

# RACHMAT AFRIYANTO

QHSSE / HSSE Assurance Professional — LNG & FSRU Operations | ISO 45001/14001/9001 Management Systems | Environmental & ESG Compliance | Contractor Safety (CSMS)

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## PROFESSIONAL SUMMARY

QHSSE professional with HSSE management systems and environmental compliance experience since 2019 in Indonesia's LNG/FSRU sector, at PT PGN LNG Indonesia (Pertamina Gas Subholding). Develops and assures corporate HSSE programs against ISO 45001, ISO 14001, ISO 9001, SMK3 (PP 50/2012) and PROPER standards; manages full-cycle Contractor Safety Management System (CSMS) for 37 registered contractors nationwide; and has led HSSE digitalization initiatives including the e-Personal Safety Logbook (e-PSLB) and corporate safety reporting systems. Government-certified Ahli K3 Umum and SMK3 Auditor (Kemnaker RI); BNSP-certified Energy Manager, Water & Air Pollution Control Manager, and LCA Assessor. Internal Auditor for ISO 9001, 14001, 45001 and 37001. Pertamina "Inspiring Agent of Change" national awardee (2025).

## CORE COMPETENCIES

- HSSE Management Systems: ISO 45001:2018, ISO 14001:2015, ISO 9001:2015, SMK3 (PP 50/2012), PROPER (KLHK), PERKAPOLRI No. 24/2007
- Risk & Hazard Management: HIRA, Health Risk Assessment (HRA), HAZOP/HAZID participation, Process Safety & Asset Integrity Management System (PSAIMS) audit/assurance exposure
- Contractor & Operations Safety: Contractor Safety Management System (CSMS) full lifecycle — 37 contractors; HSSE Performance Index monitoring; workforce HSE certification oversight
- Environment & ESG: AMDAL & environmental studies, PROPER compliance, PERCA assurance, ESG reporting support
- Digitalization & Data: HSSE data analytics, e-Personal Safety Logbook (e-PSLB), safety reporting systems, FSRU personnel-onboard registration optimization
- Audit & Assurance: Pertamina SUPREME Auditor, PERCA Assessor, Internal Auditor ISO 9001 / 14001 / 45001 / 37001
- People & Stakeholders: HSSE training delivery (TNA-based), coordination with HSSE Representative operations teams across 3 operating areas, stakeholder relations across Pertamina Gas Subholding, KESDM, KLHK

## PROFESSIONAL EXPERIENCE

### PT PGN LNG Indonesia — Jakarta, Indonesia

*Subsidiary of PT Perusahaan Gas Negara Tbk (Pertamina Gas Subholding); operator of LNG and FSRU infrastructure.*

#### Corporate QHSSE Junior Analyst — Head Office HSSE Governance & Assurance (National Scope)

Dec 2024 – Present

- Develop HSSE strategies, policies, guidelines, performance targets and procedures; monitor and evaluate implementation across all 3 operating areas in Indonesia.
- Implement and assure the HSSE Operational Performance Index (PI) against PP 50/2012 (SMK3), ISO 45001, ISO 14001, PROPER assessment and PERKAPOLRI No. 24/2007.
- Coordinate with HSSE Representative operations teams across 3 operating areas on equipment testing, environmental measurement, Health Risk Assessment, and HSE training & certification of workers.
- Deliver HSSE training based on training needs assessment (TNA); analyze workplace hazards per ISO 45001/14001/9001.
- Corporate custodian of HSSE performance reporting for an operating record of 5.69 million cumulative safe working hours (established since Jul 2014, prior to my tenure; sustained through my role since Oct 2019) — zero fatality, zero lost-time injury, zero Process Safety Event (Level 1-2), zero occupational illness, zero significant security incident, as of June 2026.
- Maintained 100% HSE legal & regulatory compliance rating; coordinated the 2026 integrated external ISO/SMK3 audit to zero major non-conformity, with 100% of corrective actions closed out.
- Managed full-cycle CSMS covering 37 registered contractors (32 qualified); drove 100% close-out of 199 unsafe act/condition reports via the P-HORSE (Synergi Life Connect) platform.
- Supported the corporate decarbonization program — exceeded the annual CO2e emission-reduction target ahead of schedule through fleet hybridization and B40 marine fuel switching.
- Coordinated 100% close-out of ISO 45001/14001 combined audit findings and monitored Pertamina SUPREME corporate audit action-plan close-out on schedule; delivered 100% Medical Check-Up completion for workers and contractors, with workforce health index exceeding corporate target.
- Appointed HSSE trainer, Pertamina HSSE Demo Room; supported PSAIMS implementation and audit follow-up for FSRU and onshore receiving facilities.
- Corporate recognition during tenure: PROPER Blue rating (2019–2025, 7 consecutive years); Patra Nirbhaya Karya Pratama Work Safety Award, MEMR (2020–2025); P2 HIV/AIDS Gold Category (2021–2024); P2 COVID-19 Platinum Category (2021–2023).

#### Senior Staff, HSSE

Apr 2022 – Dec 2024

- Developed HSSE policies, procedures and performance guidelines; monitored HSSE Operational Performance Index implementation across 3 operating areas nationwide.
- Coordinated with HSSE Representative Area Operations teams across 3 operating areas in Indonesia — equipment testing, environmental monitoring, HRA, workforce HSE certification.

- Built the corporate safety reporting system supporting the Patra Nirbhaya Karya Pratama award (2020–2023).
- Designed and implemented HIV/AIDS and COVID-19 prevention & control programs — achieved Platinum-category national recognition (2023).

### Senior Staff, Environment Management

Oct 2019 – Apr 2022

- Drafted corporate HSSE programs and awareness campaigns; prepared implementation and evaluation reports for a safe, healthy and environmentally sound workplace.
- Managed HSSE stakeholder relations reporting across the Directorate, subsidiaries/affiliates, and Oil & Gas Holding within the Gas Subholding Group.
- Conducted research and data analysis to formulate corporate environmental management policies and strategies; implemented AMDAL and other environmental studies.
- Identified hazards and analyzed HSSE risks; monitored and evaluated environmental pollution prevention reporting.
- Reduced the environmental management budget from IDR 1.5 billion to IDR 700 million (~53% cost efficiency, 2021–2022) while maintaining full regulatory compliance.
- Key results: PROPER Blue rating (2019–2021); PERCA Blue Category; developed the company's environmental management reporting system.

### Graduate Trainee (PGN's Got Talent / BPS) — PT Perusahaan Gas Negara Tbk

May 2019 – Oct 2019

- Completed a structured graduate development program, including leadership training and delivery of a social business project aligned with PGN corporate values.

### Early Career & Research Experience

- Environmental Quality Analyst, CV Akuntara Consulting (Jan 2018 – Jan 2019) — water-source feasibility and environmental impact studies for BUMD PD Aneka Wirausaha (ANWUSA), Demak.
- Research Assistant, Diponegoro University – UC Santa Cruz PEER Project, USAID-funded (2017–2018) — marine sponge-associated bacteria research; research fellowship at UC Santa Cruz, California (Aug–Sep 2017); presenter, ICDTCE 2018.

## EDUCATION

Bachelor of Science, Marine Sciences — Diponegoro University, Indonesia (2014–2018)

Research Fellowship, Biological and Physical Sciences — University of California, Santa Cruz, USA (Aug–Sep 2017)

## CERTIFICATIONS & TRAINING

### Occupational Safety & Health — Ministry of Manpower (Kemnaker RI)

- Ahli K3 Umum (General OSH Expert) — renewed 2023; valid through 2029
- Auditor SMK3 (OHS Management System Auditor, PP 50/2012) — 2026

### Environment & Energy — BNSP (Indonesian Professional Certification Authority)

- Certified Energy Manager (Manajer Energi) — 2024
- Water Pollution Control Manager — 2023
- Air Pollution Control Manager — 2023
- Hazardous Waste (B3) Analysis & Monitoring — 2023
- Life Cycle Assessment (LCA) Assessor — 2025

### Management System Auditing & Corporate Appointments

- Assessor, Pertamina Environment Regulation Compliance Assurance (PERCA) — 2022–2025
- Auditor, Pertamina SUPREME (Sustainability & HSSE Management System Audit) — 2024
- Internal Auditor, ISO 9001:2015 & ISO 37001 — SUCOFINDO, 2022
- Internal Auditor, ISO 45001:2018 & ISO 14001:2015 — BSI, 2025

### Technical & Industry Training

Risk Analysis and Assessment (2024) | LNG Value Chain Expert | Basic Burn Course

## INNOVATION & DIGITAL INITIATIVES

- Development of the e-Personal Safety Logbook (e-PSLB) — digitalization of personal safety records for workforce competency assurance and audit readiness.
- Optimization of the Personnel-Onboard (POB) Registration Process for FSRU operations.

## HONORS & AWARDS

- The Inspiring Agent of Change — AKHLAK Culture Award (individual, national level), PT Pertamina (Persero), 2025
- 2nd Place, National Good Housekeeping Competition, PT Pertamina (Persero), 2024 — coordinator, implementation preparation and field verification
- Patra Nirbhaya Karya Pratama Work Safety Award, Ministry of Energy & Mineral Resources (corporate, 2020–2025)
- PROPER Blue Rating, Ministry of Environment & Forestry (corporate, 2019–2025)
- P2 HIV/AIDS Gold & Platinum Category Awards (2021–2024); P2 COVID-19 Platinum Category (2021–2023)

## LANGUAGES

Indonesian — Native | English — Professional Working Proficiency | Japanese — Elementary