

PUNJUNG ADI N

SR. ENGINEER SURFACE FACILITIES MAINTENANCE & INSPECTION



CONTACT

(+62)813-3045-7560
punjung.adi@pertamina.com
Sarmada Ketintang Residence
Kav.4, Surabaya, RT07, RW06,
Kel.Ketintang, Kec.Gayungan, Jawa
Timur, Indonesia-60231

PROFILE

A Professional Engineer in Surface Facilities Planning & Support with expertise in RCM (Reliability-Centered Maintenance), Turbomachinery, Planning & Scheduling, Cost Control and Analysis, Data Analysis, Web Development, Web Programming, Cloud Computing Networks, Mikrotik Networking, Frontend and Backend. Bringing over 15 years of experience in the oil and gas industry, as well as operations & projects, both nationally. and internasional.

EDUCATION

**Bachelor of Mechanical
Engineering**
Institut Teknologi Sepuluh
Nopember Surabaya
2002

WORK EXPERIENCE

Sr Engineer Maintenance & Inspection

Currently, the individual is serving as a Sr. Engineer, Maintenance & Inspection at PT Pertamina Internasional EP since January 1, 2025. Previously, they were with PT Pertamina Hulu Energi West Madura Offshore.

Job Description:

Monitoring and developing equipment maintenance strategies (CM, PM, PdM, Breakdown), analyzing production data versus Plant Availability Factor (PAF), and tracking Reliability, Availability & Maintainability (RAM) and Equipment Criticality Rating (ECR) based on generic and historical data.

TECHNICAL COMPETENCY

MySAP
Primavera
Microsoft Office
Microsoft Project
Microsoft Power BI
Incident Investigator for Equipment
Root Cause Failure Analysis (RCA)
Emission (Green House Gas) Calc.
ORDC (Operator Routine Duties)
Development
RCM Facilitator & Development
Reliability Turbomachinery
Javascript, html, react, tailwind,
nextjs, PHP, MySQL, sadcn
Jaringan komputasi awan
Mikrotik
Web programmer
Web Developer
Frontend & Backend

Sr Engineer Surfc Facilities, Plan.&Supp

Previously, they were with PT Pertamina Hulu Energi West Madura Offshore and served as Sr. Engineer, Surface Facilities, Planning & Support at Zona 15 PT Pertamina Internasional EP from September 30, 2021, to December 31, 2024.

Job Description:

Monitoring and managing the performance of NBD (Non Business Development) investment projects from the preparation, execution, and handover stages to ensure compliance with the agreed scope of work, timeline, budget, and quality, based on Company K3L (Health, Safety, Security, and Environment) Management System policies, Upstream Development Project Management Guidelines (PUDW), Company governance procedures and systems, and relevant international standards (Codes & Standards).

Process Engineer

Previously, they were with PT Pertamina Hulu Energi West Madura Offshore and served as a Process Engineer at PT Pertamina Internasional EP from November 4, 2018, to September 29, 2021.

Job Description:

Responsible as a **Process Engineer** at **PT Pertamina Internasional EP**. Identifying technical problems, conducting problem-solving analysis, and preparing corrective execution within operating assets. Reviewing fitness-for-service reports and monitoring their improvement processes. Monitoring compliance with Maintenance and Inspection requirements against International Standards and Government Regulations.

TRAINING & CERTIFICATION

AKHLAK

Anti-Bribery Management System.

Project Risk Management, E-Training

SHU Fundamental Risk ISO

9001:2015 Quality Management

System

Digital Onboarding Program

CIP (Continuous Improvement

Program) Training

Accelerating Digital Transformation

Engineering Economic For Decision

Making

Optimizing Maintenance Decisions to

Achieve Excellence in Physical

Asset Management

Lean Sigma

Reliability and Maintainability

Analysis For Repairable Systems,

Reliasoft Reliability Seminar –

RS540

Oil & Water Handling Facilities

Reliability Centered Maintenance

(RCM II - Aladon)

Enterprise Risk Management &

Certification CRP Batch

Sistem Manajemen Mutu ISO

9001:2015

Cybersecurity

Mikrotik MTCNA

WORK EXPERIENCE

Team Leader Maintenance Management

Previously, they were with PT Pertamina Hulu Energi West Madura Offshore and served as Team Leader, Maintenance Management at Gresik, PT Pertamina Hulu Energi WMO, from July 1, 2015, to June 30, 2018.

Job Description:

Responsible as **Team Leader, Maintenance Management** at Gresik, **PT Pertamina Hulu Energi WMO**.

Monitoring and developing equipment reliability roadmaps and maintenance strategies. Evaluating and monitoring preventive/predictive maintenance systems and asset production facility inspections. Managing maintenance & inspection databases, as well as identifying technical problems and analyzing solutions.

Lead Field Ops Planning & Scheduling

Previously, they were with **PT Pertamina Hulu Energi West Madura Offshore** and served as **Lead Field Operations Planning & Scheduling** at Gresik, **PT Pertamina Hulu Energi WMO**, from February 1, 2014, to June 30, 2015.

Job Description:

Responsible as **Lead Field Operations Planning & Scheduling** at Gresik, **PT Pertamina Hulu Energi WMO**.

Monitoring and developing equipment reliability roadmaps and maintenance strategies. Analyzing production data versus Plant Availability Factor (PAF) of assets. Developing analyses related to availability, reliability, and inspection as input for developing a long-term "Life of Field (LoF)" strategy.

Engineer Reliability (RCM)

Previously, they were with **PT Pertamina Hulu Energi West Madura Offshore** and served as **Engineer, Reliability (RCM)** at Gresik, **PT Pertamina Hulu Energi WMO**, from May 14, 2012, to January 31, 2014.

Job Description:

Responsible as Reliability Engineer (RCM) at Gresik, PT Pertamina Hulu Energi WMO. Monitoring and developing equipment reliability roadmaps and maintenance strategies (CM, PM, PdM, Breakdown). Analyzing production data versus Plant Availability Factor (PAF) of assets. Implementing RCM & ORDC at PHE WMO.

Sr. Reliability Engineer

Previously with **PT. CHEVRON PACIFIC INDONESIA** from December 2007 to May 12, 2012.

Job Description:

Monitoring Oil & Gas operations & maintenance, Planning & Scheduling, and serving as a Turbomachinery Reliability Engineer handling RCM for ONSHORE facilities. Implemented RCM & ORDC at PT. Chevron Pacific Indonesia.

WORK EXPERIENCE

Providing technical recommendations related to the reliability of surface facility equipment across all SLN operating facilities, which include 30 GS (Gathering Stations), 3 EOR (Enhanced Oil Recovery) plants, and 8 GP (Gas Plants). Delivering, socializing, training, and auditing SERIP (Surface Equipment Reliability and Integrity Process) related to RCM (Reliability-Centered Maintenance), PM (Preventive Maintenance), PdM (Predictive Maintenance), CM (Condition Monitoring), ORDC (Operator Routine Duties Checklist), RCA (Root Cause Analysis), CMMS (Computerized Maintenance Management System), Work Order Management, and Reliability Metrics (MTBF, MTTR, Availability, and Reliability).

Sr. Mechanical Project Engineer & Sr. Reliability Engineer

Previously with **PT. Kaltim Prima Coal** from November April 2005 to December 2007.

Job Description:

Providing appropriate Engineering project design services in accordance with Company and International safety standards, as well as project support during the construction phase for all work areas, to ensure customer needs and requirements are met within budget and timeframe, in line with company policies and procedures.

Monitoring Heavy Equipment operations & maintenance for coal mining, Planning & Scheduling, and handling RCM for heavy equipment operations including PM, PdM, and Corrective Maintenance. Implemented RCM & ORDC at PT. Kaltim Prima Coal for heavy equipment in coal mining.

Sr. Mechanical Design Engineer

Previously with **PT Freeport Indonesia** in Tembagapura from December 2003 to December 2004.

Job Description:

Providing appropriate Engineering project design services in accordance with safety and International standards, as well as project support during the construction phase for all work area locations (Grassberg, Eastberg, MLA, Tembagapura, and Timika Portsite), to ensure customer needs and requirements are met within budget and timeframe, in line with company policies and procedures. This Engineering project design includes piping systems for water, slurry, fuel, and oil; pumping systems, compressors, and rotary equipment; fuel tanks; fire systems; static and structural mechanical components; proposed Material Take Off; BID Analysis; purchase requests; tenders and expeditions; engineering calculations; studies, analyses, and reviews.

Maintenance Supervisor

Previously with **PT. A.Schulman Plastic** from April 2003 to December 2003.

Job Description:

Managing a workshop consisting of 50 subordinates (scheduling and planning for preventive and corrective maintenance, including installation and alignment of plant equipment: Heat Exchangers, Pumps, Motors, Compressor Units, HVAC, gearboxes, Diesel Engines, Siemens S5 PLCs, digital bag scales, Electrical Panels and substations, water supply systems, piping and plumbing systems, as well as fire suppression systems, cooling water systems, dust collection systems, screw conveyors, and mixing plants).

WORK EXPERIENCE

Monitoring of production equipment and plant equipment downtime, budgeting and cost estimation, inventory and expedition of materials, tools, spare parts, and plant equipment, scheduling and planning of work and manpower/technicians, daily and monthly reports to the Maintenance Manager.

Millwright IV – Mechanic Conveyor

Previously with **PT. FREEPORT INDONESIA** from 1997 to 1998.

Job Description:

Maintenance of Conveyor and Ore Pass systems (Installation and alignment of Pulley Lagging, installation and alignment of gearboxes and drives, Chute, skirt, belt splicing, Hot Patch, Cold Patch, Mechanical Clips, installation of roller idlers, installation and alignment of belt scrapper and V-plough).

Tooling Design Engineer

Previously with **PT. Industri Pesawat Terbang Nurtanio (IPTN)** from 1996 to 1997.

Job Description:

Designing tools for aircraft spare parts (Punch, Dies, Jig Fixture, Hydro press Forming, Injection Molds Dies), cost analysis, stress analysis, pre-planning, Fabrication process planning, and designing aircraft Mechanical systems and Accessories. Designing tools for the N250 and CN235 military aircraft versions.