



# PT GAMMA BUANA PERSADA

## Company Profile

Inspection, Repair, and Maintenance Specialist  
Working at Height Specialist  
Rope Access Training Specialist



Member of :



Certified by :



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# GREETINGS

Great honor, thanks to all of our clients and relations. In this opportunity, we would like to introduce our company PT Gamma Buana Persada which was established in 1999 as a technical inspection company in Indonesia.



Our vision is to be a reliable company to all clients, which becomes an important part of our successful stories. To keep maintaining clients trust, we develop our human resources in order to increase the ability of our staff and technicians constantly.

The performance of our staff and technicians stimulates the effectiveness and economic management pattern. Our technician conducts the most current and effective methods as we follow technology developments. We service towards international standards, valuable experience, and integrated approach to provide professional and excellent performance and become the best in this industry field.

Regards,  
GBP Management Team



# OVERVIEW

## PT GAMMA BUANA PERSADA

Working at Height Specialist | Advance NDT Specialist | Inspection, Repair, and Maintenance Specialist

PT Gamma Buana Persada was established in 1999 in executing its services. PT Gamma Buana Persada conducts Training Services, Consultant Services, Inspection Services (Welding Inspection, Corrosion Inspection, and Oilfield Inspection or OCTG), Non Destructive Test, Certification Services (for example: Boiler, Pressure Vessel, Crane Inspection to Department of Labor or Directorate General of Oil and Gas of the Republic of Indonesia).



Operating since 1999, PT Gamma Buana Persada has given a considerable experience in serving the customer, our goal is to be a reliable partner in inspection. In our services we are supported by professional engineers, qualified and experienced personnel in NDT Services, Welding and Metallurgical Engineering plus skill of Rope Access.

# ROPE ACCESS SERVICES

PT GAMMA BUANA PERSADA began its career by providing teams of inspecting, maintaining, repairing and renovating the offshore platform. This as a solution to the companies which run their work with using rope access technique. This technique is used in the limited space in the environment with structures and machinery which take up too much of the space available, and it can also be used for emergency evacuation for the safety of people.

Rope Access Technique (RAT) was used on oil & gas company platforms, and today such requirements are almost universal for this industry. The worker can use RAT to get unreachable areas that were impossible with an affordable price. To get these services, clients inform us about their requirements.



PT. GAMMA BUANA PERSADA as a IRATA FULL MEMBERS for even more detailed and specialist work, and some of these tasks have involved ground-breaking procedures that have either substantially reduced the time required for the work, extended the life of the rig or its parts or enabled it to be altered and repaired without return to shallow water. Our rope access technicians have specialist qualifications relevant to inspection and maintenance to support our customer.



# NON DESTRUCTIVE TEST SERVICES

In NDT Services, we use the NDT method to examine your welding product, raw material and casting product with the following method:



## NDT ADVANCE

- Phase Array UT (PAUT)
- Internal Rotary Inspection System (IRIS)
- Thermography test
- Positive Material Identification (PMI) OES & XRF Type

## CONVENTIONAL NDT

- Dye Penetrant Test
- Magnetic Particle Test
- Ultrasonic Test
- Radiography Test
- Eddy Current Test
- Near Field Test (NFT)
- Remote Field Test (RFT)

## MAINTENANCE SERVICE

- Painting with RAT
- Mechanical working with RAT
- Wire Rope Scanning Inspection
- Wire Rope Tension Inspection



To support our customer with best reliability in inspection result, our NDT interpreter is qualified personnel, and they are certified according to ASNT-TC-1A and EN 473 OUR NDT personnel are certified as Level I, Level II and ASNT Level III, CSWIP or PCN.



# METALLURGY & CORROSION CONSULTANT SERVICES

## We offer Services

- Failure Analysis
- Lab-Metallography
- In-situ Metallography
- In-situ Spectro Analyzer

## Mechanical Test:

- Tensile Test
- Bending
- Impact
- Macrography
- Hardness Test (Vickers, Brinell, Rockwell)
- Creep Test
- Design protection cathodic using ICCP & SACP Method
- Installation and replacement anode
- Corrosion Monitoring System



## IN-SITU METALLOGRAPHY

In-situ Metallography is the method to perform metal structure which is very fast, accurate and without destructive to your material. This is suitable testing for metallurgical analysis on testing the subject, such as hot piping boiler, vessel, tank etc. The actual result of In-situ Metallography gives your data to determine the residual life of the tested object (Remaining Life Assessment).

## IN-SITU SPECTRO ANALYZER FOR POSTING TIME MATERIAL INSPECTION (PMI)

XRF Technology is the latest technology for In-situ Chemical Analyze. The result of this technology is very fast and accurate for elemental analysis (chemical composition analysis).

# WIRE ROPE INSPECTION SERVICES

PT Gamma Buana Persada offers a wide range of services in non-destructive testing of wire ropes and steel, as well as cord conveyor belts. Our experienced, well-trained and certified staff is prepared to perform on-site inspection, issue a test report, and provide a technical analysis result.



These results give us the opportunity to determine residual life of the tested object. Inspection are provided with consideration of Department of Labor and Oil & Gas of Indonesia regulations and also STM E 1571- 01 standard or European Norms (particularly EN12927-/7/8) requirements. Some typical objects inspected by PT Gamma Buana Persada.

- Cranes
- Industrial Ropeways
- Elevators
- Ship Lifting Installation
- Mining Hoisting Machines
- Conveyors
- Overhead Power Lines





# WELDING ENGINEERING SERVICES



We offer services:

Design for qualification WPS for all material types (Bi Metal or Dissimilar) according to ASME Sec IX, EN 288, API 1104 or AWS D1.1.

Welder qualification and welder operator test according to ASME Sec IX, EN 287, API or AWS D1.1

Welding technical services solution: thermite welding services, design optimization welding process: GTAW, SMAW and SAW.

# TRAINING SERVICES



In the training service, we provide training in the customer workshop (in-house training) or training that is conducted at PT Gamma Buana Persada office with material training, as following:

- Rope Access Technique (RAT) Level I, Level I1, Level II.





# INSPECTION SERVICES



## We offer Services:

- Welding Inspection
- Certification Services
- Oil Country Tubular Goods (OCTG)
- Boiler & Pressure Vessel Inspection
- Storage Tank, Piping, and Pipeline Inspection





# PHASED ARRAY ULTRASONIC TEST & TOFD

Phased array ultrasonics (PAUT) is an advanced method of ultrasonic testing that has applications specifically in industrial non-destructive testing. The PAUT probe consists of many small transducers, each of which can be pulsed independently. The beam can be steered electronically. The beam is swept, and the data from multiple beams are put together to make a visual image showing an indication through the object.



This method is an advanced NDT method that is used to detect an indication or defect such as cracks or flaws. This method is very efficient regarding the defect detection and speed of testing. The phased array can also be used for wall thickness measurements in conjunction with corrosion testing. The phase array can be used for the following:

- Weld Inspection
- Flaw Detection
- Thickness Measurement
- Corrosion Inspection



Phase Array UT may apply to inspect boiler tube, piping system, riser, pipeline, and failure or defect detection on specific causes. It has been acknowledged that Phase Array detection has the same characteristic as with Radiography Test.

TOFD is an easy and efficient approach for primary detection of weld defects. It is quick, cost-effective and capable of sizing defects present in the volume of the weld, a problematic area for industrial material defects.

# WEB PLATFORM NETTING (WEBNET)

Webnet is a tension netting system which provides a quick to install working platform to work areas at height. There is no tension netting system comparable to WEB Net. WEB Net tension netting provides a walk-on work platform suitable for a wide variety of work tasks, as following:

- Inspection
- Surface preparation and coating application
- Steelwork repairs
- Pipework installation and repairs
- Corrosion Inspection and Installation Cathodic Protection

Web Platform Netting is actually an advance rope access method that provides significant access to people that do not have IRATA certification.

The Benefit Of Webnet/ Webdeck:

- Faster installation and dismantling time reduce costs: WEB Net tension netting cuts installation and dismantling time by about 75%.
- Lower transport & storage costs: WEB Net tension netting is approximately 5-10% of the weight and volume of scaffolding and therefore is easier and cheaper to transport. Storage space required on site and in the yard is also reduced.
- Lower load weight: WEB Net tension netting has a significantly lower load weight allowing it to be used on structures that do not have a high load capacity.
- Safer installation & dismantling: WEB Net tension netting is installed by rope access methods. Rope access is statistically safer than fall arrest methods used for scaffolding. In addition, the overall exposure to work at height time is reduced as the system is installed quickly.
- Fully compliant with all relevant regulations: Regulates with all aspects of UK Work At Height Regulations 2005. Light-weight system that complies with Manual Handling Regulations.

Webnet tension netting is made from High Tenacity Polyester which is UV stabilised for 5 years. The tension netting is knotted to prevent tearing. 5 Test Cord strips are attached to the net for annual testing to ensure continued strength of the tension net which complies with LOLER 1998 Each tension net has a unique ID and a tag identifying the specification. All rigging components are constructed by European manufacturers and supplied with a Certificate of Conformity, Test Certificate, and/or Proof Load Test and Identification Certificate.

Webnet Application

- Painting Under Deck
- Inspection under deck or under complicated structure
- Fall Protection
- Mechanical work under complicated structure area



# WEB PLATFORM DECK (WEBDECK)

Webdeck is another method that has the same function as Web Platform Netting. It is only different in the material as it used solid deck feature. Webdeck provides a solid and stable working platform which feels like scaffolding. Users are able to carry out a variety of heavy work tasks off the deck as if it were scaffolding. The system is suitable for many work areas including the under deck of jetties, rigs, bridges, and pipe racks. A webdeck system is fully engineered to the load requirement of a project and the structure it is rigged from.

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# PRESSURIZED HABITAT SYSTEM



Pressurized Habitat System is an advance safe habitat for hot work localization in a potential area. Pressurized Habitat contains pressurized air that pumps inside the habitat to push other unintended gas outside of the habitat. The system is also attached by inside and outside alarm system and gas detector to ensure safety performance in habitat.

Pressurized habitat system offers safe hot work localization, ensures no unintended gas entry and ensures no unintended gas outing that could be dangerous to the environment around the habitat system. The habitat is also utilized by lighting equipment and a safety signboard.



# CONTACT US



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