



ANDHI ARIF MAHARDIKA



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April 11th, 1985



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Cilegon 42415

Personal

A motivated, Adaptable and very eager to learn anyone's guidance

Work Experience

Mechanical Inspector

GUNANUSA UTAMA FABRICATORS, PT. June, 2025 – Present

Project:

EPCIC OF WHCPP, PL & PLET FOR HIDAYAH FIELD PHASE 1 DEVELOPMENT
HAFAR – GUNANUSA UTAMA FABRICATOR – PETRONAS

Job Description:

- Performed detailed inspections of mechanical equipment, and structural components to ensure compliance with engineering drawings, specifications, and industry standards
- Verified installation, maintenance, and repair activities in accordance with quality requirements and safety regulations
- Conducted visual inspections and mechanical testing, including pressure testing, alignment checks, and dimensional verification
- Reviewed technical documentation such as P&IDs, isometric drawings, and material certificates for accuracy and compliance
- Identified non-conformities and defects, issuing inspection reports and coordinating corrective actions with engineering and construction teams
- Maintained accurate inspection records, reports, and quality documentation for audits and project tracking
- Collaborated with QA/QC teams, contractors, and project engineers to ensure timely project completion and quality assurance
- Applied Non-Destructive Testing (NDT) methods where applicable to evaluate material integrity without causing damage

- Promoted workplace safety by ensuring compliance with HSE policies and procedures

Mechanical Engineer

JURONG ENGINEERING LESTARI, PT. **December, 2023 – August, 2024**

Project:

COAL FIRED STEAM POWER PLANT, JAWA UNIT 9 & 10 PLTU SURALAYA
JEL – DOOSAN HEAVY INDUSTRIES (DHI) - INDO RAYA TENAGA

Job Description:

- Review mechanical systems, components, and equipment for manufacturing, construction, oil & gas, and automotive applications
- Prepare and interpret engineering drawings, technical specifications, and 3D models using CAD software (e.g., AutoCAD, Solid Works, or similar)
- Perform analysis, and feasibility studies to ensure safety, efficiency, and compliance with project requirements
- Supervise installation, testing, commissioning, and maintenance of mechanical systems and equipment
- Coordinate with multi disciplinary teams (civil, electrical, production, and QA/QC) to ensure project alignment and execution
- Conduct inspections and troubleshoot mechanical failures, recommending corrective and preventive actions
- Ensure compliance with industry standards, codes, and regulations (e.g., ASME, API, ISO, or project-specific standards)
- Support project planning, scheduling, cost estimation, and material selection processes
- Prepare technical reports, documentation, and progress updates for stakeholders
- Participate in continuous improvement initiatives to enhance system performance, reliability, and safety

Mechanical Engineer

DAEAH E & C INDONESIA, PT. **August, 2023 – October, 2023**

Project:

LOTTE CHEMICAL INDONESIA NEW ETHYLENE PROJECT (LINE PROJECT)
DAEAH E & C INDONESIA, PT. – KINE PROJECT JO LOTTE E & C

Job Description:

- Review mechanical systems, components, and equipment for manufacturing, construction, oil & gas, and automotive applications
- Prepare and interpret engineering drawings, technical specifications, and 3D models using CAD software (e.g., AutoCAD, Solid Works, or similar)
- Perform analysis, and feasibility studies to ensure safety, efficiency, and compliance with project requirements
- Supervise installation, testing, commissioning, and maintenance of mechanical systems and equipment
- Coordinate with multidisciplinary teams (civil, electrical, production, and QA/QC) to ensure project alignment and execution
- Conduct inspections and troubleshoot mechanical failures, recommending corrective and preventive actions
- Ensure compliance with industry standards, codes, and regulations (e.g., ASME, API, ISO, or project-specific standards)
- Support project planning, scheduling, cost estimation, and material selection processes
- Prepare technical reports, documentation, and progress updates for stakeholders
- Participate in continuous improvement initiatives to enhance system performance, reliability, and safety

Mechanical Engineer

JURONG ENGINEERING LIMITED, PT. February, 2023 – May, 2023

Project:

**COAL FIRED STEAM POWER PLANT, JAWA UNIT 9 & 10 PLTU SURALAYA
JEL – DOOSAN HEAVY INDUSTRIES (DHI) - INDO RAYA TENAGA**

Job Description:

- Review mechanical systems, components, and equipment for manufacturing, construction, oil & gas, and automotive applications
- Prepare and interpret engineering drawings, technical specifications, and 3D models using CAD software (e.g., AutoCAD, Solid Works, or similar)
- Perform analysis, and feasibility studies to ensure safety, efficiency, and compliance with project requirements
- Supervise installation, testing, commissioning, and maintenance of mechanical systems and equipment

- Coordinate with multidisciplinary teams (civil, electrical, production, and QA/QC) to ensure project alignment and execution
- Conduct inspections and troubleshoot mechanical failures, recommending corrective and preventive actions
- Ensure compliance with industry standards, codes, and regulations (e.g., ASME, API, ISO, or project-specific standards)
- Support project planning, scheduling, cost estimation, and material selection processes
- Prepare technical reports, documentation, and progress updates for stakeholders
- Participate in continuous improvement initiatives to enhance system performance, reliability, and safety

Material Inspector

GUNANUSA UTAMA FABRICATORS, PT. March, 2022 – December, 2022

Project:

RISER PLATFORM OIL AND GAS

GUNANUSA UTAMA FABRICATOR – SAIPEM S.p.A – QATARGAS

Job Description:

- Inspect raw materials, components, and finished products to ensure compliance with industry specifications, engineering drawings, and quality standards
- Perform visual, dimensional, and functional inspections using precision measuring tools (calipers, micrometers, gauges, and other inspection equipment)
- Verify material certificates, test reports, and documentation against project or production requirements
- Identify, document, and report non-conforming materials; support segregation, quarantine, and rejection processes
- Conduct inspections of materials used in manufacturing processes, construction sites, fabrication yards, or assembly lines
- Ensure materials meet safety, regulatory, and industry-specific standards (e.g., ISO, API, ASTM, or project specifications where applicable)
- Collaborate with production, engineering, procurement, and quality teams to resolve material quality issues
- Maintain accurate inspection records, quality reports, and traceability documentation
- Support internal and external audits by providing inspection data and compliance evidence

- Monitor handling, storage, and preservation of materials to prevent damage, contamination, or deterioration

Project Engineer

BARATA INDONESIA (Persero), PT.

October, 2018 – September, 2021

Project:

HEAT EXCHANGER (CONDENSER) – ENEVA V PARNAIBA - BRASIL

GENERAL ELECTRIC (GE)

HEAT EXCHANGER (CONDENSER) – UNIQUE M CCPP – BANGLADESH

GENERAL ELECTRIC (GE)

Job Description:

- Support planning, execution, and completion of engineering projects in manufacturing, construction, oil & gas, and automotive environments
- Coordinate with multidisciplinary teams (engineering, procurement, production, and quality) to ensure project objectives are met on time and within budget
- Review engineering drawings, technical specifications, and project requirements to ensure compliance with standards and client expectations
- Assist in project scheduling, resource allocation, cost estimation, and progress tracking
- Monitor site or production activities to ensure adherence to safety regulations, quality standards, and project plans
- Identify technical issues and coordinate corrective actions with relevant stakeholders
- Prepare project documentation, reports, RFIs (Requests for Information), and progress updates for management and clients
- Support procurement of materials and equipment by reviewing technical requirements and vendor submissions
- Participate in testing, commissioning, and handover of systems or equipment
- Contribute to continuous improvement initiatives to enhance project efficiency, quality, and delivery performance

Project Engineer

SIEMENS INDONESIA, PT.

October, 2013 – September, 2018

Project:

GUIDE BLADE RING (GBR)

SULSEL BARRU LOW PRESSURE – SIEMENS AG

ROUND CONDENSER

RDMP BALIKPAPAN UNIT 3 & 4 – SIEMENS AG

Job Description:

- Support planning, execution, and completion of engineering projects in manufacturing, construction, oil & gas, and automotive environments
- Coordinate with multidisciplinary teams (engineering, procurement, production, and quality) to ensure project objectives are met on time and within budget
- Review engineering drawings, technical specifications, and project requirements to ensure compliance with standards and client expectations
- Assist in project scheduling, resource allocation, cost estimation, and progress tracking
- Monitor site or production activities to ensure adherence to safety regulations, quality standards, and project plans
- Identify technical issues and coordinate corrective actions with relevant stakeholders
- Prepare project documentation, reports, RFIs (Requests for Information), and progress updates for management and clients
- Support procurement of materials and equipment by reviewing technical requirements and vendor submissions
- Participate in testing, commissioning, and handover of systems or equipment
- Contribute to continuous improvement initiatives to enhance project efficiency, quality, and delivery performance

Material Requirement Planning (MRP)

SIEMENS INDONESIA, PT.

March, 2012 – September, 2013

Job Description:

- Plan and manage material requirements to support production, construction, fabrication, and maintenance activities across manufacturing, construction, oil & gas, and automotive projects
- Analyze demand forecasts, production schedules, and project plans to determine material needs and timing
- Develop and maintain MRP schedules to ensure timely availability of raw materials, components, and consumables
- Monitor inventory levels and coordinate replenishment to prevent shortages or overstock situations
- Collaborate with procurement, engineering, production, and warehouse teams to align material planning with operational requirements

- Review bills of materials (BOM), technical specifications, and project documentation for accurate material planning
- Track material lead times, supplier performance, and delivery schedules to support on-time project execution
- Identify and resolve material constraints, shortages, or discrepancies impacting production or project timelines
- Maintain accurate planning data, system records, and material status reports using ERP/MRP systems
- Support cost optimization initiatives by improving inventory control and reducing material waste

Tendering (Calculation Project)

SUPRACO INDONESIA, PT.

November, 2011 – February, 2012

Job Description:

- Prepare, review, and submit technical and commercial tenders for projects in manufacturing, construction, oil & gas, and automotive sectors
- Analyze tender documents, drawings, specifications, and client requirements to develop compliant bid proposals
- Coordinate with engineering, procurement, finance, and project teams to gather technical inputs and cost estimates
- Develop accurate cost breakdowns, pricing models, and material take-offs for tender submissions
- Evaluate subcontractor and supplier quotations to ensure competitive and compliant bidding
- Ensure all tender submissions meet client requirements, industry standards, and deadlines
- Clarify technical and commercial queries with clients during the bidding process (pre- and post-tender stages)
- Maintain tender documentation, records, and bid status tracking in accordance with company procedures
- Identify risks, opportunities, and value engineering options to improve bid competitiveness
- Support negotiation processes and handover of successful bids to project execution teams

Execution

CV. ADITHA ANUGRAH KARYA

January, 2009 – December, 2009

Job Description:

- Execute project activities in manufacturing, construction, oil & gas, and automotive environments in accordance with approved drawings, specifications, and project plans
- Supervise on-site or shop-floor execution including installation, fabrication, assembly, and commissioning activities
- Interpret engineering drawings, method statements, and technical documentation to guide field teams and subcontractors
- Monitor daily progress, manpower, equipment utilization, and materials to ensure timely project delivery
- Ensure compliance with safety regulations, quality standards, and industry codes throughout all execution activities
- Coordinate with engineering, procurement, QA/QC, and project teams to resolve technical and site-related issues
- Conduct site inspections and verify workmanship, material usage, and installation quality against specifications
- Support testing, pre-commissioning, commissioning, and final handover of systems or equipment
- Identify site constraints, delays, and risks, and escalate or propose corrective actions to meet project objectives
- Maintain accurate site records, progress reports, and as-built documentation

On Job Training

SIEMENS INDONESIA, PT.

September, 2007 – December, 2007

Job Description:

- Undergo structured on-the-job training in manufacturing, construction, oil & gas, and automotive environments to gain practical industry experience
- Assist engineers and supervisors in daily operational, production, or site activities
- Observe and support processes such as manufacturing operations, site execution, quality inspection, and maintenance activities
- Learn to interpret basic engineering drawings, work instructions, and technical documentation
- Support material handling, equipment operation, and workplace organization under supervision
- Follow company safety procedures, quality standards, and operational guidelines at all times
- Participate in toolbox meetings, training sessions, and skill development programs

- Record training activities, tasks completed, and learning outcomes as required by the program
- Develop technical, teamwork, and communication skills through hands-on exposure to real projects and assist in preparing simple reports or documentation as assigned by supervisors

Education

Bachelor of Degree, Major in Metallurgical Engineering

Sultan Ageng Tirtayasa University (2004 – 2011)

My final assignment is *“The Effect of Volume Fraction and Sintering Temperature on Mechanical Properties and Microstructures of Titanium Alloyed Metal Matrix Composites “ASTM B338/ASME SB338GR2” With Reinforced Silicon Carbide Particles (SIC)”*

Skill

- | | |
|---|-------------------------|
| • Microsoft Office | • SPIRIDON (SAP) System |
| • Autodesk Navis works (View / Display) | • AutoCAD |

Qualification / Training

- OUTSIDE TRAINING SERVICE – MAGNETIC PARTICLE TESTING (Expired)
MULTI SPEC SINERGINDO (MSS)
- OUTSIDE TRAINING SERVICE – LIQUID PENETRANT TESTING (Expired)
MULTI SPEC SINERGINDO (MSS)