



COMPANY —

PRO- FILE

SERVICES
COMPILATION

BIRAWA ADHI PRATAMA
Manpower-Technical Services

TECHNICAL

ENGINEERING SERVICES

Safety
Quality
Integrity
Team Work

V.1 2022

“

WELL

Vision Without Action
IS A DREAM

CORPORATE MISSION STATEMENT

PT. BIRAWA ADHI PRATAMA formed in February 2015. we consist of Experienced personnel in Oil and Gas Industries, Manufacturing, Pipelines, Construction, Fabrication.

PT. BIRAWA ADHI PRATAMA, combines the capabilities of its highly skilled workforce and experience to develop and deliver effective solutions to complex projects tailored to meet the current and future challenges of local and international clients.

COMPANY PROFILE

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03

ROPE ACCESS

WHAT IS ROPE ACCESS?

Industrial rope access is a method of work positioning that takes climbing and abseiling techniques to provide a cost effective access solution to areas which would be otherwise inaccessible, impractical or unsafe, without the use of scaffolding, cradles or an aerial work platform.

Easier access to awkward or narrow areas. Rope access technicians can get access to all areas which ensure the integrity of plant and equipment is maintained.

APPLICATION :

- ☒ NDT (NON DESTRUCTIVE TESTING)
- ☒ ROPE ACCESS WELDING-(WELDER)
- ☒ CONFINED SPACE INSPECTIONS
- ☒ CORROSION ASSESSMENT
- ☒ STRUCTURAL SURVEYS

- ☒ PAINTING -BLASTING - COATING
- ☒ WATERPROOFING
- ☒ FIREPROOFING
- ☒ INDUSTRIAL COATING

- ☒ REPAIR & MAINTENANCE
- ☒ HIGH RISE BUILDINGS
- ☒ FACTORY
- ☒ BRIDGES
- ☒ CLEANING
- ☒ ALUMINIUM COMPOSITE PANEL
- ☒ HIGH BUILDING EKSTERIOR MIRROR WALL

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MANPOWER SUPPLY

We have the ability to source both locally and overseas the most qualified personnel to fill in your future projects. Their abilities cover the fields of mechanical, piping, qualified welder, instrumentation or electrical.

Determined for Teamwork, Quality, Commitment to Safety, Competitiveness, We cater the demands and needs of oil & gas companies, whether upstream or downstream, onshore-offshore locations, that need the support of qualified manpower.

We are able to deal with documentation from Visa, Work Permit, Medical Checkup, prior Mobilization since our crew are experience to work abroad

SKILLED WORKER

ONSHORE-OFFSHORE CREW

- Welder 3G-6G-6GR
- Welder GTAW-SMAW-FCAW-GMAW
- Automatic Welder (Saturnax)
- Pipefitter - Structural Fitter
- Line up Operator
- Rigger - Signalman - Banksman
- Scaffolder - Scaffolder Accessor
- Painter-Blaster-Coating
- Electrician
- Instrumentation
- Insulator
- Crane Operator

- Project Supervisor
- Construction Supervisor
- QA-QC
- Welding Inspector
- Coating Inspector
- HSE Officer
- Safety Man

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and more....Contact us for your project!





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WELDING HABITAT

Habitat is a tent made of flexible fire retardant panels designed to be enclosed over an area where hot work is performed in order to create an overpressure environment that acts as a barrier between an ignition source (hot work) and an explosive fire hazard (hydrocarbon). It is a portable and inflatable structure designed to facilitate hot work for use in hazardous areas.

It is a stand-alone system that does not require tie-in to vessel gas detection or control systems, or costly production shut downs. The fire retardant panels easily fit together to provide a pressurized environment, creating a safe enclosure when there is a requirement for hot work (welding, burning, cutting, grinding etc.) and electrical cabling in potentially hazardous areas.

APPLICATION :

- ☑ WELDING
- ☑ GRINDING
- ☑ CUTTING
- ☑ ABRASIVE BLASTING
- ☑ BRAZING
- ☑ SOLDERING

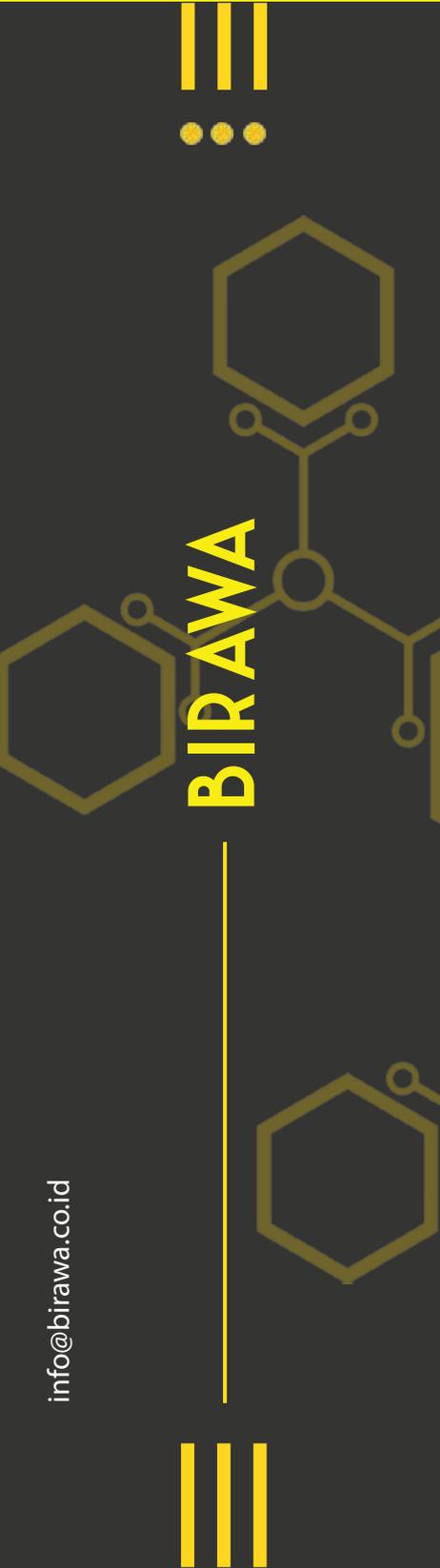
INDUSTRIES

Offshore Oil and Gas, Petrochemical, Refinery,

Floating, Production, Storage and Offloading, FPSO.

ALARM WARNING SYSTEM

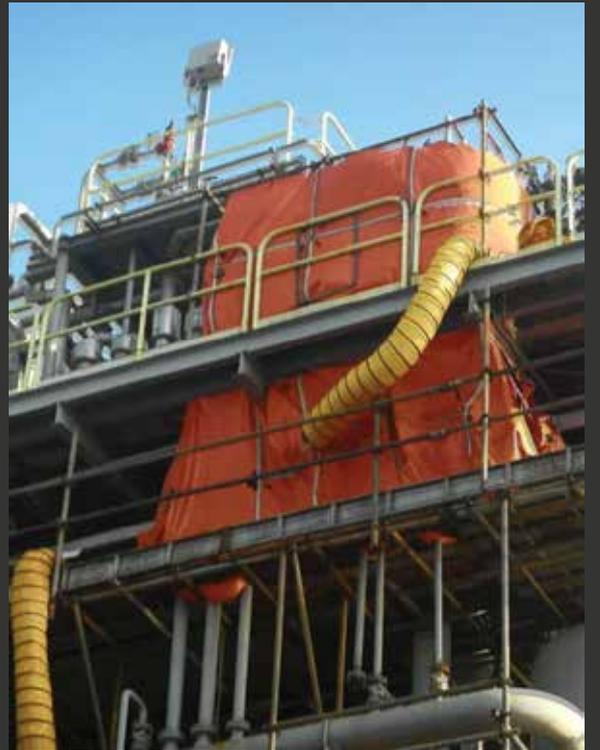
- ☑ Temperature >42 °C
- ☑ Emergency Alarm Activated
- ☑ Equipment Malfunction



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Dynamic size, modular system can be adapted to the work area.
Standard size is: 4m x 4m 2m.



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MACHINING

ENGINE-OVERHAUL FLANGE-FACING COLD-CUTTING

ENGINE-OVERHAUL

We offer Onsite Machining services for scheduled maintenance, construction, emergency repairs.

Our team are capable to assembly custom portable machine required to do the On-site-in situ machining, by previously site visit and determined the appropriate method and machines type.

This Service is very suitable for our client who have large Equipment, Engine, workpiece and required heavy cost to be removed or unable to be removed

FLANGE-FACING

Our Pneumatic Flange Facing Equipment is able to perform 2" - 12", 5"-24", 6"-30" Mount equipment so no matter the flange we can machine it in place, and all work is done to industry standards and specifications.

COLD-CUTTING

Cold cutting allows you to cut and chamfer your piping without generating flames or sparks in your system, which prevents any ignition of residual gases contained inside out-of-service lines.

Cold cutting machines allow us to cut and bevel pipe simultaneously, resurface flange faces and machine the inside diameter of a pipe with a counter bore or transition. With our integrated services and versatile equipment, we can simply mount a different attachment in the field with minimal delays.

Cold cutting Range :

2" - 24"

FUNCTIONS : Pipe Cold Cutting, Beveling, Facing, Counterboring

MATERIALS : Carbon Steel, Stainless Steel, Duplex, Inconel, etc

POWER : Pneumatic - Electric



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PWHT-HEAT TREATMENT

PWHT is a controlled process in which a material that has 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.

It is often referred to as being any heat treatment performed after welding; however, within the oil, gas, and petrochemical industries, it has a specific meaning. Industry codes, such as the ASME Pressure Vessel and Piping Codes, often require mandatory performance of PWHT on certain materials to ensure a safe design with optimal mechanical and metallurgical properties.

OUR SERVICES

- ☒ PRE HEATING
- ☒ STRESS RELIEVING
- ☒ DRY OUT
- ☒ PWHT ON PIPELINE
- ☒ PWHT ON SPHERICAL TANK
- ☒ PWHT ON STORAGE TANK
- ☒ TEMPERING
- ☒ SOLUTION ANNEALING
- ☒ INTERNAL-EXTERNAL GAS FIRING
- ☒ SOLUTION ANNEALING



BIRAWA offer a full range of on site heat treatment services, to the power industry, oil and gas, fabrication and casting industries.

Working safely and closely to meet the clients specific procedures and requirements, to enable a quality service at a competitive cost.

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COMPOSITE WRAPPING

We offer relentlessly distribution to ensure your existing pipeline, tank, pressure vessel and structure will works in its ideal and optimal condition. PT. Birawa Adhi Pratama provide the appropriate installation design and support.

Supported by leader in industrial leak repair. Using our range of composite repair products our team of highly-trained technicians ensure that your business stays online and productive regardless of challenging conditions.

OUR SERVICES INCLUDE - APPPLICATION - SOLUTION - PRODUCTS

- REINFORCEKit® 4D**
- STOPKit®**
- REFLANGEKit®**
- ROLLERKit®**
- REINFORCEKit® PATCH**
- REINFORCEKit® TANKIT**

- ☑ No Shutdown
- ☑ Quick Installation
- ☑ Onshore-Offshore
- ☑ No Hot Works
- ☑ No Heating
- ☑ No Pressure Limit



TANKIT® IMPLEMENTATION



VISIT OUR WEBSITE WWW.BIRAWA.CO.ID FOR MORE DETAIL SPEC.

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SPECIALTY COATING

Utilizing world leader - STOPAQ® eliminates adhesion and fixation problems to any substrate. Due to its fluid-like nature and linear visco-elastic properties, STOPAQ® systems prevent corrosion for life. Thermal friction stress or disbondment related to CP are no longer issues. Surface preparation according to ST-2 or SSPC-3 is sufficient. Severe wet and hot aging tests combined with CP current tests underwrite the guarantee period and a service life level expectancy of greater than 60 years..

We offer One package products and services utilizing STOPAQ® an Anti-corrosion and sealant system actively protect the structural object against the daily risk of corrosion.



OFFSHORE



ONSHORE



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CORROSION SOLUTION

We offer clients in Corrosion Mitigation, Failure Analysis, and Extending the service life of aging assets (above and below grade) in Corrosive Conditions.

Utilizing latest scientific knowledge with practical, proven solutions. We serve various Industries and , test a wide variety of samples including pipes, pipelines, tanks, transformers, rail, boilers, pumps.

PERFORMING METHOD

- ☑ FACILITIES CORROSION ASSESSMENT AND MITIGATION
- ☑ RISK ASSESSMENT
- ☑ PIPELINE DATA BASE DEVELOPMENT
- ☑ FAILURE ANALYSIS
- ☑ CHEMICAL SELECTION PROGRAM

INTERNAL CORROSION MONITORING

We Provide Internal Corrosion Monitoring Services and our experiences in Oil & Gas Industry, we help our customer to identify the most cost effective product which enable them to obtain and analyze corrosion data that was previously in accessible, such as corrosion rate, scale, and erosion rate quickly.

We provide full products range from High Pressure Access Fitting, Electric Resistance (ER) Probes, LPR Probes, Coupons, CorrData Mate, Quick Sand Probes, Microcor, and Retrievers Tolls.



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CATHODIC PROTECTION

We offer inovative works and product that help you maintain the safety and integrity of your pipelines, while complying with industry regulations. Our Cathodic Protection System for impressed current Cathodic Protection is a quality product aimed at applications that demand high performance, long life, and environmental compliance.

PERFORMING METHOD

CIPS - Close Interval Potential Survey | Detection of suspect material defect by Pipe to Soil Potential method.

DCVG - Direct Current Voltage Gradient | Detection Material defect by Soil to Soil Potential method.

Pipe Locating - Mapping technique for underground metal through the soil surface using electromagnetic methods.



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INLINE INSPECTION

PT. Birawa Adhi Pratama keeps pipeline networks in service with solutions for inspection, engineering, monitoring, and pipeline data management solutions through our integrated data journey.

We utilize insightful techniques with innovative inspections and industrial technologies to ensure you have the best solutions for accurate and reliable data at your disposal, enabling you to reduce project time, risk and cost.

In order to meet Client requirement and capable of producing data, analysis and recommendation, while making sure the pipeline operation running safely and meet the operation standard. PT. Birawa Adhi Pratama offers In Line Inspection Services for the following :

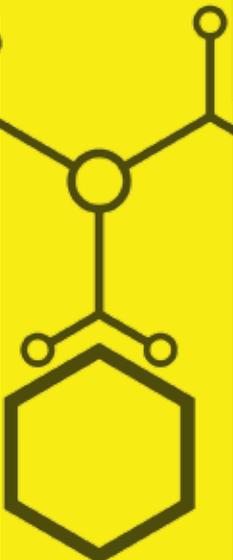
- ☑ In Line Inspection Program & Implementation
- ☑ Pipeline Cleaning
- ☑ Intelligent Pigging
- ☑ Fit For Purpose (FFP)

PERFORMING METHOD

- ☑ In Line Inspection Program Development
- ☑ Field Assessment
- ☑ Pipeline Cleaning
- ☑ Tools Selection
- ☑ Program Implementation
- ☑ Inspection Monitoring
- ☑ Inspection Analysis
- ☑ Information Integration
- ☑ Data Analysis
- ☑ Data Interpretation
- ☑ Fit For Purpose and Rehabilitation Program



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HOTTAP-LINE STOP

Hot tapping refers to attaching connections and associated equipment to pipelines while they remain operational and, or under stress, minimizing impact and the potential costly need to shut down existing services.

Hot tapping is generally used to repair damaged or corroded areas, or add fittings for system modification.

PT.Birawa Adhi Pratama is able to provide welding fittings to pressure pipes of various diameters and operating pressures to various welding specifications.

HOTTAP APPLICATION

- ☑ PREVENTING SHUTDOWN
- ☑ NEW CONSTRUCTION TIE-INS
- ☑ INSTALLATION OF BY-PASS PIPING SYSTEMS
- ☑ PRESSURE AND VACUUM INSTALLATIONS
- ☑ NEW PIPELINE CONSTRUCTION
- ☑ SIGHT GLASS INSTALLATION
- ☑ VALVE INSTALLATIONS
- ☑ THERMOWELL COUPLING INSTALLATION

COMMON USE

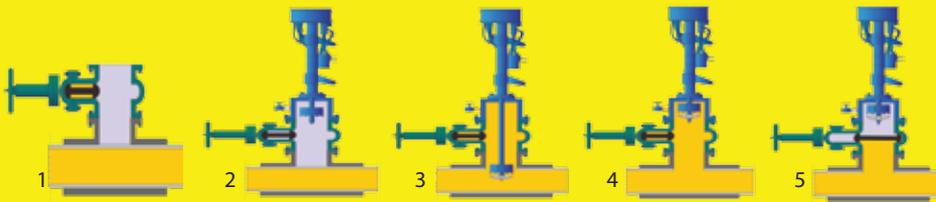
- ☑ NATURAL GAS
- ☑ CONDESATE
- ☑ COMPRESSED AIR
- ☑ PROCESS CHEMICALS
- ☑ CHILLED WATER
- ☑ RAW WATER
- ☑ PETROLEUM PRODUCTS



PT.Birawa also provides Hot Tap Services ranging from 2 inches to 32 inches.

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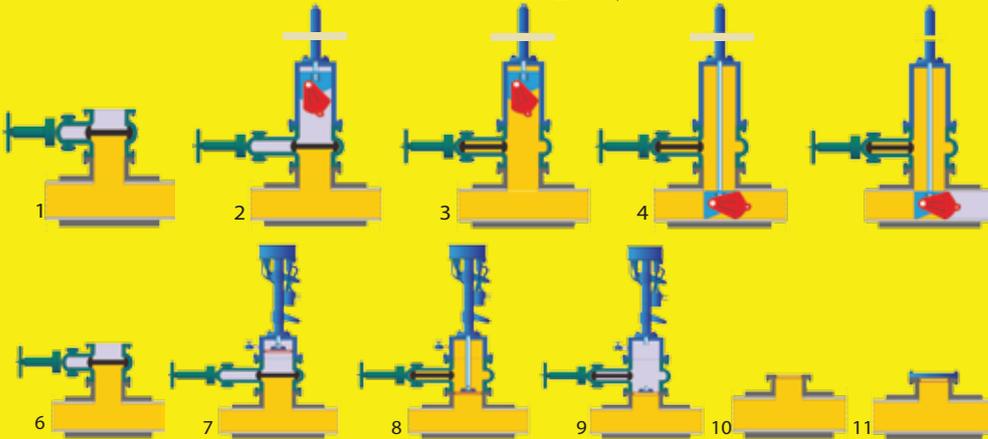
PROCEDURE-HOT-TAP



1. At the Existing pipeline, Fittings and valve is installed.
2. Install Hot Tap Machine.
3. Perform Hot Tap through the open valve.
4. Retract Cutter Assembly. A Special device retains the "Coupon" removed during the Hot Tap operation.
5. Close Hot Tapping Valve



PROCEDURE-LINE-STOP



1. Remove Hot Tap Machine to allow connection for Line Stop Machine
2. Line Stop equipment installed on the temporary tapping Valve
3. The Valve is open
4. Line Stop head enters pipeline through the Hot Connection
5. Temporary seal is achieved and pipeline flow is Stopped (unless bypass is in place) - (repair, relocation or alteration of the pipeline is performed)
6. Temporary valve is closed and the Line Stop Equipment is removed
7. Completion Plug and Tapping machine are installed on the temporary tapping valve
8. Temporary tapping valve is opened and the completion Plug is put into position
9. Temporary tapping valve is opened and the completion Plug is installed in the branch of the Line Stop fitting and Locked into position
10. Line Stop equipment and temporary valve are removed
11. Blind Flange is installed on the line stop fitting



INFLATABLE PLUGS

We capable to develop Hot Tapping procedure. with balloon plugs and successfully completed in our projects.





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FIELD-CALIBRATION

PT. Birawa Adhi Pratama provide calibration service aimed at detecting the inaccuracy and uncertainty of a measuring instrument or piece of equipment. In calibration, the device under test (DUT) is compared to a reference of known value to determine the deviation of the measurement from the true value. We also provide On site or Field Calibration for both onshore and offshore vessel, supported by personnel ready BOSIET and HUET training.

RANGE OF SERVICES

- ☒ Weight and Balance Calibration
- ☒ Dimensional Calibration
- ☒ Pressure Calibration
- ☒ Force Calibration
- ☒ Electrical Calibration
- ☒ Temperature Calibration
- ☒ Analytical Instrument Calibration
- ☒ Volumetric Calibration
- ☒ Other Calibration, which included :
 - Anemometer
 - Barometer
 - Flow Meter
 - NDT Equipment
 - Gas Detector
 - Sound Level Meter
 - Vibration Meter
 - Lux Meter
 - PI Life Boat
 - PI Drill Mechanic
 - PSV Pressure Vessel
 - PI Breathing Cascade
 - PI Sphygmomanometer
 - PI Drill Sub Sea and many more



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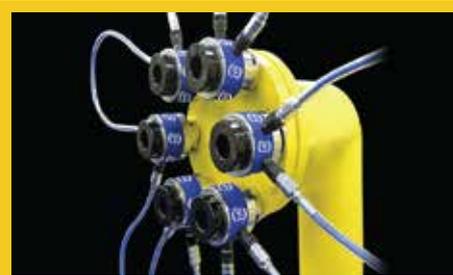
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BOLT TORQUE-TENSIONING

PT. Birawa Adhi Pratama provide Hydraulic Bolt Tensioning and Torquing Service inclusive of Joint Integrity Management for upstream and downstream sectors including topside applications.



RANGE OF SERVICES

- ☑ Hydraulic Bolt Tensioning
- ☑ Hydraulic Fastening
- ☑ Pneumatic Fastening
- ☑ Electric Fastening
- ☑ Manual Fastening



The aim is to achieve **LEAK FREE** system prior start up. We have inventories of both bolt tensioning and torouing equipment's

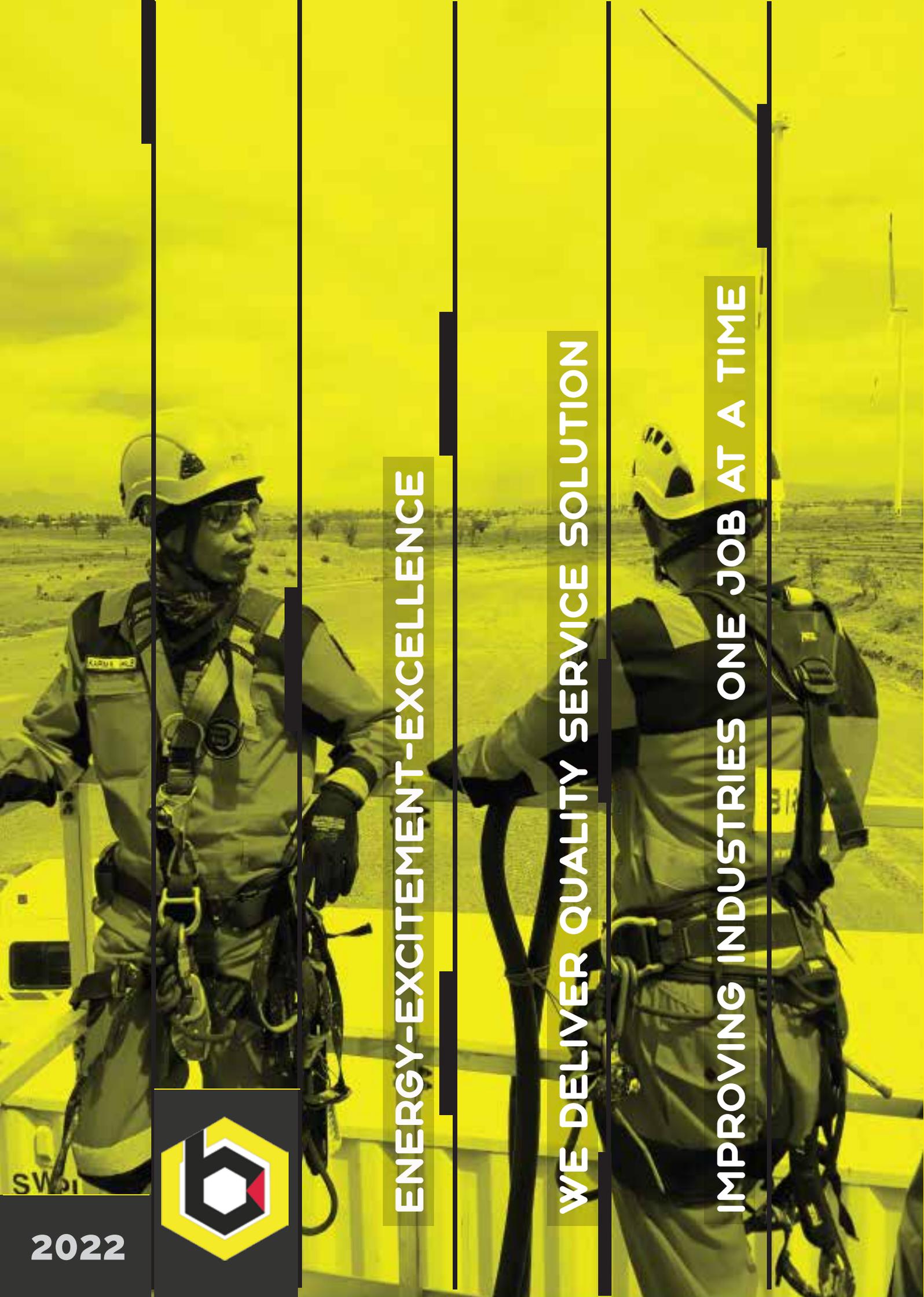


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ENERGY-EXCITEMENT-EXCELLENCE

WE DELIVER QUALITY SERVICE SOLUTION

IMPROVING INDUSTRIES ONE JOB AT A TIME



2022

PROJECT EXPERIENCES

1. Rope Access Services - Inspection - Jakarta International Crane Terminal - PT. Biro Klasifikasi Indonesia. - 2016.
2. Welder Performance Qualification for Kazakhstan Construction Project - Stamgazstroy - 2016.
3. Rope Access Services - Inspection - Halliburton Rig - PT. Biro Klasifikasi Indonesia - 2017.
4. Rope Access Services - Cleaning Coal Bunker - PT. Tahta Laksana - 2018.
5. In-SITU Machining PITCH Ring Services - PT. Multi Nitrotama Kimia - 2018.
6. Well Head Control Panel Services - PT. Meindo Elang Indah - 2018.
7. Manpower Supply 32 Personnel- Offshore Pipeline 11.5Km SP Project (GMAW-FCAW) - PT. Meindo Elang Indah - 2018.
8. General Overhaul Deutz Engine - PT. Kaltim Methanol Industri - 2018.
9. Repair and Calibration of Injection Pumps and Turbo Chargers - PT. Kaltim Methanol Industri - 2018.
10. Post Weld Heat Treatment Services (PWHT) - PT. VH Boiler and Energy - 2018
11. Rope Access Services Wind Turbine Maintenance 1- Jeneponto Sulawesi - PT. Ale Heavy Lift - 2018
12. Rope Access Services Wind Turbine Maintenance 2- Jeneponto Sulawesi - SIEMENS Gamesa - 2018
13. Manpower Supply - CSTS Train 3 BP Tangguh - PT. Indotech Karya Mandiri - 2018-2019
14. Manpower Supply 32 Personnel - Offshore Pipeline 13Km PRRP Project (GMAW-FCAW) - PT. Meindo Elang Indah - 2018
15. Hottap Services 1-1/2" | 3/4" - PT. Eka Dwi Jaya - 2018.
16. Hottap Services 2" - 4", 3 Spot - PT. Kaltim Parna Industri - 2019
17. Manpower Supply 32 Personnel - Offshore Pipeline 12KM YY Project - PT. Meindo Elang Indah - 2019
18. Welding Habitat 3 Unit and Technician - YYA Project KLB Platform (GMAW-FCAW) - PT. Meindo Elang Indah - 2019

PROJECT

EXPERIENCES

19. Post Weld Heat Treatment Services (PWHT) Carbon Steel Pipe 12" SCH 120, Offshore KLB Platform - PT. Meindo Elang Indah - 2019

20. Manpower Supply - 72 Personnel (Welders,Fitter,Riggers,Scaffolder,Painter-blaster,Construction Supervisor) for Pipeline and Top Side Jacket Installation - KLD New Field Development Project - PHE ONWJ - 2020

21. Manpower Supply - 76 Personnel (Welders,Fitter,Riggers,Scaffolder,Field Joint Coating HSS-HDPUF) for Offshore Pipeline 16" GMAW-FCAW - JAWA-1 PLTGU - Cilamaya - PERTAMINA POWER - 2020

22. Manpower Supply - 96 Personnel (Welders,Fitter,Riggers,Scaffolder,Field Joint Coating HSS-HDPUF) for Offshore Pipeline 16" GMAW-FCAW & 6" FULL SMAW Downhill Pipeline Piggyback Welding (Dual Line) - Gresik-Lamongan - PGN SAKA - 2020

23. Fabrication Fit Up and Welding Service - Cilegon - PT. ASUKA ENGINEERING INDONESIA - 2020

24. Hottaping 6"x4" - 2 Spot - PT. CHANDRA ASRI PETROCHEMICAL Tbk -2020

25. Hottaping 16" - 1 Spot Cilegon - PT. CHANDRA ASRI PETROCHEMICAL Tbk - 2021

✉ For Complete Experience List See our Website www.birawa.co.id ---About us ---Experience

CLIENT

OUR



INSIGNIA

PERSONNEL



Technical Engineering Services
Manpower Supply



PT. BIRAWA ADHI PRATAMA



2022



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