



HT ENERGY JOINT STOCK COMPANY

COMPANY PROFILE





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About Us

Who We **Are**

A young company, found in 2016, with vision to become the leading Hi-Tech Oil & Gas & Industrial Service Provider in Vietnam.

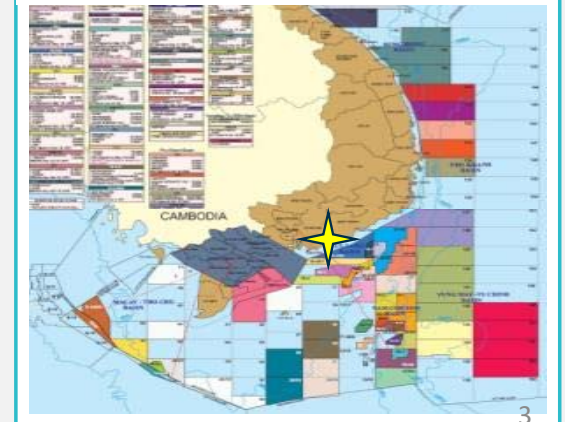
What We **Offer**

Our Company have been providing Hi-Tech Services (N2-He Leaktest, Chemical Cleaning, Hot Oil Flushing, Valve Repair) for several oil & gas projects since 2016.

Our Location

Vung Tau, Vietnam

Vietnam's Map of Oil & Gas Basins



Timeline

2016

- Found in Vung Tau, Vietnam.
- Perform Leaktest, service for Su Tu Trang Full Field Development Project (CLJOC)

2017

- Provide services for major clients: Bien Dong POC, PTSC M&C, Hoang Long JOC, PV Gas.
- Provide services for Turn-around of Dung Quat Refinery and Phu My Fertilizer Plan

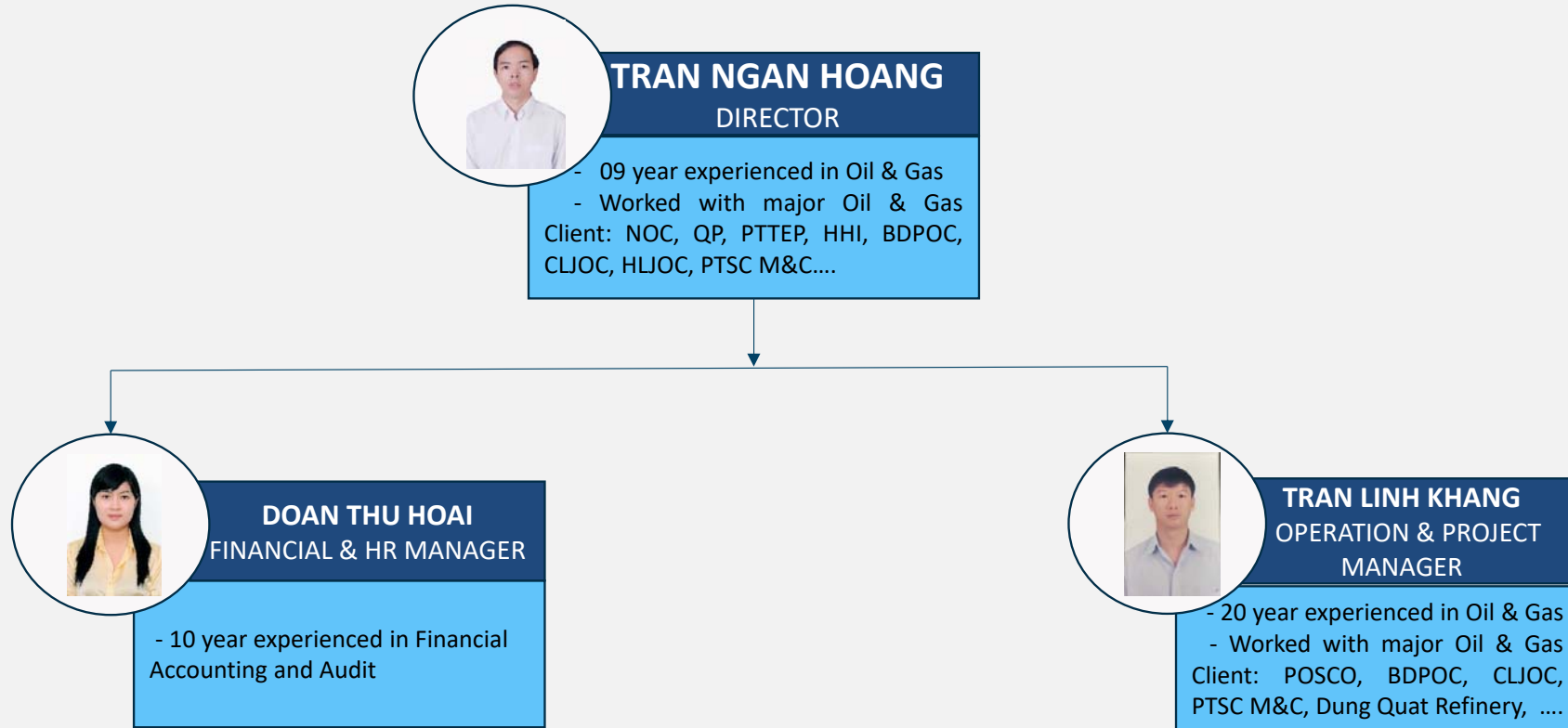
2018

Provide services for major clients: VSP, JPVC, ROSNEFT VN, POSCO SS VINA

2019

- Leading in local market for Leaktest, Oil Flushing, Chemical Cleaning.
- Expand into Pipeline Precom.

Organization



Our Services



HI-TECH SERVICES

N2-He Leaktest

Flange Management

Chemical Cleaning

Hot Oil Flushing

Valve Repair & Testing



MANPOWER SUPPLY



EQUIPMENT TRADING & RENTAL

Hi-Tech Services



N2-He Leaktest



Chemical Cleaning



Valve Repair & Testing



Flange Management



Oil Flushing

N2-He Leaktest

A **Leak Test** is performed on Pipe systems to determine the pressure integrity of the system. **N2-He Leaktest** is the most accurate method of locating and quantifying system leaks.

HT Energy can provide **N2-He Leaktest** Service with following capabilities:

- Up to 15000 psi test pressures
- Portable Leak Detector



N2-He Leaktest



N2 Pumping Unit

Manufacturer: Hydra Rig

Capacity: 90,000 SCFH



N2 Tank

Manufacturer: Cryo Diffusion Lery

Type: IMO Type 7

Capacity: 8100 L

N₂-He Leaktest



Gas Booster Pump

Manufacturer: Maximator
Max Pressure: 15,000 psi



Portable Leak Detector

Manufacturer: Vaseco
Model: HD1

N2-He Leaktest

No	Project	Client	Year
1	8K Gas Compressor (GTC) Maintenance	CUULONG JOC	2019
2	Improve LPG Recovery System at GPP Dinh Co Factory Phase II	PV GAS	2018
3	Improve LPG Recovery System at GPP Dinh Co Factory Phase I	PV GAS	2017
4	Su Tu Trang Full Field Development	CUULONG JOC	2016

Flange Management

Flange Management solutions prevent leak in bolted flange assemblies.

HT Energy can provide **Full Package** for **Flange Management** Service (including Engineering, Equipment, Manpower) with following capabilities:

- Bolt tension Pump up to 25,000 psi
- Hydraulic Torque Pump up to 10,000 psi
- Bolt size: 1" to 3 ½"

Standards/Codes applied:

- ANSI B16.5
- ASME B31.3



Chemical Cleaning

Chemical Cleaning solutions remove deposits, rust, welding slags, mill scale, protecting piping, improving heat transfer, flow characteristics and other system parameters.

HT Energy can provide **Full Package** for **Chemical Cleaning Service** (including Engineering, Equipment, Manpower) with following capabilities:

- Piping systems (hydraulic, fuel gas and lube oil systems)
- Heat Exchangers, Vessels, Tanks
- Specification
 - Max pump up to 250 psi
 - Max temp up to 90 degree C
 - Max flow up to 1200 LPM

Standards/Codes applied:

- ASTM A967, ASTM A380
- API 614



Chemical Cleaning

No	Project	Client	Year	Scope Description
1	Chemical Cleaning For SVDN Project	PTSC M&C	2019	Chemical cleaning
2	Chemical Daily Tanks For TLDD	PVEP	2019	Chemical cleaning
3	Maintenance Drilling PDV I	PVD TECH	2019	Chemical cleaning & Hot Oil flushing for Hydraulic System
4	Zocv Eafd Recycling Plant Project	POSCO E&C	2019	Chemical cleaning and Pigging Oxy piping system
5	Maintenance Stell Posco SS Vina	POSCO SS VINA	2018	Chemical cleaning & Hot oil flushing for cooler system
6	Su Tu Trang Full Field Development	CUULONG JOC	2016	Chemical cleaning lube oil system of Solar Turbine
7	Su Tu Trang Full Field Development	CUULONG JOC	2016	Chemical cleaning and hot oil flushing

Oil Flushing

Hot Oil Flushing solutions prevent undesirable particles and foreign debris in hydraulic and/or lubrication oil systems.

HT Energy can provide **Full Package** for **Oil Flushing** Service (including Engineering, Equipment, Manpower) with following capabilities:

- Flow rates up to 1250 LPM
- Cleans down to 1 micron using built in filtration with contamination levels to NAS 1638 and ISO 4406
- Forklift pockets / Lifting lugs provision for transportation and lifting.
- Capable of flushing smaller diameter tubes of 6 mm to larger diameter pipes of 6 inches.

Standards/Codes applied:

- SAE AS 4059 CLASS 3
- NAS 1638
- ISO 4406



Hot Oil Flushing



HPU (Hydraulic Power Unit)

Pump type: Oil Base
Working pressure: 70 bar
Flow rate: 50 m³/h



HPU (Hydraulic Power Unit)

Pump type: Oil Base
Working pressure: 350 bar
Flow rate: 10 m³/h



Particle Counter

ISO 4406:1987; NAS 1638
ISO 4406:1999; SAE AS 4509 (D)

Hot Oil Flushing

No	Project	Client	Year	Scope Description
1	Maintenance Drilling PDV I	PVD TECH	2019	Chemical cleaning & Hot Oil flushing for Hydraulic System
2	Barge Project PVS	BARGE NORWAY	2019	Hot oil flushing
3	Phong Lan Dai Development	ROSNEFT VN	2018	Oil flushing for tubing of subsea valve skid
4	Repair and Testing Control Valve	PV GAS	2018	Repair and testing Control valve
5	Maintenance Stell Posco SS Vina	POSCO SS VINA	2018	Hot oil flushing and chemical cleaning for cooler system
6	H1 Water Handling and Oil Production Enhancement	HOANG LONG JOC	2017	Tubing flushing
7	Su Tu Trang Full Field Development	CUULONG JOC	2016	Hot oil flushing for hydraulic system and hydraulic tank

Valve Repair & Testing

Valve Repair solutions provide just-in-time repair & maintenance need for restoration of factory back to normal operation.

HT Energy can provide **Valve Repair & Testing** with following capabilities:

- Diagnose and repair valve and actuator-related problems in gate, globe, butterfly, check and ball valves

Standards/Codes applied:

- API 598, API 6A, API 6D
- ASME 1634 B



Valve Repair & Testing

No	Project	Client	Year	Scope Description
1	Maintenance and Repair Control Valve	HOANG LONG JOC	2018	Maintenance and Repair Control valve
2	Turnaround 2018 of Ca Mau Fertilizer Plant	PVFCCo.	2018	Overhaul, repair and calibration control valve
3	Maintenance and Repair MOV Valve at Metering Skid	VSP	2018	Maintenance and repair MOV valve
4	Turnaround 2017 of Phu My Fertilizer Plant	PVFCCo.	2017	Overhaul, repair and calibration control valve
5	Turnaround 2017 of Phu My Fertilizer Plant	PVFCCo.	2017	Valve leak test, body test, resurface flange
6	H1 Water Handling and Oil Production Enhancement	HOANG LONG JOC	2017	Valves Air Seat Test
7	H1 Water Handling and Oil Production Enhancement	HOANG LONG JOC	2017	Assembly & Test shutdown & control valves
8	Turnaround of Dung Quat Refinery	BSR	2017	Overhaul manual valves for Package 06
9	Su Tu Trang Full Field Development	CUULONG JOC	2016	Onsite valve testing

Manpower Supply

HT Energy can provide **Manpower Supply** Service with following capabilities:

- Indirect:
 - Leaktest Engineer/Supervisor
 - Mech Engineer/Supervisor

- Direct Worker:
 - N2 Pump Operator
 - Mech Tech



Equipment Trading and Rental

HT Energy can provide **Equipment Trading and Rental** Service with following capabilities:

- Leaktest Equipment (Pumps, Tank, Leak Detector)
- Hydraulic Power Pack
- Air Compressor and Generator
- Tote and Chemical Tanks
- Bolt tightening Equipment
- Hydrotest Equipment
- Pump
- Multi Phase Flow Meter



Other Services

HT Energy can provide other service including:

- High Pressure Water Jet
- Mechanical Maintenance for Pumps and Equipment
- Pipeline Precommissioning



Our Facilities



HT's Office



HT's Workshop



Our Facilities



HT's Workshop

Area: 1,200 m²

Location: No 42B4, 30/4 Street, Vung Tau City
(Near PTSC Downstream Port)

Major Equipment:

1. Forklift & Crane Equipment
2. Test Bench for Valve Repairs
3. Welding Machines
4. Leaktest Equipment
5. Hydraulic Power Pack (Hot Oil Flushing)
6. Chemical Cleaning Skid
7. Tote Tanks
8. Chemical Tanks
9. Bolt tightening equipment
10. Hydrotest Equipment

Track Record





**Your Reliable Partner For
Success**



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