K-1 Million USD</td>
</tr>
<tr>
<td>2</td>
<td>BRAZIL</td>
<td>VINSON, Sumitomo Corporation, BR</td>
<td>FPSO ANNA NERY PROJECT</td>
<td>FITTINGS: A234 WPB, WPL6, A103 WP316/316L, ASTM A615 (UNS S31803)</td>
<td>2021</td>
<td>50K-300K USD</td>
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<td>FLANGE CS A105 &amp; SS 316/316L</td>
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<td>PIPE: A106 GR B NACE MR0175, ISO15156</td>
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<td>3</td>
<td>BRAZIL</td>
<td>msc, CIMC RAFFLES, BR, PETROBRAS</td>
<td>FPSO NERO 3 (MARECHAL DUQUE DE CAXIAS)</td>
<td>FRAME WORK AGREEMENT</td>
<td>2021</td>
<td>50K-300K USD</td>
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<td>NERO 3 H228 FITTING TA FOR CS AND LTS</td>
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<td>NERO 3 H528 FLANGE TA FOR CS AND LTS</td>
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<td>NERO 3 NO058HNO06 FLANGE TA FOR CS AND LTS</td>
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<td>4</td>
<td>BRAZIL</td>
<td>MODEC, BR</td>
<td>OSX 3 FPSO</td>
<td>UNS S31803, UNS S22750, ASTM A185 F51, F55</td>
<td>2021</td>
<td>2021 Min. &lt; 50K USD</td>
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<td>PIPING, FITTINGS, FORCINGS</td>
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<td>5</td>
<td>ARGENTINA</td>
<td>RAIZEN, wood.</td>
<td>HYDROGEN MANUFACTURING UNIT - RAIZEN</td>
<td>FITTINGS: A234 WPB, A103 WP316/316L, ASTM A105 SHELL DEP STD</td>
<td>2021</td>
<td>50K-300K USD</td>
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<td>6</td>
<td>Dominican Republic</td>
<td>BARRICK, Midele</td>
<td>Pueblo Viejo OXYGEN PLANT</td>
<td>A234 WBP, A105, SS 304/304L, SS 316/316L</td>
<td>2021</td>
<td>50K-300K USD</td>
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<tr>
<td>7</td>
<td>NETHERLAND</td>
<td>Boskalis</td>
<td>MOORING CHOCK SYSTEM</td>
<td>FABRICATION OF PLATE, PIPE, ELBOW &amp; ACCESSORIES</td>
<td>2021</td>
<td>50K-300K USD</td>
</tr>
<tr>
<td>#</td>
<td>Country</td>
<td>Project Description</td>
<td>Reference Grade</td>
<td>Year</td>
<td>Budget</td>
<td></td>
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<td>8</td>
<td>UAE/Turkey</td>
<td>FIRST 250MMSCFD TRAIN OF KM500 GAS TREATMENT PLANT</td>
<td>EXTERANL</td>
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<td>9</td>
<td>Algeria</td>
<td>DESALINATION PLANT</td>
<td>ENTROPIC VEOLIA</td>
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<td>10</td>
<td>Brazil</td>
<td>OSX 3 FPSO</td>
<td>MODEC</td>
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<td>11</td>
<td>Russia</td>
<td>Arctic LNG Project 2</td>
<td>NOVATEK</td>
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<td>12</td>
<td>Iraq</td>
<td>Block 9 Development Project Phase</td>
<td>Kuwait Energy</td>
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<td>13</td>
<td>UAE</td>
<td>Upgrading Onshore Crude Facilities</td>
<td>ADNOC</td>
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<td>14</td>
<td>Thailand</td>
<td>SRIRACHA SUBSEA CRUDE PIPELINE CAPACITY MAINTENANCE PROJECT</td>
<td>ExxonMobil</td>
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<td>15</td>
<td>China</td>
<td>Sepetiba FPSO</td>
<td>SINO OFFSHORE</td>
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<td>16</td>
<td>Tanzania</td>
<td>TECHNICAL SPEC acc. to BP SPECIFICATION FOR CLADDING</td>
<td>TechnipFMC</td>
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<tr>
<td>No.</td>
<td>Country</td>
<td>Company Logos</td>
<td>Project Description</td>
<td>Materials/Specifications</td>
<td>Start Year</td>
<td>Cost Range</td>
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<td>18</td>
<td>Myanmar (Burma)</td>
<td></td>
<td>Tank farm &amp; distribution system project of MEC land</td>
<td>Pipe Fittings Flange DN150-DN500 A234WPB, A105</td>
<td>2020</td>
<td>50K-300K USD</td>
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<tr>
<td>19</td>
<td>Russia</td>
<td>Gazprom, NIPIGAS, FLUOR</td>
<td>Project of Gas Processing Plant in Amur Russia (P2AM-5-0015-01-001-C09)</td>
<td>Pipe Fittings, bends, Impact test 273</td>
<td>2019</td>
<td>&gt;1 Million USD</td>
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<tr>
<td>20</td>
<td>UAE</td>
<td>ADNOC, CPECC</td>
<td>EPC of Bah Integrated Facilities Project (BIFP)</td>
<td>Clad Pipes, Clad Fittings, Clad Flanges</td>
<td>2018-2019</td>
<td>&gt;10 Million USD</td>
</tr>
<tr>
<td>21</td>
<td>China</td>
<td>Chevron, CPECC</td>
<td>North Eastern Sichuan Highly Sour Gas Field Development Construction Project PetroChina</td>
<td>Welded Fittings in Sour Service</td>
<td>2015</td>
<td>&gt;1 Million USD</td>
</tr>
<tr>
<td>22</td>
<td>Brazil</td>
<td>Petrobras</td>
<td>PETROBRAS 67 (P-67 FPSO) TECHNICAL SPEC ACC. TO 1-ET-30109.93-1400-200-IA7-001, APPENDIX 21</td>
<td>Inconel® 625 “Weld Overlay” Clad Pipe 3mm two layer 5D BENDS X65 PSL2 Inconel Cladded 625 3mm two layer 5D BENDS X65 PSL2</td>
<td>2020</td>
<td>50K-300K USD</td>
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<tr>
<td>23</td>
<td>China</td>
<td>COSCO, SPR</td>
<td>Dongfang (DF) 13-2 Gas Fields Development Project</td>
<td>FITTINGS: A234 WP6, WP11, A403 WP316/316L, FLANGE: CS A105 &amp; SS 316/316L</td>
<td>MORE THAN 1000 TONS 大于1000吨</td>
<td>2018</td>
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<tr>
<td>24</td>
<td>UAE</td>
<td>DEWA, ACWA Power</td>
<td>Hassyan Clean Coal PowerPlant - Phase 1 (4 x 600MWNet)</td>
<td>DN600-DN650 A860 WPHYS2 ASTM A234 WPB</td>
<td>2018</td>
<td>300K-1 Million USD</td>
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</tbody>
</table>
Bab Integrated Facilities Project

ADNOC’s plans to upgrade production capacity to be increased from 420,000 BOPD to 450,000 BOPD by 2020.

KEY FACTS:

CPECC
> 10M USD
Cladded Piping
SHELL DEP
Competitors
The Amur Gas Processing Plant (GPP)

Link natural gas supplies to China via the Power of Siberia gas pipeline.

> 1 Million USD
LTCS Pipe Fittings, bends, Impact test 27J
TechnipFMC has been awarded by BP a large contract for (EPCIC) of the (FPSO) unit to be deployed offshore on the maritime border of Mauritania and Senegal.
Project: N999 Tortue/Ahmeyim LNG 2020
Client: BP & TECHNIP & COSCO

> 1 Million USD
WELD OVERLAY PIPES (94 PCS)
WELD OVERLAY FITTINGS (176 PCS)
PRE-FABRICATED PIPING (260WJ)
The P-67 FPSO will produce 150,000 bpd and compress six million cubic meters of natural gas daily Lula-Cernambi field in the Santos basin.
Client: COOEC & PETROBRAS

Inconel® 625 “Weld Overlay” Clad Pipe 3mm two layer
5D BENDS X65 PSL2 Inconel Cladded 625 3mm two layer
5D BENDS X65 PSL2

TECHNICAL SPEC ACC. TO I-ET-3010.93-1400-200-IA7-001, APPENDIX 21
Client: DEWA

Contractors: HEC ACWA

Hassyan Clean Coal PowerPlant - Phase 1 (4 x 600MWNet)

FITTINGS
DN600-DN650
A860 WPHY52 ASTM A234 WPB
THANKS!!!