

# NDT PWHT LIFTING OCTG



## TESTING & INSPECTION SERVICES







# RAISING SAFETY STANDARD



## WHO WE ARE?

PT Inspektindo Sinergi Persada was established in August 2005.

Supported by global network companies with over 130 years of experience management team with an average of 30 years experience in Lifting, NDT, OCTG and PWHT (Post Weld Heat Treatment) operations.

The team consist of more than 185 Engineers and Inspectors with high qualification ranging from Bachelor of Engineering to Master Degree equipped with experience starting from 10 years to 30 years.

## BUSINESS CULTURE

PT Inspektindo Sinergi Persada works based on professionalism, teamwork and respect. This factor is our backbone to achieve highest business performance development. We built strength by synergizing all our potential capabilities through the team work to achieve the goal.

## HUMAN RESOURCES

PT Inspektindo Sinergi Persada commit on improvement over the time by recruiting qualified and capable engineer, inspector and technicians as per requirement needs on each services. We built their skill by conducting internal and external competence training and building relationship for loyal employees as partnership.

## QUALITY COMMITMENT

Our commitment is „high quality and focus on customer satisfaction in every products and services“. In the implementation it will be applied by putting as priority for all our client and representatives requirements and specifications and built trust with all customers during doing the projects.



**Schlumberger**

**APEXINDO**

**Technip**

**TOTAL**



**PETRONAS**



**PERTAMINA**



**LafargeHolcim**



**SAIPEM**



**ConocoPhillips**

**BINA PERTIWI**  
UNITED TRACTORS INDUSTRY & UTILITY SOLUTIONS  
member of **ASTRA**

**MI SWACO**  
A Schlumberger Company

**HALLIBURTON**



PT WIJAYA KARYA (Persero) Tbk.



**Weatherford®**

**WE ARE APPROVED COMPANY TO HANDLE PROJECT FOR :**

- ✓ Schlumberger Geophysics Nusantara
- ✓ Dowell Anadrill Schlumberger
- ✓ MI-Swaco Indonesia
- ✓ Chevron Pacific Indonesia
- ✓ Petronas
- ✓ Wijaya Karya
- ✓ Bina Pertiwi - United Tractor
- ✓ Saltire Energy
- ✓ Conoco Philips
- ✓ Cameroon Schlumberger
- ✓ Holcim Lafarge
- ✓ CSTS
- ✓ Sulzer
- ✓ Saipem Indonesia
- ✓ Baker Hughes
- ✓ Apexindo Pratama Duta
- ✓ Halliburton
- ✓ Weatherford
- ✓ Pertamina Hulu Mahakam
- ✓ Pertamina Hulu Kalimantan Timur
- ✓ Technip
- ✓ Sparrow Offshore
- ✓ Total E&P Indonesie
- ✓ LNG BP Tangguh

Email : [sales@inspektindo.com](mailto:sales@inspektindo.com)



# NDT INSPECTION

- DYE PENETRANT INSPECTION
- MAGNETIC / PARTICLE TESTING
- ULTRASONIC TESTING
- RADIOGRAPHIC TESTING
- PMI [Positive Material Identification]
- EDDY CURRENT TEST
- EMI for Tubular Inspection [Electromagnetic Testing]
- E-MAG for Wire Rope Testing
- HARDNESS TEST
- FERRITE TEST
- BORESCOPE



Email : [sales@inspektindo.com](mailto:sales@inspektindo.com)



# HEAT TREATMENT | PWHT

PRE HEAT TREATMENT & POST WELD HEAT TREATMENT

## ✓ PRE HEAT TREATMENT

Preheating involves heating the base metal, either in its entirety or just the region surrounding the joint, to a specific desired temperature, called preheat temperature, prior to welding.

## ✓ POST WELD HEAT TREATMENT

Post Weld Heat Treatment (PWHT) is a controlled process in which a material that been welded is reheated to a temperature below its lower critical transformation temperature, and then it is held at that temperature for a specified amount of time.

## ✓ STRESS RELIEVING

By the time it's complete, the welding process can leave a large number of residual stresses in a material, which can lead to an increased potential for stress corrosion and hydrogen induced cracking. PWHT can be used to release these residual stresses and reduce this potential. This process involves heating the material to a specific temperature and then gradually cooling it.





# LIFTING INSPECTION SERVICES



## LIFTING GEAR INSPECTION

Visual inspection and dimensional conformity, Proof Load test, Non Destructive Test and Destructive Test. (Wire Rope Sling, Chain Sling, Webbing Sling, Shackle, Hook, Turnbuckle, Master Link, Pad Eye, C-Hook, etc)

## LIFTING EQUIPMENT INSPECTION

Refer to LOLER (1998) Regulation 9, lifting equipment for lifting person shall be thoroughly examined at least every 6 months and other lifting equipment at least every 12 months.

## WIRE ROPE INSPECTION

We offer full length internal and external wire rope examination to establish the condition of the rope and assess whether or not it is fit and safe to remain in service by Visual Examination and NDT E-Mag Examination.

With more than 185 permanent staff of Lifting Engineer inspector qualification (LEEA Certified, MIGAS Certified/Certified DISNAKER Crane Inspector, EVITA Certified Wire Rope Inspectors, NDT Level II Certified, IRATA or Working at Height Certified, etc) which cover the following :

- Provision of Inspection and Testing Certification of Lifting Equipment & Lifting Gears (Cranes, Forklift, Hooks, Chain Blocks, Wire Rope Slings, Shackles Turnbuckles, etc)
- Inspection of Offshore & ISO Container
- Proof Load Testing of Lifting Equipment & Lifting Gears, c/w Test Bed machine with capacity up to 1000 tonnes



[sales@inspektindo.com](mailto:sales@inspektindo.com)





## PROVISION OF DRILLING MATERIALS & EQUIPMENT INSPECTION SERVICES

We provide Inspection of Drilling Materials and Equipment Inspection Services as per Category 1,2,3,4,5 of DS-1 or Standard, Moderate and Critical Inspection of API RP 7G-2 Drilling Materials and Equipment which required to be inspected and certified periodically as : Drill Pipe, Tool Joint, Drill Collar and HWDP Tool Joint, HWDP Welded Pup Joint and Integral Pup Joint.

Equipped with complete NDT equipments and Certified Personnel, we could perform all inspection category as per required within DS-1 or API RP 7G-2 such as : Visual Inspection, Visual Connection, OD and ID measurement, Thread Profile Check, Heat Checking Inspection, UT Thickness, UT Flaw Detection, Magnetic Particle Inspection, Liquid Penetrant Inspection and Electromagnetic Inspection with Buggy Drive.

### FIELD INSPECTION

- ✓ WellHead Equipment
- ✓ Adapter Flange
- ✓ Casing & Tubing Head
- ✓ Hanger
- ✓ Gate Valve, Mud Gate Valve
- ✓ Ball Valve, Butterfly Valve
- ✓ Safety Valve, Check Valve
- ✓ Manifold
- ✓ Christmas Tree  
(Subsea & Surface Tree)
- ✓ QA/QC Services

### MILL INSPECTION

- ✓ Heat Treatment Process (PWHT)
- ✓ NDT Inspections
- ✓ Mechanical Properties
- ✓ Threading Process
- ✓ Makeup Process
- ✓ Coating and Marking
- ✓ Mn / Zn Phosphate
- ✓ Tin / Copper Plate



## 1. PERTAMINA Kalimantan Timur (3 Years Contract)

Scope :

### Site & Off Shore Inspection

- NDE for drilling tools (MPI, EMI, PMI, ECT)
- Witnessing of Function Test
- Buck - on inspection
- BHA inspection services

### Field Inspection Services

- NDE (UT, MPI, EMI)
- BHA Inspection Service
- Preservation Services  
(VTI, VFBI, Drift, Tally, Coating-Marking)

### Mill Inspection Services

- Heat Treatment Process
- Mechanical Testing
- Visual & Dimensional
- NDE Inspection (UT, MPI, EMI, PAUT)
- Hydrotesting/Collapse Testing
- Threading Process
- Gauging set up and inspection
- Coating & marking



### 2. **PERTAMINA Hulu Mahakam (3 Years Contract)**

Scope :

#### ■ **Lifting Inspection Services**

- LGI Inspection include NDE for MPI, UT and ECT
- Crane & Container Inspection
- Wire Rope Inspection with E-Mag

### 3. **SCHLUMBERGER GROUP (since 2009 - present)**

Scope :

#### ■ **Lifting Inspection Services**

- LGI Inspection include NDE for MPI, UT and ECT
- Crane & Container Inspection
- Wire Rope Inspection with E-Mag

#### ■ **BHA (Bottom Hole Assembly) Inspection**

- NDE for well services tools
- Visual and Dimensional test based on DS-1 Vol. 3 & 4

### 4. **PETRONAS (3 Years Contract)**

Scope :

#### ■ **Field Inspection Services**

- NDE (UT, PMI)
- Preservation Services  
(VTI, VFBI, Drift, Tally, Coating-Marking)



## 5. **HOLCIM Group (3 Years Contract)**

Scope :

### ■ **Lifting Inspection Services**

- LGI Inspection include NDE for MPI, UT and ECT
- Crane & Container Inspection

### ■ **Heavy Equipment Inspection**

- Visual Inspection
- NDE (MPI, EMI)

## 6. **CSTS (3 Years Contract)**

Scope :

### ■ **Assessment Personal for Lifting, Scaffolding, etc.**

## 7. **SAIPEM (2017 - 2019)**

Scope :

### ■ **NDE (RT, MT/PT, UT, PMI)**

- NDE Service for QA/QC scope
- NDE Service for T & I (Assembly and Hooked Up)

### ■ **PWHT**

- Offshore Pre Heat Services

## 8. **Others Ad Hoc project for : SULZER Groups, EAST-KAL, ENI, TECHNIP, SINGATAC, CSTS,BSSTEC, TOMOE, Etc.**

Scope :

### ■ **NDE Inspection Services**

- NDE (RT, UT, MPI, PT, PMI, Ferrite, Hardness, ECT)

### ■ **Lifting Inspection Services**

- LGI Inspection include NDE for MPI, UT, ECT
- Crane / Container Inspection
- NDE for Wire Rope using E-Mag





## SNI ISO IEC 17020 : 2012

Certified Inspection Body Accreditation



## ISO 14001 : 2015

Certified Inspection Body Accreditation



## OHSAS 18001 : 2007

Certified Inspection Body Accreditation



**Appointed as PI MIGAS for Certification of Lifting Equipment Migas**  
(PP MIGAS)



**Lifting Equipment Engineers Association (LEEA)**  
Full Member



**ASNT NDT Level 3 with MIGAS Registration (SKT MIGAS)**  
as permanent employee



**Member of MIGAS Inspection Company Association (APITINDO)**



**SKUP MIGAS as Local Company with 3 stars rating**



**Member of KEMNAKER Inspection Company Association**  
(PJK3 Riksa Uji)

### Certificate



### Lifting Equipment Engineers Association Certificate of Member 2019

We hereby certify that  
PT Rigspek Perkasa  
Indonesia  
having been audited in accordance with the Association's technical requirements specified in document reference LEER 042 has been admitted as a  
Full Member  
for the location(s) and scope of work detailed in the schedule bearing the same number as this certificate  
Certificate Number  
1552



For and on behalf of LEER

Date of Certificate -  
Date of expiry of Certificate - 31<sup>st</sup>

This certificate is the property of the Association and shall be returned on demand. It is not valid unless countersigned by the authority of the Association only. It is void and of no effect if altered or tampered with.

### Certificate





**Komite Akreditasi Nasional  
KAN**

**Sertifikat Akreditasi**

Nomor : **LI - 085 - IDN**

Telah menunjukkan kompetensinya sebagai

**LEMBAGA INSPEKSI - TIPE A**

Dengan mengimplementasikan secara konsisten

**SNI ISO / IEC 17020 : 2012 (ISO / IEC 17020 : 2012)**

Penilaian Kesesuaian - Persyaratan untuk pengoperasian berbagai tipe lembaga inspeksi



**The American Society for Nondestructive Testing , Inc.**

**ASNT**

Be it Known that **RONY PRAYITNO SIMEON** has met the established and published requirements for certification by **ASNT** as **NDT Level III**

in the following Nondestructive Testing Methods :

Visual Inspection

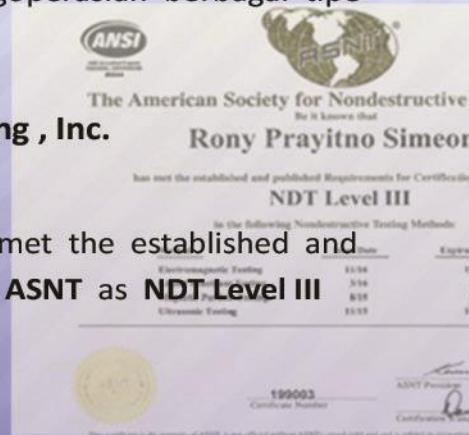
Electromagnetic Testing

Liquid Penetrant Testing

Magnetic Particle Testing

Ultrasonic Testing

Radiographic Testing



**Asosiasi Perusahaan Inspeksi Teknik Indonesia**

**APITINDO**

**ANGGOTA BIASA APITINDO**

Nomor : 0189 / 2007







CALL US FOR MORE INFO

+62 778 326 103 | 326 104 || email : sales@inspektindo.com

### JAKARTA | OFFICE

Sopo Del Office Towers & Lifestyle  
Tower A Lt. 16 Unit C  
Jl. Mega Kuningan Barat III Lot.10. 1 - 6  
Kawasan Mega Kuningan  
Kuningan Timur, Jakarta Selatan 12950  
Tel. +62 (0) 21 5080 6538 | 5080 6539  
+62 (0) 21 5080 6540  
Fax. +62 (0) 21 5080 6541

### BALIKPAPAN | OFFICE

Jl. Mulawarman No. 48 RT. 38  
Kelurahan Manggar  
Balikpapan Timur, Kalimantan Timur 76116  
Tel. +62 (0) 542 300 2225

### BATAM | OFFICE

Komplek Kawasan Industri Sekupang Kav. 13  
Sekupang, Batam  
Kepulauan Riau 29428  
Tel. +62 (0) 778 326103 | 326104  
Fax. +62 (0) 778 321388



Management  
Systems  
ISO 14001:2015  
OHSAS 18001:2007  
www.tuv.com  
ID 9105077832

