

RAMA MASDIAN

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Professional Summary

Oil and gas professional in both senior technical & managerial role with 15 years vast experiences in Oil & gas field operation & hse, engineering, project, and supply chain in a big size oil & gas company. My particular technical strengths are plant & well Operation management, brown field, well operation, WIMS, surface facilities and engineering (process), HSE, and emergency response. Experience in managing huge diverse team with 70+ personnel and successful delivery as a leader of big project integrating 2 mega plants in Indonesia to achieve its optimum operability & sustainability worth benefits of \$61.7 million (awarded gold innovation).

Work Experiences

PLANT & WELL OPERATION SUPERINTENDENT Pertamina Hulu Sanga-Sanga

Feb 2021 – Present

Key Responsibilities:

Accountable person for Badak oil & gas Field including: Plant & Well operation, BEM (Badak export Manifold for multi parties East Kalimantan gas gathering pipelines), HSSE, and PHSS Laboratory.

- Manage processing & production Facilities: Wellhead operation, choke management, satellite, separator, crude oil heater treater, compressors (reciprocating, centrifugal, screw), power generation, produce water treatment & injection, tank farm, control room, dehydration unit, fire water system.
- Managing risk at plant & well operation: DRR departmental risk register, ORA (Operational risk assessment), OIRA (Override inhibit risk assessment), CTA (critical task assessment), aspect impact register, health risk assessment, MOC
- Manage well head operation: area authority for rig less operation (slick line, e-line, perforation), well head maintenance, choke management, gathering station, WIMS, tie-in flow line piping, emergency response, sandy well operation, well head compressors, production stimulation (gas lift, surfactant chemical, auto cyclic, pour point depressant)
- Manage Laboratory operation for oil & gas and environmental analysis. Implementation ISO 17025
- Authorized commissioning and operation readiness for plant start up (pre start up safety review) and shut down
- Authorize work permit in Badak Field area
- Manage, initiate & approval OPEX & CAPEX for Badak Field Operation using SAP system.
- On scene Commander for Badak Field operation in emergency management
- As coach for process safety in operation
- Lead big diverse team of 87 personnel consist of Plant Supervisor, well supervisor, laboratory supervisor, operator, technician, operation & Well engineer, support crew, & admin persons.

Key Accomplishments:

- Zero LTI, Zero Tier 1 & Tier 2 Process Safety Event
- Awarded Gold Award Environmental Award from Indonesian Govt by engaging stakeholder relation with surroundings
- Awarded Green category (highest credit) in HSSE Management system scoring in Pertamina
- Awarded Best Crude lifting effort by implementing synergized crude receiving, transfer, and loading
- Successfully manage ESD test for east Kalimantan Gas
- Accomplish 116% well reactivation KPI to maintain production of declining wells by implement auto cyclic mode
- Accomplish 171% well testing KPI by maximize spread testing in satellites & wells
- Awarded as very satisfying result in national proficiency test and East Kalimantan inter lab community for PHSS Lab
- Manage PHSS Lab to deliver 26k laboratory analysis in a year
- ISO 17025 Laboratory certification
- Chairman of PHSS Sport Committee (BAPOR PHSS)

SENIOR ENGINEER PROCESS / SURFACE FACILITY

2019-2020

Pertamina Hulu Sanga Sanga

Key Responsibilities:

Deliver oil & gas surface facility project especially in process area in accordance with company brown field development program, coordinate engineering to troubleshoot field operational and process safety problem.

- Project: Integration of 2 “MEGA Plants” Nilam & Badak Plant Phase 1 delivered safely.
 - Role: As Project Engineer with 3 Engineers in team
 - Comprehensive & out of the box engineering and design
 - All engineering delivered by company in house resource
 - Borderless operation with other Pertamina entity (external achievements)
- Project: Integration Nilam & Badak Phase 2
 - Role: Project Engineer
 - Continuation of phase 1 project with benefit of cost saving \$1.5 mil/yr more at Nilam
 - Project cost reduction from initial \$2.4 mil to \$400k by changing engineering & commercial strategy
- Project: Mutiara Central Plant HP Gas lift Compressor Purchase & Installation
 - EPCI project to deliver reciprocating high pressure compressor package as oil gaslift program in Mutiara field
 - Conduct feasibility study and project design basis for this project
 - Manage 3rd party contractor to deliver detail engineering
 - Conduct project risk review, project health safety environment review, HAZOP & LOPA Study
 - Project specification for compressor procurement
 - Commissioning Procedure of new HP Compressor package
- Resource for Company HAZOP & LOPA Study program
- Appointed person for HSSE management system “SUPREME” Auditor for whole Pertamina
- Reviewer of MOC for plant modification proposal

Key Accomplishments:

- Lead Project contributes value creation \$61.7 mil to company and cost saving \$1.5 mil/yr
- Project cost reduction from initial \$2.4 mil to \$400k by changing engineering & commercial strategy
- lead collaborative project PC-PROVE Si Lambda Turah “Sinergi Nilam Badak Satu Rumah” in Continual Improvement Plan (CIP) program
- Deliver 2 big projects during covid period by enhance IT online communication

OPERATION & WIMS SUPERINTENDENT **Pertamina Hulu Sanga-Sanga / VICO Indonesia**

2016-2019

Key Responsibilities:

Accountable person for Nilam & Lempake Field Operation. A merge of plant & well superintendent roles, is accountable to oil & gas plant, satellites, wells and WIMS (Well Integrity Managemet System) as daily person in charge of all operational & HSE matters.

Lead a big team consist of 12 Supervisors, 60 Operators, 2 Engineers and 20 Crew Support covering 1 Central Plant, 6 Satellites, 364 Wells

- Area Authority of Nilam & Lempake Well Area in permit to work system
- Mobile Compressors & Well Head Compressors operation
- Sandy Well management, Waxy oil production
- Implementation Process Safety KPI in Operation
- Incident Investigation leader
- Well production Enhancement: gas lift, surfactant, WHC, auto cyclic operation

Key Accomplishments:

- Production exceeding 12% from target without any drilling and work over activity by implementing aggressive cyclic well management and auto cyclic innovation
- Zero recordable injury case, Zero Tier 1 & Tier 2 Process Safety Event
- Nilam and Lempake VICO's Safety Leading indicator best achiever
- Delivered safely mega project river crossing pipe replacement by coordination with multi parties
- Successfully reduced LP flared gas Nilam Central plant from 1 MMscfd to 0.1 MMscfd by modify plant process and implement associate gas recovery compressor
- Managed 100 % WIMS periodic inspection for all 1200 well head in VICO through WIMS online application
- Successfully obtain OHSAS 18001 certification by implement rigorous PDCA program
- Successfully obtain ISRS 8 Level 7 certification by collaboration with all company departments

OPERATION ENGINEER **VICO Indonesia**

2011-2015

Key Responsibilities:

Report directly to Operation Manager, providing technical, engineering aspects, and managerial program approach for plant & well production operation in order to meet the optimum production and excellence HSE manner.

- As Coach VMS Element 12 - Operation & Maintenance
- Engineering member of Process Hazard Analysis (PHA): HAZOP, What If, LOPA, Qualitative Risk Assessment
- Author for Operation Manual & Operation philosophy Badak & Nilam Operation
- Process Engineering: Equipment sizing, flow assurance, Instrument Calc, Working Procedure, Gas Dispersion, DCS alarm Review
- SIMOPS + Plant Turn Around Engineer & Coordinator at Semberah & Nilam Sat-2 Field
- Designer of Nilam Satellite 3 facility

Key Accomplishments:

- Unlock additional 3 MM/d production of wells in blank area between satellites by designing Satellite-3 to accommodate wells in vicinity
- Appointed as a coach OEMS el. 15 – Emergency Response
- Upgrade process safety awareness for operation personnel through series of sharing & training. Also Involved actively as trainer.
- Manage to achieve 10-15% less downtime & flaring at turn around and simops program by coordinating with multi parties as Simops Engineer
- Manage to perform 100% Hazop program as per schedule as process safety program
- Achieve zero shutdown due to pigging by implementing pigging flow simulation for Nilam-Badak trunkline

PROCUREMENT SPECIALIST

2009-2010

VICO Indonesia, Supply Chain

Perform procurement for surface facilities, drilling, and OCTG Materials to meet the specification, time schedule, and inline with regulation.

- PTK-007 Certification (GOI SKKMigas Regulation)
- Bid committee member for user/technical vote

Career Highlights

- **Mega Project Plants Integration** : lead project integration of 2 mega plants (cap. 900 mm/d each) safely contribute of value creation \$61.7 million and cost saving \$1.5 million/year
- **Settlement Agreement**: lead negotiation with multiple stakeholders (PHM, SKKMigas) to import gaslift gas supporting oil production of around 400 bopd
- **Technical Publication**: Awarded official patent from Indonesia Government for invention of auto batching surfactant for cyclic well operation (Patent IDS000006046)

Education

2004 – 2008 Bachelor of Chemical Engineering
Bandung Institute of Technology (ITB)

Area of Expertise

Plant & Well Operation	Risk Management	Process Engineering	Emergency response
Operation management	HSE	Process Safety	Surface Facility
WIMS	Brown Field	Management of Change	Plant modification

Training Certification

2023	Risk Management Methodologies Pertamina
2022	Behaviour Based Safety Pertamina
2020	Certified ISRS Auditor DNV GL
2019	Modern Safety Management System 2 DNV GL
2019	Certified – responsible person for polluted water handling Ministry of environment – Indonesia Govt
2015	On scene Commander VICO Indonesia
2013	Plant Start up management VICO Indonesia
2013	NEBOSH Oil & Gas International Certification KBA Singapore
2013	OHSAS 18001 lead auditor certification Sucofindo
2011	ISO 50001 – Energy Management System DQS Indonesia
2011	Pumping system and analysis training certification flowserve
2010	HAZOP & Incident investigation VICO Indonesia
2009	Win Win Negotiation Dale Carnegie
2009	SKKMigas PTK 007 Certification (Indonesia Govt) SKK Migas