

ADE IRAWAN

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Date of Birth	:	10/07/1976
Sex	:	Male

Professional Summary

- Understanding Project Management from setting, managing and delivering stake holder expectations, developing a detailed project plan, defining the scope of the project, understanding project risks related with Pertamina Upstream Development Way.
- Facilities Integrity, Pipeline Integrity Management System, Corrosion Engineering, Cathodic Protection, Corrosion Monitoring within the Oil & Gas Industry both Offshore and Onshore facilities.
- Understand and know Preventive and Maintenance Services program related with rotating equipment; engine, pump, generator, and compressor using SAP computer asset maintenance management system.
- Understand and know of welding, corrosion, inspection, NDT technology, familiar with the relevant API, ANSI, ASME, AWS, NACE, BS, MIGAS and other relevant regulations
- Managed several projects in order to meet with Clients requirements, completed and finished projects accordance within company's budget and time schedule.

Work Experiences

Sr. Engineer Commissioning & Operation Readiness

August 2022 – Present

PT. Pertamina EP Cepu

Key Responsibilities:

- Define the Operations Readiness activity plan to meet stake holder development Project goals and follow up execution.
- Define a robust plan to properly manage the commissioning & start-up of the new facilities to achieve a successful first cycle of operation, minimize early costs and avoid production losses due to brownfield projects.
- Develop a systematic process for checking operational readiness and the integrity of systems before they are brought into service.
- Ensure preparation of required operating documentation: manuals, procedures, etc.
- Ensure the implementation of properly prioritized Maintenance & Asset Integrity Management Systems which apply best industry practice of minimum intervention, are risk based and address and integrate long-term asset integrity, HSSE and process safety compliance assurance.
- Actively participate in HAZIDs, HAZOPs, SIL-LOPA assessments, etc. ensuring that a risk-based approach is embedded in all project phases and controls are in place to ensure residual risk is ALARP.
- Liaise with Production Operations team to deliver all the existing facilities inputs required for the detail engineering.
- Communicate proactively with other team members.

Sr. Engineer Project Integration**April 2021 – July 2022****PT. Pertamina EP Cepu****Key Responsibilities:**

- To drive and manage the engineering resources required to deliver a large, complex cross functional engineering project to budget and schedule.
- To deal effectively with the all technical stakeholders and act as the focal point for all technical issues.
- Expediting important technical decisions and approvals that may affect progress.
- Working with the Project Manager to develop an appropriate project delivery strategy to ensure that the design can be delivered under the agreed strategy.
- Ensure the coordination of project generated design documents with those provided by subcontractors or equipment suppliers
- Work closely with the HSSE personnel to ensure the safety case strategy is adhered to and the necessary regulatory approvals for documentation are achieved.
- Establishing, maintaining and communicating the engineering programme, budget and work breakdown structure.

Mechanical Integrity Team Leader**April 2017 – March 2021****PT. PHE West Madura Offshore****Key Responsibilities:**

- Plan and Direct the pressure integrity, floating integrity and corrosion management work plan (including pressure system, marine terminal and surface production facilities) based on government & industry as well as Company Standards and agreed Continuous Risk Reduction plan to ensure the alignment with the current practices and Company's strategy.
- Monitor and review the pressure integrity, floating integrity, and corrosion management process for required equipment in order to ensure the activities are progressing on track.
- Supervise, monitor, and perform the implementation of HSE regulation and programs within area of responsibility and all team, including supervise and monitor the implementation of Process Safety Management (PSM), in order to minimize any possible risk.
- Lead the process and maintenance of asset register (mechanical integrity) based on the latest document or information (HCP/FCP) to ensure reliability and validity of asset data for any related applications.
- Plan, integrate and control implementation of annual mechanical integrity programs, to ensure availability and reliability of optimum integrity efforts in support of operational activities.
- Monitor the contractors in implementing mechanical integrity programs to ensure their performance is in accordance with agreed standards and targets.
- Lead the preparation and application of mechanical integrity performance reports, including the development of KPIs and the monitoring of integrity & inspection activities to ensure the optimum performance of mechanical integrity efforts.
- Lead the provision of categorization, risk assessment (corrosion, pressure system, and marine floating), corrective action, chemical in terms of priority, severity and accuracy to ensure proper mitigation of any potential disruption and risk exposure.
- Monitor the implementation of corrective action program applied by other related functions to ensure effective improvement and enhancement in mechanical integrity efforts.
- Monitor the application of mechanical integrity technical recommendation to ensure the effective and efficient implementation of mechanical integrity efforts.

Corrosion Engineer**April 2014 – March 2017****PT. PHE West Madura Offshore****Key Responsibilities:**

- Develop annual corrosion management program (Corrosion risk assessment, risk reduction) to ensure integrity company assets or facilities related to corrosion problem.
- Perform field corrosion activities (corrosion monitoring, corrective action, corrosion treat analysis, follow up on laboratory analysis result) by coordinating with chemical and pigging team to ensure field finding and inputs addressed on time, safely and efficiently.
- Perform activities related to deliver of Company's corrosion program status to the management and authorities through proper business process to ensure the provision of accurate, updated and clearly critical information and findings in support of Management's decision making process.
- Perform of corrosion material and consumables for routine activities or project to ensure availability of related material and services availability.
- Perform the application of corrosion standard and industrial practices in the entire corrosion activities to ensure the implementation of standard and practices in corrosion management.

Certification Engineer**November 2012 – March 2014****PT. PHE West Madura Offshore****Key Responsibilities:**

- To ensure that the equipment (PV, PSV, Lifting Equipment, Safety equipment, structure, electrical & rotating equipment) are comply with Legislation of Government of Indonesia and Company specification.
- Prepare SOW, SOP for all certification process, including contract process.
- Maintain and keep for all certificates will good documentation.
- Keep good communication with Migas as a government regulator, metrology, PIJT.

Corrosion Engineer**May 2009 – October 2012****PT. EP Oil Field Services for PHE ONWJ****Key Responsibilities:**

- To provide a scheme for managing the integrity of Offshore North West Java surface facilities.
- To ensure pipeline system availability for safe operations in line with the Company operational, societal and environmental objectives.
- As an integral part of the Pipeline Generic Maintenance Strategy and Corrosion Management Strategy.
- To ensure that the operation is comply with Legislation of Government of Indonesia and Company HSE Right.

Operation Manager**August 2007 – April 2009****PT. Wilson Walton Indonesia****Key Responsibilities:**

- Responsible to work with internal stakeholders and external clients to define project execution strategy. This includes setting and managing client expectations, developing a detailed project plan, defining the scope of the project, understanding project risks and assigning team members to specific tasks.
- Manage several projects related with Company regulation and meet with client's satisfaction.
- Ensure that operational activities remain on time and within budget.
- Manage and supervise the workforce, including task allocation, setting deadlines, and monitoring performance.
- Manage strategic partnerships with suppliers and vendors, ensuring their compliance with the company's needs and demands.

Field Engineer**February 2006- July 2007****PT. Elnusa Work Over Services****Key Responsibilities:**

- Managed projects by scheduling audits, reviewed site-specific measure & verification plans, collaborated with the project budget to resolve any project related issue or technical matter.
- Preventive and Corrective Maintenance facility equipment related with Booster pumping pipeline Tempino-Plaju using SAP computer assets maintenance management system.
- Supervise NDT inspection along Km 108 – Km 3.0 South section pipeline Bajubang.
- Supervise Installation of pig launcher and receiver at 8” pipeline Bajubang.

Field Engineer**July 2000 – January 2006****PT. Corrpro Companies Asia Pacific****Key Responsibilities:**

- Site survey and engineering design, of Impressed Current Cathodic Protection system associated with LNG Jetty and Combo Dock, JGC.
- Site survey, detailed design engineering, installation, commissioning of Impressed Current Cathodic Protection system associated with Subsea pipeline, Kondur Petroleum SA.
- Perform field trial for chemical vendor selection, associated with cooling water system Darajat field, Chevron Texaco Energy.
- Perform Corrosion Assessment and field audit services, associated with onshore field facilities, ConocoPhillips Indonesia.
- CIPS and DCVG cathodic protection system pipeline of Tanjung Santan Terminal, Unocal Indonesia.
- Site survey, detailed design engineering, installation, commissioning of Impressed Current Cathodic Protection system associated with Santan Terminal facilities, Unocal Indonesia.
- Field Investigation, gathering data, CIS, DCVG and Upgrading of ICCP existing Cathodic Protection System at Air Liquid Indonesia.
- In line Inspection, Corrosion Assessment, Electrical Field Gradient Survey Associated with 21 critical line, top side corrosion monitoring facilities, BP West Java.
- Pipeline Integrity Management System associated with facilities of BP west Java.

Career Highlights

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- **Subject Matter Expert (SME):** Direktorat Development & Production Sub skill Group Material & Corrosion Engineering.
 - **Technical Publication:** presented technical paper titled “The failure analysis of a leak-off oil pipe ASTM A106 on compact separator at an offshore facility” at 13th AUN/SEED-Net Regional Conference on Materials 2020, RCM 2020 and the 1st International Conference on Materials Engineering and Manufacturing, ICMEM 2020
 - **Project Execution:** Settlement contract value USD 4,541,256.40 Chemical Supply and Services.

Education

2010 – 2013	Master of Metallurgical Engineering University of Indonesia (UI)
1994 – 1999	Bachelor of Petroleum Engineering Bandung Institute of Technology (ITB)

Area of Expertise

<i>Project Management</i>	<i>Expertise (7)</i>
<i>Assets Integrity Management</i>	<i>Expertise (8)</i>
<i>Corrosion Management</i>	<i>Expertise (8)</i>

Certification

Jan 2024	PUDW dan Sertifikasi PRR Fase Eksekusi Proyek ABI di Lingkungan Regional 4 Publisher : PT Pertamina Hulu Energi
Oct 2023	Pelatihan Asset Integrity & Reliability Management System - Corrosion Basic & Life Cycle Management Publisher : PT. Tri Panji Puring (TPP)
Mar 2023	Process Safety and Asset Integrity Management System (PSAIMS) Publisher : PT.bLebSolution
Feb 2023	Workshop Pedoman Pelaksanaan Pengadaan Barang/Jasa Di Industri Hulu Migas dan Pembekalan Sertifikasi Panitia Tender K3S Publisher : Srikandi Consultant
Aug 2022	Pelatihan SIKa Zona 13 dan Zona 14 Publisher : PT. Pertamina EP Cepu Regional 4
Mar 2022	Project Management Publisher : PT. Pertamina Hulu Energi