



# Century Offshore

**OIL TOOLS**  
Completion Equipment

Design, Manufacturing,  
Test & Operation



## Company Profile



Who We Are?



Certifications and Quality Assurance



What We Do?



Our Team



Products



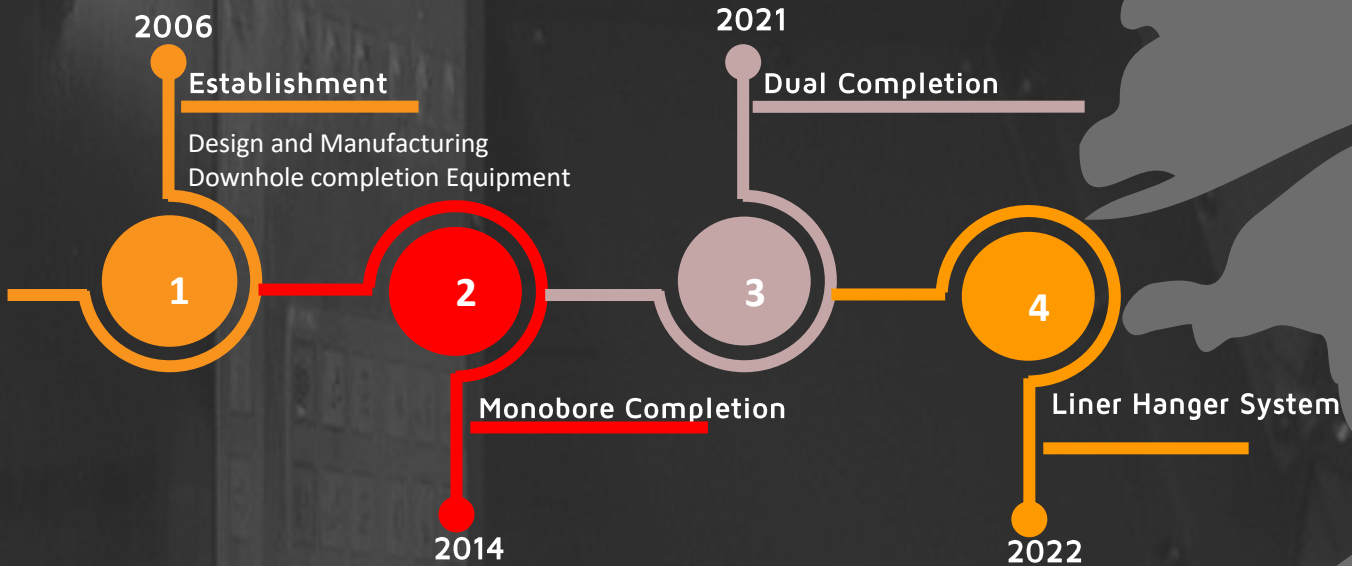
Why us?



Projects



## Who We Are?



## What We Do?

- ✓ Provides a comprehensive range of fully integrated “Down hole Completion Systems” for on-shore & off-shore fields.
- ✓ We Design, Manufacture, Assemble and test our equipment and providing running services.
- ✓ Productions are compatible with other international manufacturers



## Products

**Conventional Completion**

**Liner Hanger System**

**Monobore Completion**

**Dual Completion**

**Rig Spare Parts**





# Products

## Conventional Completion



X-Mass Tree

Wellhead

Fluted Swage

Fluted Adapter

Long Flow Coupling

Safety Valve Landing Nipple

Short Flow Coupling

Cross Over Sub

Expansion Joint

Side Pocket Mandrel

Sliding Side Door

Anchor Seal Unit

Permanent Packer

Mill Out Extension

Cross Over Sub

Top No-Go

Perforated Pop Joint

Bottom No-Go

Re-Entry Guide

### Working Class

5,000 Psi

7,500Psi

10,000 Psi

### Size

9 5/8" x 7"

7" x 4 1/5"

7" x 5"

5" x 4 1/5"

4 1/5" x 3 1/5"

### Material

L80-Type 1

L80-Type 9Cr

L80-Type 13Cr

4140-110

### Type

Permanent

Retrievable

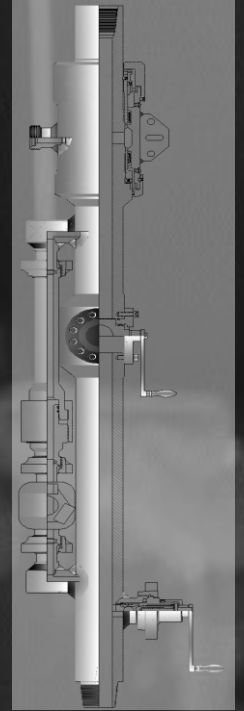
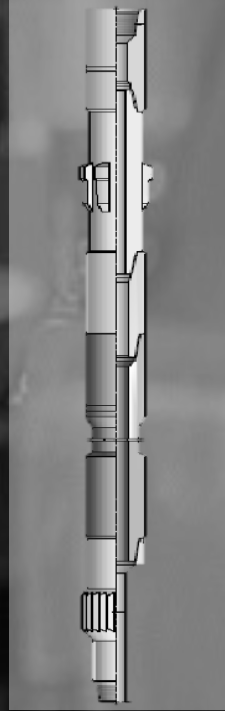
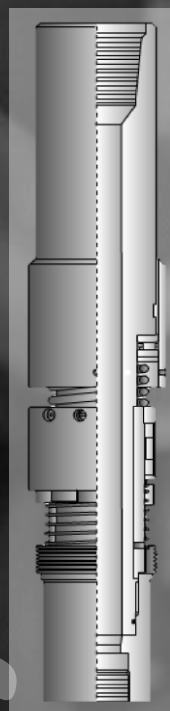
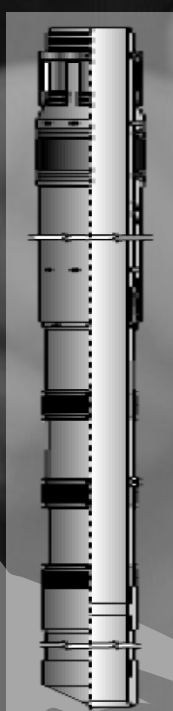
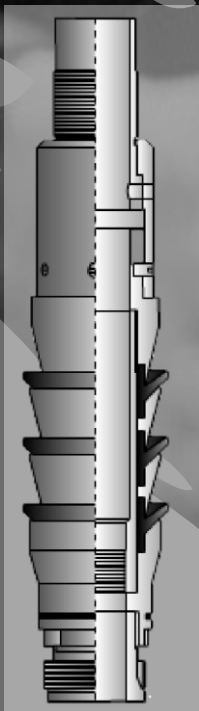


# Products



## Liner Hanger System

Working Class	Size	Material	Type
5,000 Psi	9 5/8"	L80-Type 1	- Non Rotation
	7"	L80-Type 13Cr	- Rotational While Running
	5"	C110	- Rotational While Cementing





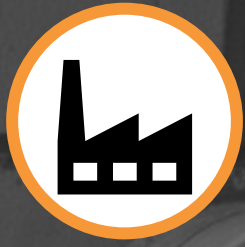
## Products



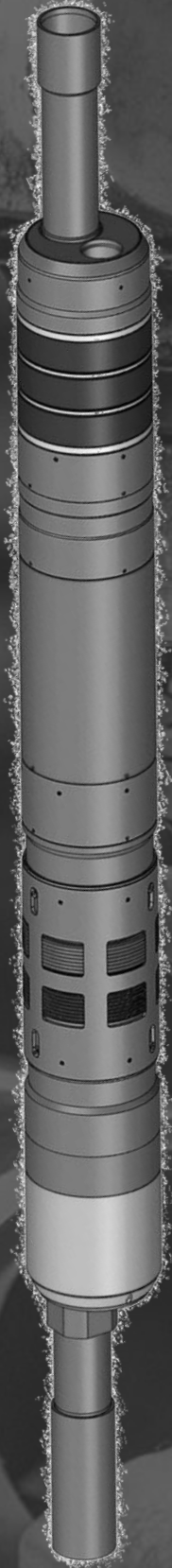
### Monobore Completion

Working Class	Size	Material	Type
5000 Psi	9 5/8"	L80-Type 1	Permanent
7500 Psi	7" x 5"	L80-Type 28Cr-110	
	5"	L80-Type 13Cr-110	





## Products



# Dual Completion

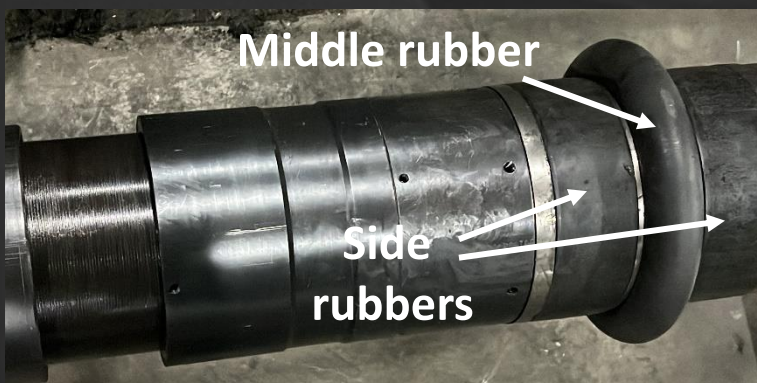
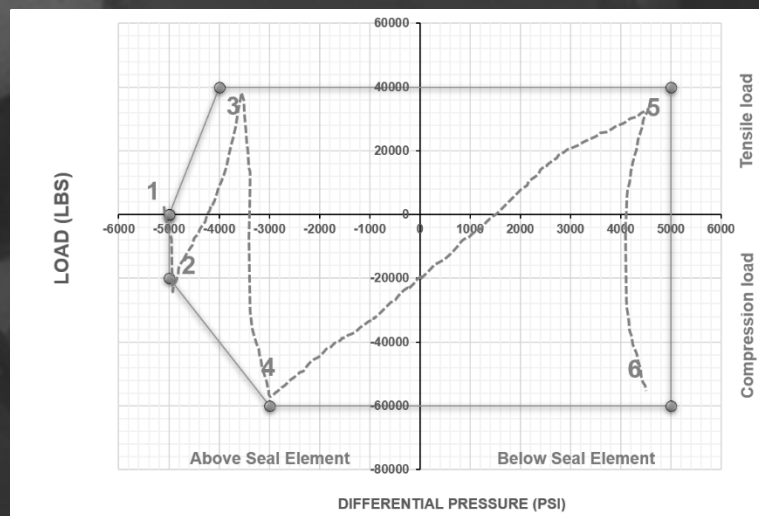
Working Class	Size	Material	Type
5000 Psi	3 1/2" x 3 1/2"	L80-Type 1	Retrievable
	3 1/2" x 2 7/8"	L80-Type 13Cr	
	2 7/8" x 2 7/8"		





# Certifications and Quality Assurance

- ✓ Integrated Management System [ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 certifications]
- ✓ Establish of API Q1 & Q2 for Manufacturing and Running Services
- ✓ ISO 14310, V0 Grade Certificate For Mono-bore Completion String
- ✓ API 11D1, V0 Grade Certificate For Permanent Packer 7" x 4.5"
- ✓ API 14A, V3 Grade For TRSV 4.5" X 3.437" (Annex B & Annex C)
- ✓ API 11D1, V3 Grade For Retrievable Packer 7" x 3.5"



Rubber bulging in test without casing



Rubber surface effect on casing inside surface



# Certifications and Quality Assurance

## Comprehensive test facilities

- Hydro test unit (water & Oil up to 7.5K)
- Gas (Nitrogen) test unit (up to 5K)
- Water inflow test unit (up to 50 lit/s capacity)
- High temperature gas test unit (up to 200C)

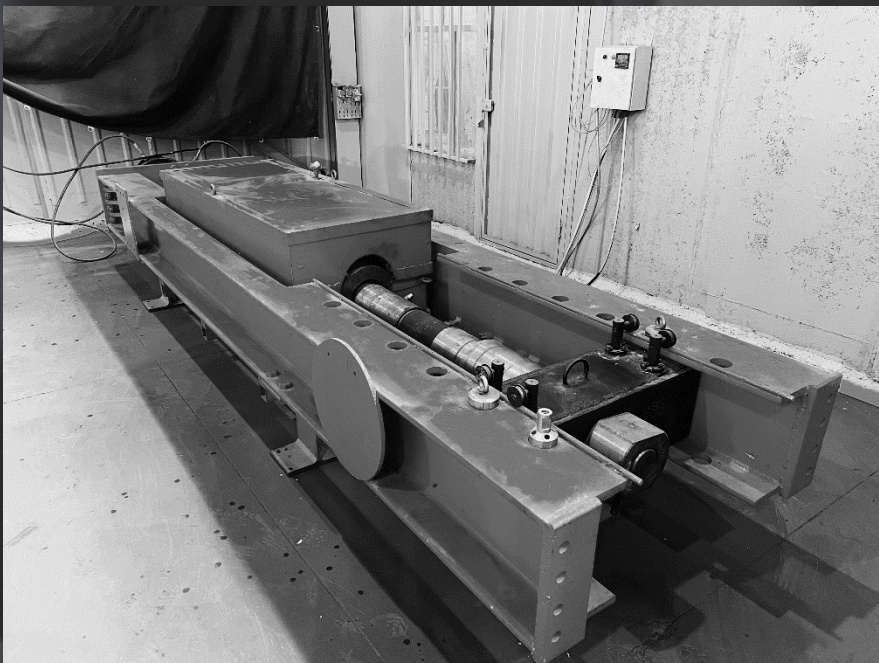
✓ Three weeks hard work

✓ More that 200 open/close tests

✓ Low, medium and high pressure gas tests

✓ Zero bubble control line high temp-gas tests

✓ 7.5K Body test





## Our Team

Engineering

Supply  
Chain

Manufacturing

Assembly &  
Test

QHSE

Planning &  
Project  
Control



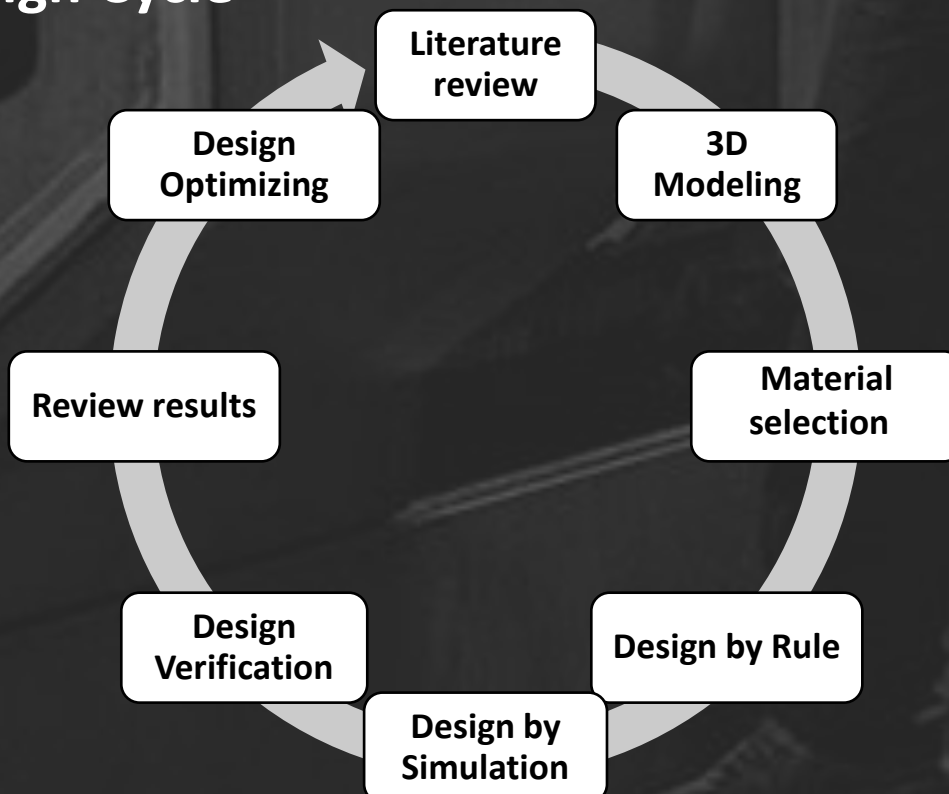


## Our Team

### Engineering

- ✓ Conceptual design base on related API and ASME standards
- ✓ 3D Modelling and Drawing preparation with SOLIDWORKS 2024 software
- ✓ FVM & FEM Simulations by ANSYS WORK BENCH and ABAQUS software
- ✓ The use of 3D Printing for Visual Evaluation of designed parts.

### Design Cycle







## Our Team

### Manufacturing

Processing including milling, drilling, boring, turning, deep hole drilling, welding, wire EDM, threading, grinding, sawing, honing, stamping, coating.

Machinery include More than 20 CNC and manual turning machines and 7 special CNC machines which programmed to manufacture different VAM series threads, 3 deep-hole machines , milling machines , wire EDM machine and etc.



- Turning CNC & Manual
- Fancuc Control
- MAX: Ø630 X5000



- Deep Hole & Honing:
- MAX: Ø350 X 7000
- MAX: Ø230 X 9000
- 400 mm work diameter
- 12000 mm work length



- Wire Cut:
- Soapy Water Back and Forth
- MAX: 600X500X400
- 0.02 accuracy



- Milling CNC & Manual:
- 3 Axis & 4 Axis
- MAX: 2000X1000X800



## Our Team

### Supply Chain

Supply Chain Management procedures have been conducted in our firm empowered by the Sales, Procurement and Warehouse/Inventory divisions which lead and synchronize by Commercial Department.

### HSEQ

People come first and our commitment to their safety and health are our top priority. We apply health and safety procedures to all hazards of our operations. We are striving to continuously learn, share and improve personal safety efforts by putting safety leadership in our culture, fully absorbing all employees in safety and providing a safe working environment for all employees and contractors.





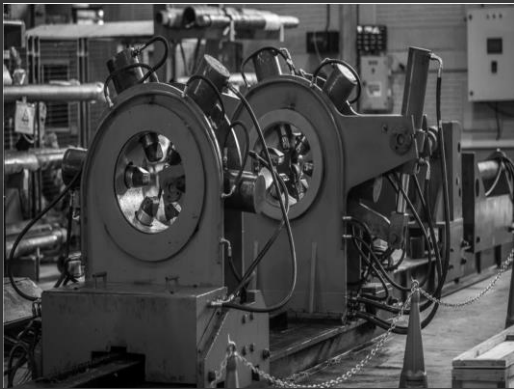


## Our Team

### Assembly & Test

Based on the API and ISO standards and under the supervision of our experts, assembly and test of downhole completion tools implement with the following equipment:

- ✓ Validation Test Bench: Suitable for packer and Safety Valve validation test up to grade V2, Hydro and gas pressure test up to 15K, axial load up to 400 ton and cycling temperature up to 200 C.
- ✓ Side Pocket Mandrel Test Bench: According to API 19G1 up to V1 and F1 tests, calibration and nitrogen charge and discharge unit.
- ✓ Make-up & Break-out Machine: Suitable for 3.5" to 13 5/8" connection.





## Why Us?



### Experience

With more than 236 well completion experience can identify your challenges and work with you to find a solution that is fit for purpose.



### Customers

Our customers prefer our Supply products because we can demonstrate efficiency, cost reductions and improved safety.



### R & D

Development and improvement of products through advanced R&D and superior manufacturing techniques.



### Innovation

Innovative and efficient engineering teams that will turn your "what ifs" into reality.



### Safety

Our Supply adhere to all best practices ensuring the safety of you and your staff.