



MIRNA JATININGRUM

Senior Safety and Risk Engineer

> PROFILE

Senior Process Safety and Risk Engineer of 7+years of experience in Technical Process Safety studies and reviews, as well as act as a branch Office Manager. Long-life learner with excellent capability to handle software and deal with new technology. Currently working on to enhance my capability in Math, programming, as well as seeking to be certified for Safety Reviews Facilitation.

> SOFTWARES

MS EXCELE



PHAST



TNO RISK



CADNAA



BOWTIE XP



EXSILENTIA



FLARESIM



AERMOD



> LANGUAGES

ENGLISH IELTS 7.0

INDONESIA (NATIVE)

> CONTACTS



mirna@jatiningrum.com



+62 812 898 484 56

> WORK EXPERIENCES

PT SynergenOG Indonesia

May 2015-Present

Senior Safety and Risk Engineer

Provide safety studies/ risk management services for clients ranged from Onshore and Offshore Upstream, as well as Downstream Oil & Gas Facilities, Drilling, Petrochemical, and Power Plant, industries during FEED, Detailed Design, or Execution Phase of the project.

Key Achievement:

- Having completed several Technical Safety studies with minimum supervision
- Experience in delivering more than 5 training, demo, and roll out sessions.
- Passionate Sriber for Safety Reviews with several recognition and excellent feedbacks from clients
- Appointed branch manager, managing a team of 4 consisting of 3 engineers and 1 admin/finance, for resource management, business development, client/ network relationship maintenance in Jakarta office

PT Synergy Engineering

Jan- April 2015

Junior Process Engineer

Assist Process Engineers to provide calculation/ support in conducting process design/ equipment design/ process studies for clients from oil and gas company.

> EDUCATION AND TRAININGS

Institute of Technology, Bandung (ITB)

2010-2014

Bachelor of Science (B.Sc.) in Chemical Engineering

GPA: 3.24/4.00

Trinity Consultant March 2021

Practical Air Dispersion Modelling using BREEZE AERMOD and CALPUFF Software.

CGE Risk Jun 2021

BowTie Training – Fundamentals and Practices

Cisco (in collaboration with Ministry of Communication and Information Technology of Republic Indonesia)Jul 2020

Python

> ACHIEVEMENTS

Chemical Design Product Competition University of Indonesia, 2014

GRAND FINALIST: product "Anne Claire", Acne Control Oil Sheet

National Safety Competition Gajah Mada University,2013

GRAND FINALIST: paper "Safety Design for CNG Tank"

National Science Olympiad

Bronze Medal – Astronomy2009

Silver Medal – Mathematics 2006



MIRNA JATININGRUM

Senior Safety and Risk Engineer

> PROJECT EXPERIENCE LIST PT SynergenOG Indonesia, May 2015-Present

Facilitation and Training Profile

Facilitation

Petronas, Bukit Panjang Pre-FEED Safety Case Deliberation Workshop
HCML, EERA for BD Field WHP Roll Out
PT PJB, Indramayu Power Plant PSM Phase-2, HAZID HAZOP SIL co-Facilitation onsite

Training, Webinar, Demo

PT PJB, Indramayu Power Plant PSM Phase-2, as SIL Awareness co-Trainer
PT PJB, BowTie and Incident XP Training, as BowTie Trainer
SynergenOG Webinar Series, Barrier Risk Management
Waskita, BowTie Demo
Pertamina, BowTie Demo
Universitas Pembangunan Nasional, Industrial Talk
Universitas Muhammadiyah Gresik, Industrial Talk, The Role and Challenges of Chemical Engineers in Process Safety Facing Industrial Society 5.0

Technical Safety & Risk Assessment

Fire and Explosion Risk Assessment (FERA)

Petronas, Bukit Tua WHP Deck Extension
INPEX Masela, FPSO for Abadi OLNG Development Pre-FEED (support)
Medco E&P, Belida FSO Conversion Project
Petronas Indonesia, BTORF Safety Assessment (support)

Quantitative Risk Assessment (QRA)

Petronas, Bukit Tua WHP Deck Extension
INPEX Masela, FPSO for Abadi OLNG Development Pre-FEED (support)
Pertamina Refinery Unit IV Cilacap, RFCC Storage Tank
Medco, Block A Condensate and Sulphur Unloading at PT PAG Facility
Petronas Indonesia, BTORF Safety Assessment (support)

Escape, Temporary Refuge, Evacuation, and Rescue Analysis (ETRERA)

Pertamina EP, L-Parigi Compression Platform
Medco E&P, Belida FSO Conversion

Dropped Object Study

Premier Oil, Bison, Iguana and Gajah Puteri Project

Acid Gas Flare Dispersion

PT Pertamina (PERSERO), Matindok PSSR Project

SIL Verification study

Conoco Phillips, Suban Compression Development Detailed Engineering
Cuu Long joint Operating Company, Su Tu Trang Full Field Development

Integrity Management

Noise (Airborne) Study

Conoco Phillips, Suban Compression Development Detailed Engineering
Pertamina EP, Pondok Makmur Noise Study.

Reliability, Availability, and Maintainability (RAM) Study

Perusahaan Gas Negara (PGN), CP-20 PGN (support)

Process Safety & Risk Management

Hazard and Effect Register

INPEX Masela, FPSO for Abadi OLNG Development Pre-FEED



MIRNA JATININGRUM

Senior Safety and Risk Engineer

Safety Reviews

Cuu Long joint Operating Company, Su Tu Trang Full Field Development
HSSE Case

Petronas, Bukit Tua WHP Deck Extension
INPEX Masela, FPSO for Abadi OLNG Development Pre-FEED
Apexindo Pratama Duta, Tbk, Tasha SHE Case Update,
Safety Critical Element (SCE) and Performance Standard (PS)
Apexindo Pratama Duta, Tbk, Tasha SHE Case Update

HAZID

Petronas, Bukit Tua WHP Deck Extension
HCML, FPU for MDA-MBH Development FEED
Petronas Carigali Ketapang II Limited, BTJT WHP-A Deck Extension and Tie In
Inpex Masela, FPSO for Abadi OLNG Development Pre-FEED
Medco E&P, Belida FSO Conversion
Conoco Phillips, Suban Compression Development Detailed Engineering
Medco, Block A Condensate and Sulphur Unloading at PT PAG Facility
PT Pertamina (PERSERO) Refinery Unit IV Cilacap
ConocoPhillips Indonesia Inc. Ltd., Buntal FEL-3 Tie-Back

HAZOP

Petronas, Bukit Tua WHP Deck Extension
HCML, FPU for MDA-MBH Development FEED
Wilmar Serang, CPO Plant Development
Medco E&P, Belida FSO Conversion
Perusahaan Listrik Negara (PLN), Small Scale LNG Plant for Maluku-Papua FEED
Conoco Phillips, Suban Compression Development Detailed Engineering
Medco, Block A Condensate and Sulphur Unloading at PT PAG Facility
PT Pertamina (PERSERO) Refinery Unit IV Cilacap

SIL Classification

PT Pertamina (PERSERO) Refinery Unit IV Cilacap
Conoco Phillips, Suban Compression Development Detailed Engineering
PT PJB, Phase 2 PSM for Indramayu Power Plant

BowTie

Apexindo Pratama Duta, Tbk., Rig Soehanah HSE Case Development Project

ALARP

Apexindo Pratama Duta, Tbk, Tasha SHE Case Update
HCML, Safety Case Development
Petronas, Bukit Tua Phase 2B Development

Interface Workshop

HCML, FPSO Lease Contract for Madura Strait BD Development

Constructability Workshop

Conoco Phillips, Suban Compression Development Detailed Engineering



MIRNA JATININGRUM

Senior Safety and Risk Engineer



PROJECT EXPERIENCE LIST

PT Synergy Engineering, Jan-Apr 2015

Process Engineering

PHE WMO Blanket Engineering Service, Water Handling Network Study – Separator Design Handbook, Line Sizing

BP Berau Ltd. Engineering Service for Tangguh LNG Operation – Smart Plant P&ID and Database Update

Chevron Indonesia Design and Engineering Service (Acoustic Induced Vibration) for North Area Chevron – Parts count and equipment population