



## INSTRUMENTATION AND ELECTRICAL SYSTEM DESIGN - PROCUREMENT INSTALLATION - COMMISSIONING - MAINTENANCE TESTING - CALIBRATION - VERIFICATION - MANPOWER SUPPLY

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### **INTRODUCTION**

orthern Stars Equipment and Technology Services Co., Ltd (NSETS Co., Ltd.) was established on 26<sup>th</sup> June, 2007 under the Enterprise Law.

NSETS Co., Ltd office is located in Vung Tau City, Ba Ria – Vung Tau Province, Vietnam.

NSETS Co., Ltd has established its own International Standard Laboratory to provide Testing -Verification - Calibration services of testing, measuring Instrument and PSV.

NSETS Co., Ltd core Business is the Provision of Equipment supply and Technical Services for Industrial Instrumentation, Electrical and Mechanical Systems. Target to become the Value Added Distributor and Technological Transfer of the Test, Measuring, Control Instrumentation, Electrical and Mechanical System in Vietnam Market.

NSETS Co., Ltd undertakes the role of an independent Integrated Engineering Services Provider.

NSETS Co., Ltd successfully completed assignments in the Power, Petrochemical, Refinery, Oil and Gas Industries. We are committed to strive for excellence. to build confidence of Foreign and Local Enterprises involved in the dynamic business environment of Process Plants construction and maintenance.

NSETS Co., would like to establish the bussiness relationship will all Local and Foreigner Companies with the aim of co-operation and development.



### **SCOPE OF BUSINESS**

### Instrument Testing \Calibration and Verification Services



Instrumentation and Control System Installation, Commissioning and Maintenance Services



**Electrical System Installation, Commissioning and Maintenance Services. AC & DC Motor overhaul Services** 







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### **SCOPE OF BUSINESS**

#### **Onshore and Offshore Projects/Area of the Services**

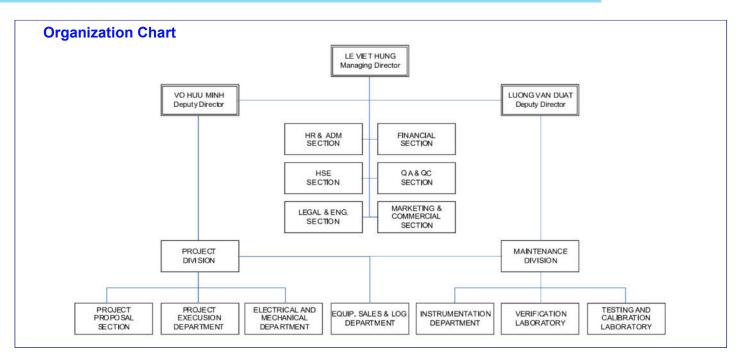




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### **ORGANIZATION - QUALITY MANAGEMENT - HSE SYSTEM**



# Quality Management - HSE System - Operting License of Sublease Labour and Public Liability Insurance Certificate



The Quality Management System of the Laboratory has been assessed and found to conform with requirements of ISO/IEC 17025:2005, accredited by Vietnam Inspection Laboratory Accreditation Scheme (BoA) since 2008, Accreditation no.: VILAS 300.

The Quality Management system of the company is conformed with ISO 9001:2015, certified by Vietnam Certification Centre (QUACERT).

The Occupational health and safety management systems is conformed with ISO 45001:2018, certified by Institute For Standard And Quality Development Studies.



Operating License of Sublease Labour from Ministry of Labour Invalids and Social Affairs for Manpower supply onshore and offshore.

The Insurance Policies for Product Liabilities and Personnel are also in place and cover all company business activities.

Organization Quality management HSE System

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#### STANDARD/TESTING EQUIPMENT AND TOOLS

NO	DESCRIPTION	MODEL	ACCURACY	RANGE	BRAND
A. Pı	essure Standard/Testing Equipment	1	0.0000	0.00 to 05 have	
1	Air Dead Weight Tester	P3025	0.0086	0.02 to 35 bar	FLUKE
	-		0.0074 0.0087	<u>-100 to -3 bar</u> 1 to 55 bar	
2	Oil Dead Weight Tester	P3125-BAR	0.0061	20 to 1100 bar	FLUKE
3	Pressure Calibrator	DPI 610	0.002	-1 to 2 bar	DRUCK
4	Pressure Calibrator	DPI 610	0.0022	-1 to 20 bar	DRUCK
				0 to 400 bar	
5	Pressure Calibrator	DPI 610	0.02	0 to 350 mbar	DRUCK
6	Pressure Calibrator	DPI 611	0.001	-1 to 2 bar	DRUCK
7	Pressure Calibrator	DPI 611	0.002	-1 to 20 bar	DRUCK
8	External Pressure Sensor Calibrator	DPI 610	0.0019	-1 to 10 bar	DRUCK
9	External Pressure Sensor Calibrator	DPI 610	0.0012	-1 to 35 bar	DRUCK
10	External Pressure Sensor Calibrator	DPI 610	0.0045	-1 to 70 bar	DRUCK
11	External Pressure Sensor Calibrator	DPI 610	0.0144	0 to 135 bar	DRUCK
12	External Pressure Sensor Calibrator	DPI 610	0.025	0 to 350 bar	DRUCK
13	External Pressure Sensor Calibrator	DPI 610	0.0445	0 to 700 bar	DRUCK
14	External Pressure Sensor Calibrator	DPI 611	0.005	-1 to 10 bar	DRUCK
15	External Pressure Sensor Calibrator	DPI 611	0.0021	0 to 35 bar	DRUCK
16	External Pressure Sensor Calibrator	DPI 611	0.007	0 to 70 bar	DRUCK
17	External Pressure Sensor Calibrator	DPI 611	0.0091	0 to 135 bar	DRUCK
18	External Pressure Sensor Calibrator	DPI 611	0.0236	0 to 200 bar	DRUCK
19	External Pressure Sensor Calibrator	DPI 611	0.0392	0 to 700 bar	DRUCK
20	Pressure Indicator Calibrator	DPI 104	0.0007	-1 to 7 bar	DRUCK
21	Pressure Indicator Calibrator	DPI 104	0.002	-1 to 20 bar	DRUCK
22	Pressure Indicator Calibrator	DPI 104	0.0031	-1 to 20 bar	DRUCK
23	Pressure Indicator Calibrator	DPI 104	0.007	0 to 70 bar	DRUCK
24	Pressure Indicator Calibrator	DPI 104	0.002	0 to 70 bar	DRUCK
	Pressure Indicator Calibrator	DPI 104	0.02	0 to 200 bar	DRUCK
	Pressure Indicator Calibrator	DPI 104 DPI 104	0.0154	0 to 350 bar	DRUCK DRUCK
<u>27</u> 28	Pressure Indicator Calibrator Pressure Indicator Calibrator	DPI 104	0.04 0.05	0 to 350 bar 0 to 700 bar	DRUCK
	Pressure Indicator Calibrator	DPI 104	0.03	0 to 1400 bar	DRUCK
	emperature Standard/Testing Equipment	DFI 104	0.2	0101400 bai	DRUCK
1	Chub-E4 Thermometer Readout	1529	6	-200 to 2000°C	FLUKE
2	Secondary Standard PRT	5626-12	0.03	-200 to 660°C	FLUKE
3	Secondary Standard PRT	5626-1	0.03	-200 to 660°C	FLUKE
4	Metrology Well Calibrator	9170	0.112	-45 to 140°C	FLUKE
5	Metrology Well Calibrator	9173	0.421	50 to 700°C	FLUKE
6	Metrology Well Calibrator	9170	0.0318	-45 to 140°C	FLUKE
7	Metrology Well Calibrator	9173	0.0412	50 to 700 °C	FLUKE
8	Dry Well Calibrator	P1200	3.0	150 to 1200°C	FLUKE
9	Edgetech instrument RH calibrator	RH-CAL		0 to 50/ 100 °C	EDGETECH
10	Temperature and Humidity Data logger	SK-L200THIIα +	0.4	(10 to 99,9) %RH	SK SATO
10		SK-LTHIIα-1	0.4	(-15 to 65) °C	ON OATO
11	Temperature and Humidity Data logger	SK-L200TΗ <b>ΙΙ</b> α +	0.6	(10 to 99,9) %RH	SK SATO
		SK-LTH <b>ll</b> α-1	0.0	(-15 to 65) °C	
	essuring instrument/Equipment		1		
1	Documenting Process Calibrator	Fluke 743B	0.05	0 to 30 mA	FLUKE
2	Loop Calibrator	Fluke 707	0.003	0 to 24 mA	FLUKE
3	Multimeter	Fluke 28II		0 to 600 vAC	FLUKE
4	Digital Multimeter	Fluke 179		0 to 1000 vAC	FLUKE
5 6	Loop Calibrator Insulation Multimeter	Fluke 709 Fluke 1587		0 to 24 mA 0 to 1000 vAC	FLUKE FLUKE
<u>6</u> 7	Digital Microhmmeter	Megger DLRO10X	0,0058	0 to 1999.9Ω	MEGGER
8	Mega Ohm Tester	Kyoritsu-3005A	0.0000	0 to 2000Ω	KYORITSU
9	Analog Multimeter	Fluke 376		0 to 30 mA	FLUKE
	Multimeter	Fluke 87		0 to 1000 V	FLUKE
	Insulation Resistance	S1-554/2	0.0577	100 KΩ to 100 GΩ	MEGGER
	mA Calibrator	Fluke 709	0.0006	0 to 24 mA	FLUKE
	Wood Humidity Meter	602-2	0.0000	0 to 100 %	TESTO
	art Communicators				
	Hart Communicatior	475			EMERSON
	Hart Communication	375			EMERSON
	Hart Communication	275			EMERSON
	and and Pumps				
E. Ha		1000704	1	-0.95 to 60 bar	HUAXIN
	Hand Pump Pressure	HX673A	I		
1	Hand Pump Pressure Hand Pump Pressure	HX673A HX4700A		0 to 600 bar	HUAXIN

#### EQUIPMENT FOR CONSTRUCTION

NO	DESCRIPTION	MODEL	ACCURACY	RANGE	BRAND
1	Truck crane 5T -TADANO			5 ton	TADANO
2	Mobile crane 25 T			25 ton	TADANO
3	Forklit 5T			5 ton	ΤΟΥΟΤΑ
4	Electrode Welding machine			200 A	HONG KY
5	Welding machine 6 torch			N/A	HONG KY
6	Mig Welding machine 250A-380V			250 A	HONG KY
7	TIG welding machine			N/A	HONG KY
8	Magnetism drilling machine Magtroon MBQ 100			N/A	MAGTRON
9	Drilling machine VN 2HP			2HP	HONG KY
10	Taro thread machine	Beaver 50A		N/A	ASADA
11	Air compressor			N/A	KOBELCO
12	Carriage machine welding			N/A	PREMIER
13	Cutting machine Plasma			N/A	HITBOX
14	Scaffolding			N/A	
15	Grinding machine D 100; 125; 150; 180			N/A	BOSCH
16	Palang 1T; 2T; 5T; 10T			1ton - 10ton	VITAL
17	Quick-up Lift			5 ton	HAULOTTE
18	Electric scissor Lift			10 <b>-</b> 12 ton	HAULOTTE
19	Fork-lift 03 ton	ECO		03 ton	ΤΟΥΟΤΑ
20	Trolley Hoist			3 <b>-</b> 5 ton	HARRINGTON
21	Hydraulic Lifting			5 ton	CLARKE
	Winch	TY 3413		2.5 ton	MISUMI
23	Argon Welding Machine			11kVA	WIM
24	Argon Welding Machine			7.5kVA	HITACHI
25	AC/DC Welding Machine 250kVA			24kVA	HONG KY
26	Generator	100A		100 kW	MITSUBISHI

#### SITE COMMUNICATION SYSTEM

1	Repeater Communication	CDR700 UHF	10km	MOTOROLA
2	Walkie-Talkie	GP338-IS VHF	5Km	MOTOROLA

### PEOPLE



Our people are our most important resource.

Our staffs are Instrumentation, Electrical and Mechanical Engineer and Technicians who had been worked on Model Technology Projects in the phase of construction and maintenance. Our Staffs are also familiar with ISO/IEC 17025, ISO 9001, OHSAS 18001, ISO 45001 Standards, Model Project Sites Rules, Regulations and Procedures.

We provide the right expertise at the right place the right time and we deploy qualified and experienced personnel all of them with proven track records gained by active technology transfer programs during various project implementations.



### PRODUCTS

LAB EQUIPMENT PRESSURE **TEMPERATURE FLOW** LEVEL **CONTROL VALVE ELECTRIC EQUIPMENT** CABLE **HUMIDITY/ DEW POINT** SIGNAL CONDITIONERS LIQUID ANALYZERS **DATA ACQUISITIONS CONTROL SYSTEMS** TOOLS **OTHERS** 

#### LAB EQUIPMENT

- + Dry Blocks & Liquid Baths
- + Reference Sensors
- + Thermocouple Referencing Equipment
- + Infrared Calibrators
- + Portable Pressure Calibrators
- + Pressure & Vacuum Pumps
- + Dead Weight Testers
- + Pressure Calibrators
- + Testing
- + Single & Multi Function Calibrators
- + Metrology Lab Services
- + Calibration Stations

#### PRESSURE

- + Gage/Absolute/Differential Smart Transmitters
- + Pneumatic Transmitters
- + Barometric transducers/Transmitters
- + Submersible Transmitters
- + Cryogenic Transmitters
- + Sanitary Transmitters
- + Pressure Gauges
- + 2,3 & 5 Valve Manifolds
- + I/P & P/I Converters
- + Pressure Switches
- + Digital Pressure Indicators

#### **TEMPERATURE**

- + Thermocouple/ RTD/Sensors
- + Thermo Wells
- + Heating elements
- + Trip Chart/Circular/Paperless Recorders
- + Pyrometers

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+ Universal Controllers

+ Temperature Switches

+ Temperature Gauge/Indicators



### **FLOW**

- + Vortex/Mag/Mass/Turbine Meters
- + Oval/Target/Guilflo/ Pitot Tube Meter
- + Portable Flow meters
- + Integrators/Totalizers /Indicators
- + Rota meters/Variable Area Meters/ Armored meters
- + Orifice Plates
- + Flow Provers/ Meter Runs
- + Flow Switches

#### LEVEL

- + Ultrasonic/Capacitance/Radar Liquid Laser/RF level trans.
- + Density Measurement
- + Float/Level/Flow/Viration /Thermal Buoyance/ Paddle Switches
- + Level Gauges/Transmitters
- + Submersible Transmitters
- + Magnetic Level Gauges
- + Magnetostrictive Level Trans.
- + Plumb Bob Device
- + Specialty Level Transmitters

#### **CONTROL VALVES**

- + Pneumatic
- + Electric
- + Stroke Valve
- + Hydraulic
- + Ball/Gate/Butterfly/Knife /Plug/V-Ball/Lined
- + Shut down Valve
- + Regulators

### **ELECTRICAL EQUIPMENT**

- + Motor control Centers (MCC's)
- + Motor starters
- + Motor AC
- + Motor DC
- + Metering Pumps
- + Chemical Pumps
- + Turbine Pumps
- + Magnet Drive Pumps
- + Rotary Gear Pumps
- + Diaphragm Pumps
- + Sump Pumps
- + Piston & Cavity Pumps
- + Regenerative Pumps

#### CABLE

- + Flexible Cables
- + Heat Tracing Cable
- + Multi-Condutor Cable
- + High Temperature Cable
- + Fiber Optics
- + Coaxial Cable
- + Instrumentation Cable
- + Medium Voltage Power Cable
- + Building Cable
- + Tray Cable
- + Cable Management Products
- + Hook-Up Wire
- + Fire, Security & Card Access

#### **HUMIDITY/DEW POINT**

- + pH/ Temperature Transmitters
- + Water Activity Systems
- + Portable Humidity/ Temperature Meters
- + Dew Point Analyzers

### **PRODUCTS**

#### SIGNAL CONDITIONERS

- + Transmitters 2 & 4 Wire (T/C, RTD, V, I)
- + Loop Powered Signal Isolators
- + Alarm 2 & 4 Wire (T/C, RTD, V, I)
- + I/P or P/I Converters
- + Trip Amplifiers
- + Frequency Pulse Modules
- + Analogue Ex Interfaces
- + Power Supplies
- + Power Transducers (V, I, W, PF, F)+

#### LIQUID ANALYZERS

+ pH, Conductivity, DO

#### **DATA ACQUISITION**

- + Temperature & Humidity Data logger
- + Process Data logger
- + A/D & D/A computer interface Modules
- + Video graphic/ Paperless Recorder
- + Loop power Process Indicators
- + Digital Universal Panel Meters

#### **CONTROL SYSTEMS**

- + Hardware and Software of DELTA V
- + DCS of DELTA V
- + PLC S7-200, S7-300 and S7-400
- + DCS of SIEMENS





























#### TOOLS

- + Induction Heater
- + Complete Crane Systems
- + Chain Cutters
  - + Bearing, Bushing and Seal Drivers
  - + Bearing Heater
- + Gear Puller
- + Maintenance Kits
- + Relay Test Equipment
- + Battery Testing Equipment
- + Cable Testing and Fault Locating Test Equipment
- + Circuit Breaker Test Equipment
- + Multimeters and Clampmeters
- + Earth/Ground Resistance Test Equipment
- + Insulation Test Equipment
- + Loop and RCD Test Equipment
- + Portable Application Testers
- + Low Resistance Ohmmeter Test Equipment
- + Phasing Meters and Accessories
- + Power Quality Equipment
- + Oil Test Equipment
- + Recloser Test Equipment
- + Time Domain Reflectometers
- + Transformer Test Equipment



### **PRODUCTS**

### **BADOTHERM**



Diaphragm Seals & Solutions





Temperature Gauges & Thermowells



Pressure Gauges & Accessories Instrument Valves & Manifolds

#### **HEYL-NEOMERIS**





**PARAGON - SCIENTIFIC** 



HADRO

**APTEK** 

Instrumentation

Valves,

Fittings

Accessories

&



(AGV1MF)



#### **ORION - INSTRUMENTS**





INDUSTRIAL



PROCESS





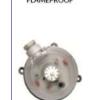
OTHER

FLAMEPROOF



OEM

COMPACT



### Northern Stars

### **DISTRIBUTOR LICENSES**





### **EXPERIENCE**

### **Instruments Calibration and Loop Checking Services**



Installation, commissioning and start up Instrumentation







NO	CUSTOMER	YEAR	LOCATION	SCOPE OF SERVICE
1	TTCL Viet Nam Corporation Limited	2019	Rohm and Haas Viet Nam Co., Ltd Road 5, Nhon Trach 3 Industrial zone, Nhon Trach district Dong Nai Province, Viet Nam	Electric & Instrument construction work for Viet Nam capacity expansion project (VD-101F)
2	Black & Veatch	2018	Duyen Hai 3 Extension	Calibration, Loop test field instrument and Supply manpower
3	TTCL Viet Nam Corporation Limited	2018	Rohm and Haas Viet Nam Co., Ltd Road 5, Nhon Trach 3 Industrial zone, Nhon Trach district Dong Nai Province, Viet Nam	Instrument construction work for DNP mobile worker project (VD-101D)
4	Sonion Viet Nam II Co., Ltd	2018	Road 12, Dong Xuyen Industrial Park, Rach Dua Ward, Vung Tau City, Ba Ria - Vung Tau Province, Vietnam	Testing equipment for Sub-Station system 1000KVA; Main distribution in panel and local panel maintenance; Capacitors maintenance.
5	Retroleum offshore trading and services J.S.C	2018	Nghi Son Refinery and Petrochemical Limited Liability Companay	Maintenance Procedure for Auxiliary Systems Gas Turbine Generator 6FA - GTG#1; 2
6	Phu My 3 BOT Power Co.,Ltd	2018	Phu My Industrial zone	Calibration services for temperatures sensors/ Transmitter; Heating ventilation air conditioning system maintenance services; Supply 1 lot of spare parts for TPX control cabinets.
7	PetroVietnam Gas services company - PetroVietNam Gas Joint Stock Corporation	2018	Dinh Co GPP, Thi Vai Terminal, Nhon Trach, Hiep Phuoc, GDC/GDS Phu My; Ca Mau GPP	Instrumentation Calibration/Verification.
8	Mekong Energy Co., Ltd	2018	Phu My Industrial zone	Service of yearly preventive maintenance and testing of automatic fire detection and control system; Performing to visual check, cleaning, testing and accuracy check/calibrate for instrument of fire water network.
9	RCR Infrastructure Vietnam	2018	Intel products Vietnam Co., Ltd	Instrumentation Calibration.
10	Vietnam Bluescope Steel (BSV)	2018	BSV Factory	Instrumentation Calibration and loop checking services.
11	Bien Dong POC	2018	Platform	Instrumentation Calibration.
12	Mechanical & Electric Equipment Repair Division - Joint Venture "Vietsovpetro"	2018	Onshore/Offshore job	Maintenance and testing of automatic fire fighting system.
13	PTSC Offshore Services (POS)	2018	Nasr (Abudhabi), Subsea 7, Phong Lan Dai, Lan Tay.	Supply manpower Elec.Precom/Com Tech; Ins.Precom/Com Tech.
14	Bosch VN	2018	Dong Nai province	Supply, Installation and Commissioning UPS 6 kVa / UPS 20kVa for Chillers system Maintenance of GT fire fighting system;
15	Mekong Energy Co., Ltd	2018	Phu My Industrial zone	Service to check, recalibrate, replace for instruments at GTs; Service for auditing C&I tool; HRSG #2 CV actuator yearly preventive maintenance; Instrument calibration.
16	PTSC Offshore Services (POS)	2018	H1-WHP, Chim sao, HUC COW FMB (Qatar), HUC LCP - Badamyar (Myanmar), Su tu trang Full field,	Supply manpower Elec.Precom/Com Tech; Ins.Precom/Com Tech.

NO	CUSTOMER	YEAR	LOCATION	SCOPE OF SERVICE
17	Petroleum offshore	2017	Nghi Sơn Refinery and Petrochemical Limited Liability	Maintenance Procedure for Auxiliary Systems
17	trading and services J.S.C	2017	Companav	Gas Turbine Generator 6FA - GTG#1
18	Bien Dong POC	2017	Platform	Instrumentation Calibration.
19	Vietnam Bluescope Steel (BSV)	2017	BSV Factory	Instrumentation Calibration and loop checking services.
20	PetroVietnam Gas services company - PetroVietNam Gas Joint Stock Corporation	2017	Dinh Co GPP, Thi Vai Terminal, Nhon Trach, Hiep Phuoc, GDC/GDS Phu My	Instrumentation Calibration.
21	Black & Veatch	2017	Duyen Hai 3 Extension	Calibration, Loop test field instrument and Supply manpower
22	Bosch VN Posco Engineering &	2017	Dong Nai province Ca Mau GPP	Calibration, Equipment Supply, Installation and Commissioning of the Temperature and Humidity Systems; Installation and PLC program for S7 1200 Calibration, Loop test field instrument and Supply
23	Construction Co., Ltd Mekong Energy Co., Ltd	2017	Phu My Industrial zone	manpowerYearly maintenance of GT fire fighting system;Service to check, recalibrate, replace for instruments at GTs;Service for auditing C&I tool; Auxiliary electrical equipment for gas turbine preventive maintenance
25	ABB Germany	2017	Phu My 2.2 Power Plant	Cable installation - Termination, testing CAT 7A
26	Bien Dong POC	2017	Platform	Calibration and supply equipment
27	Phu My 3 BOT Power Co.,Ltd	2017	Phu My Industrial zone	Calibration services for temperatures sensors/ Transmitter Pressure and differential transmitter maintenance services Temperature elements maintenace and Calibration services Heating ventilation air conditioning system maintenance services Fiber optic installation and testing
28	Ranger Department of Dong Nai Province	2016	Dong Nai province	Elephant conservation project - Electric Fence
29	PTSC Offshore Services (POS)	2016	PTSC Port	Supply manpower Elec.Precom/Com Tech; Ins.Precom/Com Tech; LOTO controler STT FFD
30	PTSC Offshore Services (POS)	2016	Badamyar- Myanmar	Supply manpower to installation equipment, instrumentation calibration
31	PTSC Offshore Services (POS)	2016	Qatar	Installation, instrument calibration, loop test
32	PVGas-Ca Mau Gas Processing Plant Project Management Board	2016	Ca Mau GAS Processing Plant project	Testing - Calibration - Verification & Loop Test
33 34	TTCL Viet Nam Corporation Limited TTCL Viet Nam Corporation Limited	2016 2016	Dong Nai High Pressure Project UFC 85/ Formaldehyde Plant Project	Electrical/Instrument installation works, calibration services and supply equipments Electrical/Instrument installation works, calibration services and supply equipments
35	TTCL Viet Nam	2015	Phu My Plastics and chemical	Instrument installation works, calibration services
36	Corporation Limited DongYang Vina E&C Co.,Ltd	2015	company Ltd Nghi Son Refinery Complex Project - Tinh Gia - Thanh Hoa	and supply equipments Testing - Calibration - Verification & Loop Test for INT-1 Pakacge
			Nghi Son Refinery Complex	Testing - Calibration - Verification

NO	CUSTOMER	YEAR	LOCATION	SCOPE OF SERVICE
38	JGCS Consortium	2015	Nghi Son Refinery Complex Project - Tinh Gia - Thanh Hoa	Testing - Calibration - Verification & Loop Test for INT 1 Pakacge
39	Formosa	2015	Formosa Manufactory	Testing - Calibration - Verification & Loop Test for Formosa Project
40	Phu My Fertilizer Manufactory	2015	Phu My Fertilizer - Phu My Industrial Zone 1	Testing - Calibration - Verification & Loop Test for Formaldehyde Project
41	Mekong Energy Co., Ltd	2015	Phu My Industrial zone	Calibrate safety relief valve; Service of fire detection system yearly preventive maintenance and function test; GT1 auxiliary electrical equipment preventive maintenance.
42	PTSC Offshore Services (POS)	2015	PTSC Port	Supply manpower Instrument Pre-com/Com Technician
43	PTSC Offshore Services (POS)	2015	Thai Binh-Vietnam	Supply manpower Electrical and Instrument Precom/Com Technician Thai Binh Ham Rong
44	Toyo-Thai Corporation Public Company Limited	2014	DAP2 Lao Cai Project	Heat tracing system installation; Calibration services and supply equipments, Instrumentation installation work for belt conveyor.
45	General Electric Company (GE)	2014	Phu My 2.2 Power Plant	Supply Equipment, Supply manpower to installation equipment, instrumentation calibration, loop test, recommissioning, maintenance services.
46	Granite Service International, Inc	2014	Phu My 2.2 Power Plant	Instrumentation Calibration and loop checking services, Part and consumables materials supply
47	Mekong Energy Co., Ltd	2014	Phu My 2.2 Power Plant	Electrical, instrument calibration, testing instrumentation, AC & DC Motor overhauls, Motor inspection, maintenance and upgrading.
48	Phu My 3 BOT Power Co.,Ltd	2014	Phu My 3 Power Plant	Instrumentation Calibration and Loop checking services.
49	PTSC Offshore Services (POS)	2014	Moc Tinh, Hai Thach, Hai Su Trang - Den, Ruby A, Ruby B, Su Tu Trang, Chim sao, Thang Long - Dong Do, Su tu Vang Offshore oilrig.	Supply manpower to equipment installation, instrument calibration, loop checking, hight voltage testing and recommissioning
50	PTSC Quang Ngai Petroleum Services Enterprise	2014	Dung Quat Refinery	Instrumentation Calibration and loop checking services
51	Petroleum Pipeline & Tank Construction Joint Stock Company	2014	Nha Be Steel Company	Instrumentation Calibration and Loop checking services.
52	Southern Petroleum Construction Joint Stock Company (ALPHA ECC)	2014	ALPHA-ECC	Tesing Hydraulic and Pneumatic diagram, Instrumentation Calibration.
53	Bien Dong POC	2014	Moc Tinh 1, Hai Thach 1, PQP Hai Thach	Instrumentation Calibration.
54	Nam Con Son Pipelines Company	2014	Nam Con Son factory	Instrumentation Calibration.
55	PetroVietnam Gas services company - PetroVietNam Gas Joint Stock Corporation	2014	Dinh Co GPP, Thi Vai Terminal, Nhon Trach	Instrumentation Calibration.
56	RCR Technical Infrastructure Vietnam Co.,Ltd	2014	RCR office in HCM City and calibration laboratory NSC	Instrumentation Calibration\Verifiacation.

NO	CUSTOMER	YEAR	LOCATION	SCOPE OF SERVICE
57	VUNG TAU SHIP BUILDING INDUSTRY & TRADE SERVICE JSC (SHINTRACO JSC)	2014	Vung Tau	Supply Equipment and Instrumentation Calibration.
58	Mechanical & Electric Equipment Repair Division - Joint Venture "Vietsovpetro"	2014	Vung Tau	Supply Equipment
59	JOINT VENTURE "VIETSOVPETRO"	2014	Vung Tau	Supply Equipment
60	JOINT VENTURE "VIETSOVPETRO"	2014	Vung Tau	Supply Equipment
61	Vietnam Bluescope Steel (BSV)	2014	BSV Factory	Instrumentation Calibration and loop checking services.
62	PTSC Offshore Services (POS)	2013	Moc Tinh , Hai Thach, Hai Su Trang - Den, Ruby A, Ruby B, Su Tu Trang, Rong Doi, Chim sao, Thang Long - Dong Do, Su tu Vang Offshore oil-rig	Supply manpower to equipment installation, instrument calibration, loop checking, hight voltage testing and recommissioning
63	PetroVietnam Gas services company(PVGAS Services)	2013	Dinh Co GPP, Thi Vai Terminal,	Valve Calibration services, supply absolute pressure transmitter
64	Mechanical & Electric Equipment Repair Division - Joint Venture "Vietsovpetro"	2013	VT 289/13-KT package and VT- 302-13/VMP package	Supplying of Floating, Submarine hose and Spare parts for FSO-2013 (VT- 289/13-KT) Supplying Fuel Oil Transfer Hoses and Floating Collars - VT-302/13-VMP
65	Toyo-Thai Corporation Public Company Limited	2013	DAP2 Lao Cai Project	Instrument installation works, calibration services and supply equipments
66	General Electric Company (GE)	2013	Phu My 2.2 Power Plant	Supply Equipment, Supplymanpower to installation equipment, instrumentation calibration, loop test, recommissioning, maintenance services
67	Granite Service International, Inc	2013	Phu My 2.2 Power Plant	Instrumentation Calibration and loop checking services, Part and consumables materials supply
68	Mekong Energy Co., Ltd	2013	Phu My 2.2 Power Plant	Calibration and maintenance services, C&I daily maitenance services (12 months)
69	Phu My 3 BOT Power Co.,Ltd	2013	Phu My 3 Power plant	Maintenance services, Flow meter calibration services, Maintenace low voltage circuit breaker type 3WWN6
70	Vietnam Bluescope Steel (BSV)	2013	BSVFactory	Instrumentation Calibration and loop checking services
71	Phu My 3 BOT Power Co.,Ltd	2012	Phu My 3 Power Plant	LV Motors overhaul, LV Motors Inpection, Switch Gear maintenance Service; Control pannel And Instrumentation Calibration and Loop checking services
72	Bio - Fuel Ethano Project	2012	Dung Quat Quang Ngai	Instrumentation Calibration
73	PVGas Service Company(DVK)	2012	Ca Mau Gas Intake Stations	Instrumentation Calibration
74	PTSC Offshore Services	2012	Offshore - Moc tinh 1 Platform	Installation & Commissioning for Electrical &
75	(POS) PTSC Offshore Services (POS)	2012	Offshore - RuBy A Platform	Instrumentation at Moc Tinh 1 Platform Installation & Commissioning for Electrical & Instrumentation at Ruby A Platform
76	PTSC Offshore Services (POS)	2012	Offshore - RuBy B Platform	Instrumentation at Ruby A Platform Installation & Commissioning for Electrical & Instrumentation at Ruby B Platform
77	PTSC Offshore Services (POS)	2012	Offshore - Su tu vang Platform	Installation & Commissioning for Electrical & Instrumentation at Su Tu Vang Platform

NO	CUSTOMER	YEAR From	LOCATION	SCOPE OF SERVICE
78	PTSC Offshore Services (POS)	May-12 to Now	Offshore - Bien Dong Platform	Installation & Commissioning for Electrical & Instrumentation at Bien Dong Platform
79	PTSC Offshore Services (POS)	July to Now	Offshore - Rong Doi Platform	Installation & Commissioning for Electrical & Instrumentation at Rong Doi Platform
80	PTSC Offshore Services (POS)	Jul-12	Vung tau and Offshore - Su tu trang Plantform	Installation & Commissioning for Electrical & Instrumentation at Bien Su tu Trang Installation & Commissioning for Electrical &
81	PTSC Offshore Services (POS)	Jun-12	Offshore - Chim Sao	Instrumentation at Bien Chim Sao Platform
82	Bio - Fuel Ethano Project	2011	Dung Quat Quang Ngai	Instrumentation Calibration and Loop checking/Commissioning services.
83	Dinh Vu Polyester Project	2011	Dinh Vu IZ – Hai Phong	Instrumentation Calibration and Loop checking/ Commissioning services.
84	General Electric Company (GE)	2011	Phu My 2.2. Power Plant	Instrumentation Calibration and Loop checking services. Parts and Consumables materials supply.
85	Mekong Energy Co., Ltd	2012	Phu My 2.2. Power Plant	Fiber optic installation and testing
86	Mekong Energy Co., Ltd	2011	Phu My 2.2. Power Plant	C&I Daily Maintenance Services (12 months).
87	PV Gas Service Company (DVK)	2011	GPP, GDS, GDS, Nhon Trach, Ca Mau	Instrumentation Calibration
88	General Electric Company (GE)	2010	Phu My 2.2. Power Plant	Instrumentation Calibration and Loop checking services. Parts and Consumables materials supply.
89	Mekong Energy Co., Ltd	2010	Phu My 2.2. Power Plant	C&I Daily Maintenance Services (12 months).
90	Mekong Energy Co., Ltd	2010	Phu My 2.2. Power Plant	Service for checkvalves of HRSGs, ST & BOP.
91	Mekong Energy Co., Ltd	2010	Phu My 2.2. Power Plant	Preventive maint. and testing of fire detection and control system.
92	Mekong Energy Co., Ltd	2010	Phu My 2.2. Power Plant	Service for preventive maint. of during GT1/ST overhaul and GT2 annual outage.
93	Phu My 3 BOT Power Co.,Ltd	2010	Phu My 3 Power Plant	LV Motors overhaul, LV Motors and Switch Gear maintenance Service; And Instrumentation Calibration and Loop checking services
94	Vietnam BlueScop Steel (BSV)	2010	BSV Factory	Instrumentation Calibration and Loop checking services
95	PV Gas Service Company	2010	Thi Vai LPG Terminal	Tank Radar Gauging System Verification, Calibration and Maintenance service.
96	PV Gas Service Company	2010	Dinh Co GPP, Thi Vai Terminal, GDC & GDS	Temperature Instruments calibration and loop checking service.
97	PV Gas Service Company (DVK)	2010	Ca Mau Gas Intake Stations	Instrumentation calibration
98	PetroVietnam Maintenance and Repair Joint Stock Company (PMC)	2010	Propylene Project	Instrumentation Loop Test, Commissioning and Start-up Services
99	Technip Consortium (TPC)	2010	Port of Dung Quat Refinery Project	Investigation, part supply, onshore repair and offshore replacement of damaged parts services for Maker Buoy
100	New Toyo Vietnam	2010	New Toyo Paper Factory	Pressure Gauges Verification Service
101	PetroVietnam Investment Consultancy and Engineering Joint Stock Company (PVEngineering)	2009	Propylene Project	Instrumentation Loop Test and Commissioning Services
102	Phu My 3 BOT Power Co.,Ltd	2009	Phu My 3 Power Plant	LV Motors overhaul, LV Motors and Switch Gear maintenance Service

NO	CUSTOMER	YEAR	LOCATION	SCOPE OF SERVICE
103	Vietnam BlueScope Steel (BSV)	2009	BSV Factory	Instrumentation Calibration and Loop checking services
104	Gas Project Enterprise (GPE)	2009	Propylene Project	Instruments Calibration and Valves Calibration/ Verification Services
105	Technip Consortium (TPC) PV Engineering Design	2009	Dung Quat Refinery Project	Instrument Commissioning Supporting Services.
106	Engineering and Constructing Centre (DEC)	2009	Dung Quat Refinery Project	Instrument Functional Testing Services Zone II
107	MODEC	2009	Cuu Long MV19 LACT	Instruments calibration.
108	PV Gas Service Company (DVK)	2009	Ca Mau Gas Intake Stations	Pressure Gauges calibration
109	GTSi — Thailand	2009	Phu My 2.2. Power Plant	Instrumentation Calibration and Loop checking services.
110	Mekong Energy Co., Ltd	2009	Phu My 2.2. Power Plant	C&I Daily Maintenance Services (12 months).
111	PV Gas Service Company	2008	Gas Service Company	Consultancy Contract on establishment the ISO/IEC 17025:2005 Calibration Laboratory
112	PV Gas Service Company	2008	Thi Vai LPG Terminal	Tank Radar Gauging System Verification, Calibration and Maintenance service.
113	PV Gas Service Company	2008	Dinh Co GPP, Thi Vai Terminal, GDC & GDS	Temperature Instruments calibration and loop checking service.
114	Phu My 3 BOT Power Co.,Ltd	2008	Phu My 3 Power Plant	LV Motors overhaul, LV Motors and Switch Gear maintenance Service; And Instrumentation Calibration and Loop checking services
115	PV Gas Service Company (DVK)	2008	Ca Mau Gas Intake Stations	Pressure Gauges calibration
116	GTSi – Thailand	2008	Phu My 2.2. Power Plant	AC & DC Motor Overhaul. Instrumentation Calibration and Loop checking services. PSV Maintenances.
117	Mekong Energy Co., Ltd	2008	Phu My 2.2. Power Plant	Instrumentation Calibration and Loop checking services.
118	MODEC	2008	Cuu Long MV9 LACT	Instruments calibration.
119	Mekong Energy Co., Ltd	2008	Phu My 2.2. Power Plant	C & I Daily, Maintenances supports (12 months)
120	GTSi – Thailand	2007	Phu My 2.2. Power Plant	AC & DC Motor Overhaul. Instrumentation Calibration and Loop checking services. PSV Maintenances.
121	PT. ANEKA KREASI LOGAM - Malaysia	2007	VSP Yard	Installation HVAC System
122	ABB Singapore	2007	Go Dau - My Xuan and Phu My IZ	Installation/Termination & Calibration of the Phu My – Go Dau Control System Phase II.

### **INTERNATIONAL COLLABORATION**

NSETS focus on collaboration with the international Companies for long term cooperation in Fabrication and Installation Industrial Equipment such as: Electrical, Instrumentation, Oil & Gas Equipment and Industrial Chemical.

Our is being partner of Brasten, Badotherm, Paragon, Sormec (Offshore Cranes). Our also start working with as Schneider about instrumentation equipment. In addition, NSETS are working with other partner about Water Treatment Equipment, Oil and Gas Equipment such as: Goshu-Kohsan (Japan) Griffin (UK), Sunway (Singapore), Ega Master (Spain), Kendrion (UK), Misia (Italy)...









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### **COMPANY ACTIVITIES**



### **RECOMMENDATIONS & AWARDS**











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Net an interest

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