



# OPS Oilfield Equipment and Services Ltd.

## INSPECTION SERVICES



ISO 9001:2015 Certified  
ISO 14001:2015 Certified  
ISO 18001:2015 Certified



### OFFICE LOCATIONS:

#### Phitsanulok

198/2 Moo 17, T. Nongkura, Bangrakam, Phitsanulok 65140

#### Head Office

Forum Tower 184/141 Ratchadaphisek Road Huai Kwang Bangkok 10310

#### Sattahip Office

117/44 Moo4, Road 332 Plutaluang, Sattahip, Chonburi 20180

#### Ranong

Sinpara Port 115/16 Syranong Praknam Road, Ranong 8500

#### Songkhla Office

45/5 Moo6 T. Sathingmor A. Singhanakorn, Songkhla 90280

### HISTORY

OPS Oilfield Equipment & Services Ltd. (OPS-OES) was established in March 2010, since then the services been expanded following the market demand and requirements, this including the Inspection Services which was set-up and established with its main facility in Sattahip during Q2-2010 and thereafter set-up with bases in Phitsanulok, Songkhla and Ranong.

The inspection bases are strategically located within the major oil & gas concessions in the country. Our inspection management team are a combination of experienced expatriates and local staff together with a fully trained/certified team of inspectors and technicians, all with the skills, training and certification required for their profession.

The inspectors are fully trained and certified level II and III , meeting the requirements of ASNT-SNT-TC1A.

For inquiries, email to: [RolandC@opsoes.com](mailto:RolandC@opsoes.com) & [Olep@opsoes.com](mailto:Olep@opsoes.com)  
[www.opsoes.com](http://www.opsoes.com)



# INSPECTION, HARBANDING, NDT, HYDROTESTING AND CALIBRATION

## CURRENTLY OFFERED SERVICES:

Drilling / Completion String Inspection & Maintenance

OCTG Tubing Casing Inspection, Maintenance & Management

Hard Banding Application

Nondestructive Testing (MPI / DPI / UT / Visual / Load & Hardness Testing / Borescope Inspection)

Hydro Testing

Rig Equipment Inspection

Gauge-PRV-Chart Recorder Calibration Services

Load Testing

HP Hose Borescope & Hydrotest

Equipment Rental

MODU Inspection and Survey Services

Rope Access Services & Projects

DROPS Survey

Derrick Bolt Torque Check

Helicopter Deck Inspection & Certification

Helicopter Refueling System Inspection & Certification



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## DRILLING / COMPLETION STRING INSPECTION



### Standard Drill Pipe

DS-1 Vol. 3 Category 1 to Category 5 Inspection Program

*Visual Connection/Tube , OD Gage, MPI Slip /Upset, UT Thickness Test, Heat Checking, Dimensional Inspection, EMI, UT Slip/Upset, Black light Connection*

**Additional Services:**

*Shoulder Re-facing, OD/ID cleaning & coating , Borescope Inspection*



### Heavy Weight Drill Pipe & Drill Collar

DS-1 Vol. 3 Category 1 to Category 3-5 Inspection Program

*Visual Connection, MPI Slip/Upset/Centerpad, Blacklight Connection, Dimensional 3, Elevator Groove Inspection*

**Additional Services:**

*Shoulder Re-facing, OD/ID Cleaning & Coating , Borescope Inspection*



### BHA & Specialty Tool Inspection

DS-1 Vol. 3 Category 1 to Category 3-5 or Vol. 4 Specialty Tool Inspection Program

*Visual Connection Inspection, MPI Slip/Upset/Centerpad, Blacklight Connection, Dimensional Inspection, Pressure Testing*

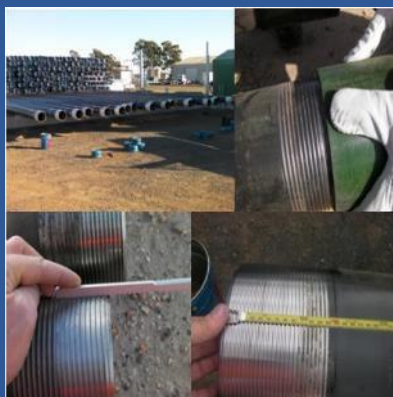
**Additional Services:**

*Shoulder Re-facing, Borescope Inspection*



## OCTG TUBING - CASING INSPECTION & MAINTENANCE

Highly qualified and certified professional inspectors trained specifically for this task will satisfy your requirement. Inspection, management, inventory, maintenance and repair is conducted in accordance with API, manufacturer's or client's specification whichever is applicable and required. Inspection of any tubing and casing types, including pup joints of all sizes.



**Inspection is carried out in Accordance with API RP 5A5, 5C1, 5CT or as per client/manufacture's Specification whichever is applicable.**

Scope of Services includes but not limited to:

*Visual Thread Inspection, Visual Body Inspection, Full Length Drift Test, UT Wall Thickness Test, Full Length EMI 1 (optional) Hydrostatic Testing, Storage and Management*



**Maintenance Work as per API or client specifications & choice of coating product to be applied.**

Scope of Services Includes:

*Clean & re-dope connections, Full Length Internal/External Cleaning and Coating, Re-stencil pipe specification, Re-paint coupling and pipe color code identification, Storage and Management*



**Additional Services:**

*Minor field repair on connection, Borescope Inspection*

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## HARDBANDING

### Fully automatic PLC controlled Hard Banding unit:

Our mobile Hard Banding Applicator Unit mounted in a 20FT container is a fully automated unit, PLC controlled, designed for optimum performance, safe operations, environmentally friendly and quality performance. Application is performed in accordance with ASME 9, Wire manufacturer's procedure, DS1/API or Client's Specification. Having the mobile HB unit results in low cost and efficient services to our clients at any location. Hard banding operations can be performed at the same location where the inspection is being performed, reducing the tubular logistic cost.



OPS-OES is certified hard banding applicator of the following International types of wires:



# NON DESTRUCTIVE TESTING & HP HOSE BORESCOPE-HYDRO TEST



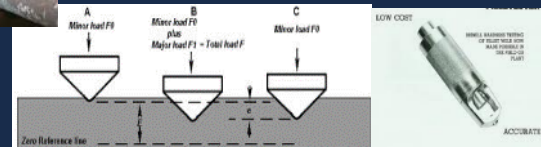
Our NDT services is available onshore and offshore. OPS NDT Inspectors are highly skilled, certified professionals level II and III, well trained and are readily available on short notice both on and offshore assignment. OPS NDT guarantees that inspection and test performed in accordance with specific procedures and highest SSHE standards.



## Magnetic Particle Inspection



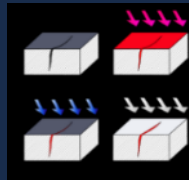
## Hardness Testing



## UT Flaw Detection & Thickness Test



## Load Testing & Visual Inspection



## Dye Penetrant Inspection



## Borescope Inspection







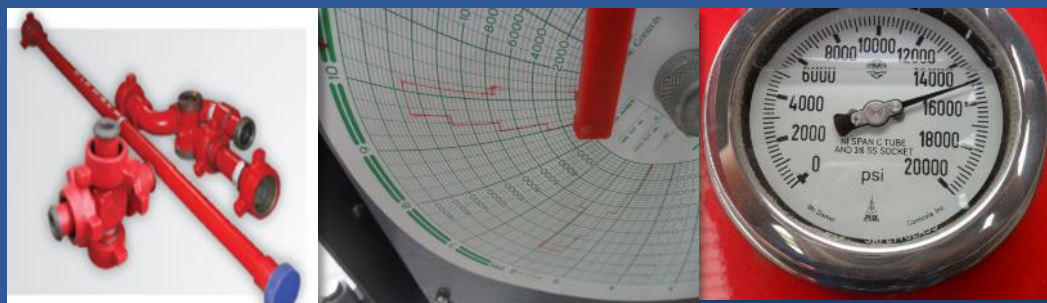
## HYDRO TESTING SERVICES

Every OPS inspection base is equipped with hydro test bay. Test bays in each location are designed for safe and efficient testing. Hydro testing at remote locations can be serviced readily with our mobile hydro testing containers, built to highest standard steel/wood walls for optimum safe operations. The p-test lines are fed thru the wall to the test area with the operator working safely at the built-in operator safe cabin. The test unit is equipped with lifting hoist, barriers, warning devices and SSHE signs. Tests are performed by experienced technicians and crew, equipped with all of the required training/certification for the profession. The test equipment such as pumps, gauges & chart recorders are all of international brands, duly calibrated and certified. Hydro tests are performed in accordance with ASME standards, OPS Hydro testing IOP, manufacturer's or client specification. As safety aspect, OPS recommends that applicable NDT be performed prior to hydro testing on any pressurized equipment.



### OPS-OES Tests:

*Chiksan / Flow line , Oil / Water / Air /Gas Tank, Pressure Relief Valve, Riser Spool, X-mas tree, BOP, Blind Flange, Pressurized flow lines, Kill/Choke Manifolds, Well Control Equipment,, etc.*



### Additional Services:

*Seal / O-ring replacement  
Re-dressing  
Iron repair & maintenance  
Tagging with permanent identification band  
Cleaning & painting  
Borescope Inspection*

## API RIG & EQUIPMENT INSPECTION



### OPS-OES inspects:

*Rig Structure, handling tools, lifting/hoisting equipment and accessories, BOP, pressure lines, travelling block, links, skids, swivels, containers, pumps, and other rig accessories*



### Scope of Services:

*Inspection in accordance related API specifications, API RP8B Category I to V, Disassembly Replacement of defective components, Cleaning & re-greasing movable parts, Repainting, Minor repair, etc.*



### OPS Tagging System:

*This tagging system was developed in compliance with API RP8B recommendation which states that "inspection frequency applies to the equipment in use during the specified period". Equipment that has passed an API RP 8B inspection will be tagged and in time for the due date of next inspection, equipment found to have intact seals indicates that the equipment has not been put in service during the specified period and therefore the result of the last inspection will be considered valid and the equipment don't have to be re-inspected.*





## PRESSURE GAUGE – PRV – CHART RECORDER CALIBRATION SERVICES

Due to heightened requirements from regulatory bodies and customer's internal quality assurance guidelines, equipment calibration is becoming more important to the industry. OPS – OES provides on-site and in-the-lab pressure gauge and chart recorder calibration using high accuracy, NIST traceable pressure calibration standards. Our pressure calibrator uphold industry leading accuracies of 0.05% (full scale). This level of accuracy ensures 4:1 accuracy ratio compliance even for customers who maintain the most stringent process tolerances. Upon completion of calibration, certificates with information on as-found data, as-left data, test point deviations, instrument tolerance and instrument operating range.



We follow formal, documented procedures when performing calibration. These calibration procedures are maintained in our quality system, pursuant to document control guidelines.



If client require specific test points for an instrument, we will use those test points when performing the calibration. If not, we prefer to use a minimum of five test points to establish linearity.

We calibrate instruments throughout their full ranges unless client requests that a calibration be performed over a more narrow, application specific range, or at a point of use. If the instrument fail the as-found calibration, we automatically attempt to adjust it so that It passes the as-left calibration

## LOAD TESTING & HYDRAULIC PAD EYE TESTER

OPS-OES has designed and developed a hydraulic pad eye tester that is capable of pulling up to 30 ton and is capable of testing on any pad eye position. Now OPS-OES clients are ripping the benefits that this pad eye tester has brought to them. Using this pad eye tester eliminates the need for a weight to pull, crane, lifting accessories as well as manpower which aside from too costly, arrangements before a test can be done is very time consuming and a lot of hustle involved. Load testing offshore never been easy until OPS introduced this hydraulic pad eye tester. Below are some images of the OPS-OES pad eye tester in action offshore.





## HELICOPTER DECK & HELICOPTER REFUELING SYSTEM INSPECTION & CERTIFICATION

OPS-OES performs and offer Helicopter Deck & Helicopter Refueling System Inspection and Certification according to CAP 437, Edition 8, December 2016.

The OPS-OES Surveyors located in Thailand and can mobilize with short notice call-out.

### INSPECTION SCOPE OF WORK

- Helicopter operational procedures
- Helideck and obstacle free sectors
- Competence of Helideck Crew
- Fire-fighting and rescue equipment
- Emergency Response Planning
- Communication procedures
- Refuelling Procedures & Observation

### PROCEDURES & CRITERIA

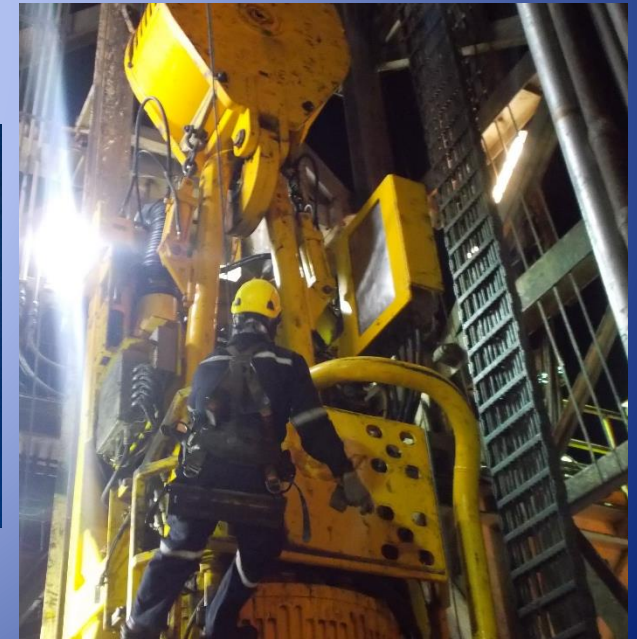
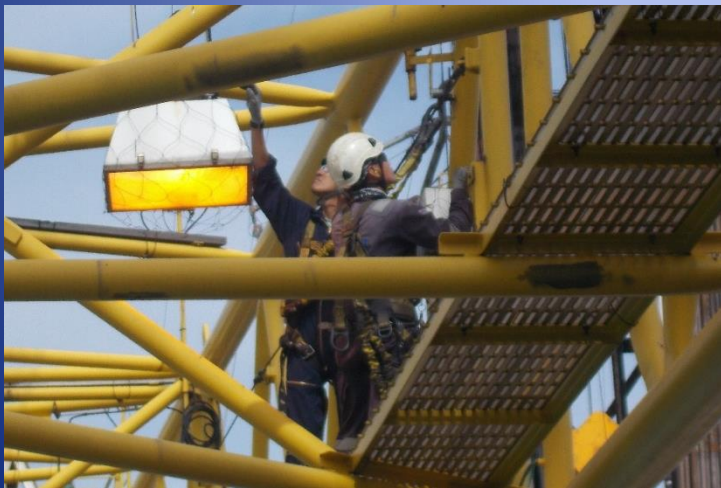
- OGP Guidelines and Guidance for Aircraft Operations
- UK CAA Civil Aviation Publication (CAP) 437 Edition 8
- ICAO Annex 14 Vol 2
- JAR-OPS 3 Section 2
- ASD 904 Regulations
- EASA Part-OPS, Annex VI Part SPA
- International Best Practice - Offshore Procedures
- CAAT (Civil Aviation Authority of Thailand)
- Client specific requirements



## DROPPED OBJECTS PREVENTION SCHEME (DROPS) SURVEY

The objective of the DROPS survey is to carry out a comprehensive and detailed inventory of all equipment at height within designated inspection areas. The purpose of which is to protect personnel and equipment by eliminating dropped object hazard.

OPS-OES performs the process of identification, assessment, elimination, control and monitoring of potential dropped objects for our clients in accordance with the internationally recognized DROPS Recommended Practice and DROPS Reliable Securing manual.







## INSPECTION EQUIPMENT RENTAL SERVICES



**55 Ton Calibrated Safe-T-Weigh Load Cell**

Standard Size:	55 Ton
Material:	Lightweight & High Strength Aluminum Link Body
Proof Load:	150% Working Load Limit
Ultimate Load:	7 Times Working Load Limit
Radio Frequency:	2.4GHz - Worldwide License Exempt
Range:	Minimum 100 metres
Display Type:	LCD - 15mm Digits with Backlighting
Battery Life:	70+ Hours
Battery Type:	Link- 2 x type AA / Handheld- 4 x type AA
Accuracy:	± 1% of ACTUAL Reading
Operating Temperature:	-10°C to +40°C



**0-20,000 & 0-30,000 PSI HYDROSTATIC TEST PUMP**

Pressure Type	Air-driven piston pump
Pressure Range	0-20,000 & 0-30,000 PSI
Hydrostatic Pressure Gauge	Dual 4" dial gauges, chrome benzel, 0.5% accuracy, full scale . Come with calibration certs.
Pressure Recorder	Available up to 20,000 PSI with single pen
Hydrostatic Hose	3/8" hose x 10 feet long with high pressure quick disconnect x 3/8" MPT on one end
Dimensions	15" x 15" x 36 L x W x H
Weight	65 lbs

*Also Available for rent:*

**24-TON WEBBING SLING, PRESSURE CHART RECORDERS, PRESSURE GAUGES**

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## CCU's & TOTE TANK INSPECTION & RENTAL SERVICES



OPS OES are the exclusive agent for Ferguson / Hoover for DNV 2.7-1 approved offshore containers

We have Fleet of rental units available in Sattahip and Songkhla to support Thailand and Myanmar Market

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## OPS-OES CLIENTS

Since 2010 , OPS inspection has been providing a 'Second to None' inspection services to the following clients to name a few:

Major Operators

Drilling Contractors

Third Party Contractors

### CLIENT LIST - TRACKING RECORD - SATISFACTION SURVEY

At OPS-OES, we are proud to say that our inspection services has been highly commended by our continuously growing list of Clients.

We are committed to support and follow any of the Clients requirements as our goal to continuously improve and raise the safety and standards of the OPS-OES inspection services.

Through innovative thinking and with a commitment to excellence, we strive to set new standards for the industry. Quality, Service & Safety are our benchmark...with

**OPS Oilfield Equipment and Services Ltd.,**

nothing is routine and we aim to be

**'Second to None'**

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