

PT. Lebah Solusi Indonesia

Company Profile

October 2022



Technical & Risk Management Consulting



Contact us



www.lebsolution.com

Who We Are

PT. Lebah Solusi Indonesia, called as "LebSolution" is a consulting company providing wide range of services to Oil & Gas and Petrochemical industries, in the area of risk management, technical / engineering, and operational aspects.

Founded by individuals having long and proven experience in the industries, supported by qualified associate consultants, LebSolution will benefit the industries with proven pragmatic approaches of solution.

Established in January 2012, LebSolution has made significant important deliveries to Indonesia national and international clients in the Asia Pacific regions, such as Pertamina HE/EP/GE/RU, Titan Petrochemical, BP Petrochemical, HESS, Santos, Premier Oil, TATELY NV, Repsol, Kangean Energi Indonesia, SAKA Energi, Pupuk Indonesia, PatraSK Lube Base Oil Refinery, Rekayasa Industri, Medco E&P, POLYTAMA Propindo, COSL, JGC, MEINDO, IDEMITSU, SIEGWERK, OPHIR Energy, EVONIK, PJB, Asia Pulp & Paper, Sampoerna School, Simply Safety Singapore, ALSTOM Asia Pacific, Kaltim Parna Industri, etc.

We are committed to quality delivery. Make us your partner in business, only if you are sure we will help bringing the solution to your agenda.

Lukmanul Hakim
President Director



Vision

“Becoming world class Process Safety Consulting Firm while visioning National Independence in Process Safety.”

Mission

- Legally compliant, qualified, and professional,
- Creating synergy with client and similar service provider,
- Proactive engagement and enhancement of process safety awareness

Values

- Honest
- Fair
- Integrity
- Cooperation
- Responsive
- Expertise
- Added value

Motto

***Your Partner,
By Being Your
Solution***





What we do

Consultancy & Facilitation in Workshop, Training/Education, System Development, and Implementation Coaching, in the following important aspects in Oil & Gas, Petrochemicals, Chemicals, & Power industries.

Risk Management

- Process Safety Management Dev & Audit
- Safety Studies : HAZID, HAZOP, SIL/LOPA, BOWTIE, SCE, etc
- Consequence Modelling
- RAM Study
- Pre-Startup Safety Review (PSSR),
- Independent Incident Investigation
- Etc.

Process & Process Safety Engineering

- Process Design Engineering
- Functional Safety Engineering
- Technical Report,
- Feasibility Study
- Etc.

Operation Management

- Operation & Safety Procedures
- Safe System of Work / Control of Work
- Commissioning and Operation Support
- Continuous Improvement
- Integrated Activity Management System (IAMS)
- etc

HAZOP/HAZID/PHA Facilitation

Process Hazard Analysis (PHA) in form of HAZOP and HAZID is a **mandatory step in Process Safety Management**. PHA allows company to **identify any hazard or risk** associated to their installations and **recommends solutions** that can be implemented to improve the safety of the installations

PHA can be performed either in **design phase** of the facilities, or performed **regularly** (i.e. every 5 years) to revalidate the hazard or risk of the existing installations.



Deliverables

- HAZOP/HAZID workshop preparation and facilitation (leader and scribe)
- HAZOP/HAZID report and recommendations

Our PHA Project Clients



MEDCOENERGI



POWER TO CREATE



Process Safety Management Training

Process Safety Management (PSM) training is the **fundamental requirements for any industry prior implementing PSM.**

LebSolution is **highly experienced in delivering PSM training to wide range of industry** (oil and gas, petrochemical, chemical, power plant, pulp and paper, etc) customized as per customer needs with satisfactory result



Our Training Experience

- Process Safety Management for worker and management
- Process Safety Engineering
- PSM Auditor training
- PHA - HAZOP and HAZID leader
- Major Hazard Accident – Bowtie – Safety Critical Element
- Accident investigation training
- ISO 9001:2015 ; ISO 45000:2018; and ISO 14001:2015

Our Training Participant



Technical Study, Operating Manual, and Procedure development

Safety technical studies are **key elements to ensure all safety risks in operations are correctly assessed**. It requires expertise in software, simulations, and tools to get accurate results and bring value to the company.

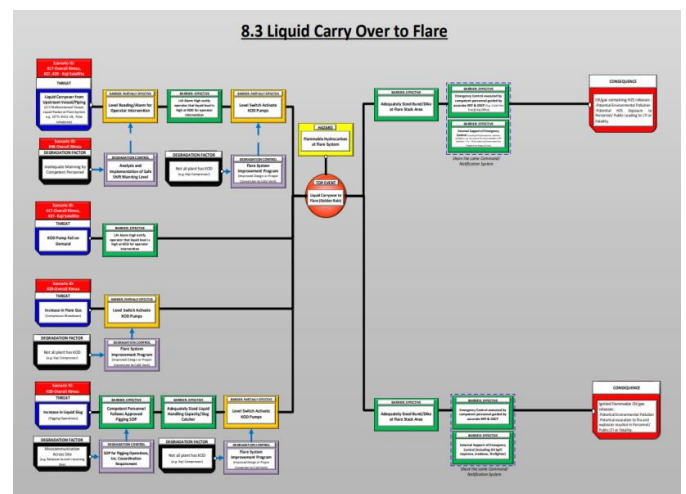
The result of the study and the other assessments are then documented in Operating Manual or Procedures to be used in day-to-day operations

LebSolutions team has helped many company by **providing high quality technical studies, operating manual and safety concept** to support their operations.

Deliverables :

- Major Accident Hazard , BowTie, Safety Critical Element (SCE) Study
- Pre-start Up Safety Review Study and Facilitation
- Safety Integrity Level (SIL) and Layers of Protection Analysis (LOPA)
- Fire and Explosion Risk Assessment (FERA)
- Flare radiation and gas dispersion study
- Operational Safety Case Development
- Operating Manual and Safety Concept development

Technical Study Clients



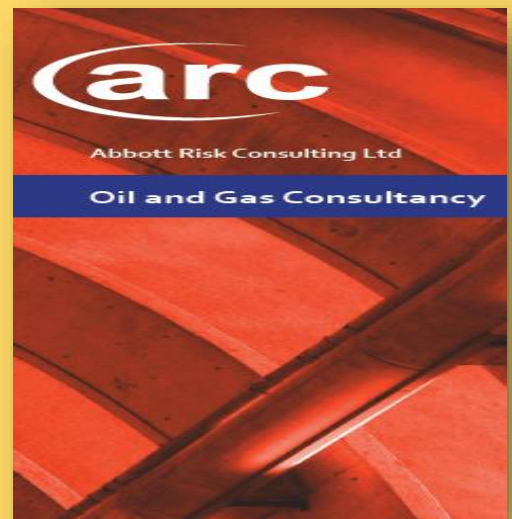
Strategic Partners

To strengthen our potential contribution in delivering added value and solution to your business, LebSolution has created a formal partnership with several multinational companies.

Abbott Risk Consulting (ARC)

An international safety engineering consultancy with offices in UK, US and Australia. Specialists in Technical & Process safety, Computational Fluid Dynamics, and Human Factors. Together with ARC, LebSolution can provide the full suite of safety studies in support of Indonesian oil & gas projects.

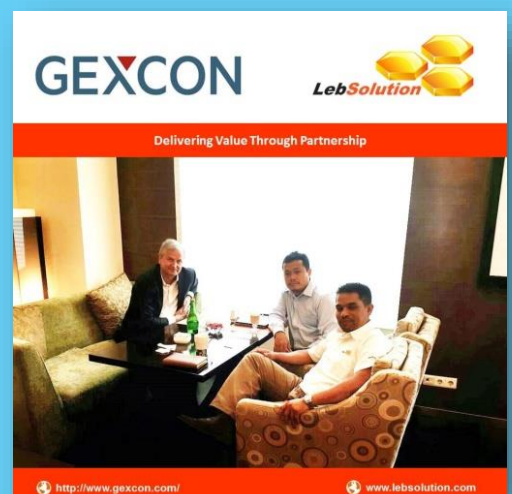
Visit ARC: <http://www.consultarc.com/>



GEXCON

A Norwegian company, which develops one of the world best consequence modeling tools, considered as latest technology in its field, called FLACS, for Dispersion, Explosion, & Fire. Together with GEXCON, LebSolution will help you managing risk with excellent visualization.

Visit GEXCON :
<http://www.gexcon.com/>



Our Consultants

Founded by individuals having **long proven experiences in the industries**, supported by qualified Consultants and Associate Consultants, LebSolution will benefit the industries with proven pragmatic approaches of solution.



Ir. Lukmanul Hakim, IPM

President Director

Senior Process / Process Safety Engineer
Senior Operation Management Specialist
Insinyur Profesional Madya

- Certified Competent HAZID/HAZOP Specialist from BNSP (Professional Certification Authority).
- Certified Competent SMK3 Auditor from BNSP (Professional Certification Authority).
- Certified Professional Chemical Engineer from PII (Indonesian Institution of Engineers).
- Certified Member of IChemE, AIChE, and BKK-PII.
- EVONIK Approved Facilitator for Process Safety Studies (HAZOP/HAZID/SIL) by Global Process Safety Committee.
- Executive Director of BKK-PII (Indonesian Institution of Chemical Engineers)
- Member of Assessor Panel for Professional Engineer Certification of BKK-PII
- Member of Engineers Service Council for Indonesian Institution of Engineers (MLI-PII)
- Member of Indonesian Monitoring Committee for APEC Engineer Register
- Vice Chairman of HSE Division of KMI (Indonesian O&G Community)
- Senior Process Safety and Operation Management Specialist in LebSolution with over 24 years of experience, previously worked for BP and ADNOC as Sr. Process Engineer, Process Support Manager, and Asia Pacific Regional OMS Manager. He was graduated from Institute of Technology Bandung majoring in Chemical Engineering.
- He is a well-experienced facilitator/ consultant in various process safety studies and trainings (HAZID / HAZOP / SIL / PSM / COW / PPSR, etc.) for Oil&Gas and Petrochemical industries (ADNOC, Pertamina, HESS/SAKA, Santos, KEL, Patra-SK, ConocoPhillips, Premier Oil, Repsol, Titan Petrochemical, BP Petrochemical, etc).



Ono Taryono, ST, CFSP

Operation Director

Sr. Process/ Process Safety Engineer
Process Safety Management (PSM) Specialist
Certified Functional Safety Specialist
HAZID/HAZOP/LOPA Leader

- Certified Functional Safety Professional from Exida
- Certified HAZID/HAZOP/LOPA Leader from BP
- Certified Incident Investigation / RCA Leader from BP
- Member of IChemE
- Member of BKK-PII (Institution of Chemical Engineering Indonesia)
- Ono Taryono has proven performance in leading and facilitating Process Safety Studies (HAZID/HAZOP/LOPA) mostly in oil & gas industries.



Teguh Diyanto ST, MM, PMP®

Business Development Manager

Senior Process / Process Safety Engineer
Senior Operation Management Specialist
Certified Professional Project Manager

- Certified Project Management from Project Management Institute
- Secondary degree of business management from Binus Business School
- Certified for Business Continuity Management and Life Cycle Analysis from Pertamina Hulu Mahakam
- Member of Society of Petroleum Engineering
- Member of Project Management Institute International and Indonesia Chartered
- Senior Process Safety and Operation Management Specialist in LebSolution with over 12 years of experience. Teguh previously working at TOTAL E&P Indonesia and Pertamina Hulu Mahakam with diverse experience in facility engineering and operations.
- Certified as project manager and having secondary degree of Business Management.. Capable of critical thinking to understand client's pain point, while delivering the best solution to bring value do client.



Adam M. Musthafa, ST, MT, IPM, CFSP, CCPS

Technical Director

Senior Process Safety Engineer
Senior Operation Management Specialist
Certified HAZOP/HAZID/RA Facilitator/Trainer

- Certified Process Safety Professional from CCPS, American Institute of Chemical Engineers
- Certified Senior Professional Process Engineer from Indonesia Institution of Engineers
- Certified Functional Safety Professional, Exida
- Certified Competent HAZID/HAZOP Specialist from BNSP (Professional Certification Authority)
- Certified Competent HSEMS Auditor (SMK3 Auditor) from BNSP (Professional Certification Authority)
- Functional Safety Practitioner, Exida
- Certified HAZOP & Risk Assessment Team Leader from ExxonMobil EMPC Houston
- Certified Consequence Modelling URC Houston
- Certified HAZID Leader from PETRONAS PD&T, Malaysia
- Associate Member of IChemE, contributor to Loss Prevention Bulletin
- Certified Fire Protection Specialist (Certification by Ministry of Labor Indonesia) – K3 Ahli Kebakaran
- Certified General Safety Specialist (Certification by Ministry of Labor Indonesia) – Ahli K3 Umum
- EVONIK Approved Facilitator for HAZOP/HAZID/SIL by EVONIK Global Process Safety Committee
- Approved Trainer for Process Safety Management, Human Factor Engineering and Safety Engineering for PETRONAS PD&T
- Approved Trainer for Risk Assessment & Management for ExxonMobil
- PSM Trainer for Asian Pulp & Paper
- PSM Audit Trainer for Medco Energi Indonesia
- Senior Process Safety and Operation Management Specialist in LebSolution with over 10 years of experience. Adam previously worked as Senior Process Safety Engineer at PETRONAS Carigali Indonesia & Technical Safety at PETRONAS Project Delivery & Technology Malaysia, Process Safety, and OIMS & Risk Coordinator for ExxonMobil, and Process Design Engineer at Total EP Indonesia.
- Adam is well-experienced facilitator/ consultant in various process, process safety management, and technical safety studies/ trainings (Consequence Modelling, Formal Safety Assessments, HSE Case, Fire Protection & Safety Design, ALARP Demonstration Study, Human Factor Engineering, HAZID & HAZOP, etc.) for Oil&Gas and Petrochemical industries.



Beny Destiawan, ST, SFS

Sr. Process/ Process Safety Engineer
Process Safety Management (PSM) Specialist
Certified SIS Functional Specialist
HAZOP/PSS Lead Facilitators/Chairman

- Certified Safety Instrumented System Fundamental Specialist from Inter. Society of Automation (ISA)
- Approved "Risk Assessment Facilitator & Team Leader" for PP Energi operations and projects
- Certified Competent HAZOP Specialist from BNSP (Professional Certification Authority).
- Certified Member of BKK-PII (Institution of Chemical Engineering Indonesia).
- Certified Sea Survival from Jakarta Offshore Training Center (JOTC),
- Certified Risk Assessment Facilitator & Team Leader from PT Odira Energy Karang Agung (OEKA)
- Certified Ahli K3 Umum from Indonesian Ministry of Labour
- Member of CCPS (Center for Chemical Process Safety) Process Safety Beacon.
- Member of Komunitas Miliis Migas Indonesia (KMI)
- Member of Alumni Association of Chemical Engineering, Diponegoro University
- Beny graduated from Chemical Engineering, Diponegoro University with a satisfactory score. Started career in LebSolution Indonesia as Process Safety Engineer, PSM Specialist & HSE Specialist with over 6 years of experiences.
- Involved and experienced in facilitating various safety studies (HAZID/ HAZOP/ SIL, etc.) and also Process Safety Management (PSM) and QHSE Management System audit, assessment, development, and implementation for industries. Certified for Safety Instrumented System Fundamental Specialist (by International Society of Automation – ISA), and certified for Process Hazard Analysis (HAZOP specialist by BNSP).

Our Consultants

Founded by individuals having **long proven experiences in the industries**, supported by qualified Consultants and Associate Consultants, LebSolution will benefit the industries with proven pragmatic approaches of solution.



Iis Sumarni, ST

Senior Process / Process Safety Engineer
Senior Operation Management Specialist

- Chemical Engineering from University of Indonesia
- Geothermal Engineering from Institute of Technology Bandung
- Certified TBOSIET Professional
- Iis is a Sr. process safety with ten (10 years) experience in Oil and Gas field, Geothermal energy and waste to energy program. She has diverse experience in design of Greenfield and Brownfield developments from Concepts, FEED, Detailed Design through to Construction, Commissioning, Start up and Operations and also in project management.

Technical Experience:

- Process and Process Safety and Technical Risk for oil and gas and geothermal field: include MAH, ALARP Studies, FERA, ESSA, EERA, HAZOP HAZID SIL Study, Equipment sizing and calculation and feasibility study.
- Operational Safety (Readiness Review, SCE PS, Operational Safety Case)
- Human Factor Engineering
- Safety Training



Deri Iryawan, ST

Process/ Process Safety Engineer
Process Safety Management (PSM)
Specialist

- Certified HAZOP Leader from BNSP (Badan Nasional Sertifikasi Profesi)
- Member of Persatuan Insinyur Indonesia (PII)
- Member of Ikatan Ahli Teknik Minyak Indonesia (IATMI)



Muhammad Raihan, ST, B.Eng (Hons)

Process/ Process Safety Engineer
Process Safety Management (PSM)
Specialist

- PT Medco EP Tarakan, HAZOP M12 Flare Modification
- PT Medco EP Tarakan, HAZID M12 Flare Modification
- PT Medco Energi, Bowtie-SCE-MAH Training (Facilitator)
- PT Pertamina EP, Donggi HAZOP Revalidation (Scribe)
- PT Medco Energi, Madura Operations Safety Case
- PT Medco Energi, Sampang Operations Safety Case
- PT Medco EP, South Sumatra Block MAHAR Workshop (Scribe)
- Sangka Indonesia Pangkah Ltd., PSM Refresher Training (Facilitator)
- PT Medco EP, Tarakan Safety Dossier (Scribe)



Hashfian Anzhari, ST

Process/ Process Safety Engineer
Process Safety Management (PSM)
Specialist

- Scribe for HAZOP M12 Flare Improvement Workshop, Medco E&P
- Scribe for HAZID M12 Flare Improvement Workshop, Medco E&P
- Process Engineer for DED Aroma Chemical Plant, Natura Perisa Aroma
- Process Engineer for FEED Bio Refinery Project RU III, Kilang Pertamina International

Our Associate Consultants

Founded by individuals having long proven experiences in the industries, supported by qualified Consultants and Associate Consultants, LebSolution will benefit the industries with proven pragmatic approaches of solution.

Safety, Technical, & Environment



Ir. Sutrisno, M.Si

Senior Condition Monitoring Specialist
Maintenance Specialist



Riko Prihantono, ST

Senior Asset Integrity Specialist
Certified Pressure Vessel Inspector
Certified (RBI) Facilitator & Auditor
Certified Scaffolding Competent Person,
Hands On, Design & Loading, and Suspended



Ir. Ade Surya Febsandry

Designated Person Ashore (DPA)
Company Security Officer (CSO)
HSE Marine Specialist
Marine Project Management Specialist



Narwoko, ST, MPM

Senior HSE Engineer
Senior HSE Management Specialist
Senior Environmental and Oil Spill
Management Specialist



Hendra Messa, Ir.

HSE Engineer & HSE Mngt Specialist
Behaviour Base Safety Specialist
Contractor Safety Management System
Project Safety Management



**Pangestiarso Nugrahanto, Ir. MBA, CDGP,
CET, CDGT**

QHSE Management System
ISO 9001, ISO 14001, OHSAS 18001
Behaviour Base Safety Specialist
Contractor Safety Management System



Clients & Projects

Proven commitment to quality delivery. Make us your partner in business, only if you are sure we will help bringing the solution to your agenda.

10+ years; 170+ Projects ; 75+ Clients

Feb-2012: Technical Consultancy for PT. Artha Purba Wasesa (Maintenance Chemical Suppliers & Services Company)



Feb-2012: Technical Consultancy for Steam Turbine Condensor Cleaning Project for PT. Krakatau Daya Listrik (Power Plant)



April-2012: Training on "Accident Investigation", for PT. Titan Petrochemical (PE Plant).



May-2012: Facilitator of SIL Study on Offshore Tie-In Project for Premier Oil Ind. (O&G)



Nov-2012: Facilitator of Safe System of Work Self Assessment for HESS Pangkah Indonesia Ltd (Oil&Gas)



Jul-2012 – Dec-2013: Training for HESS Indonesia : Onshore Production, Basic Process Control & Inst., Basic Process Safety, Basic Offshore Process Safety, Job Safety Analysis



May-Dec 2012: Training and Roll-Out Campaign on "Process Safety Management" OYONG FPSO and "Process Safety Inspection" SEAGOOD FPSO, SANTOS Indonesia (Oil&Gas)



Sep-Oct 2012: Training on "Process Safety Management", for Onshore and FPU Joko Tole, Kangean Energy Ind(Oil&gas)



Clients & Projects

10+ years; 170+ Projects ; 75+ Clients

Feb-2013: Training on "Process Safety Management", for Maleo MOPU platform, Radiant Utama Interin (O&G)



Apr-2013: Training on "Process Safety Management" for PT. Pupuk Indonesia Holding Company (Petrochemical)



May-2013: Training on "Basic HAZOP Study", 1 batch, for PT. Amoco Mitsui PTA Indonesia (BP Petrochemical)



May-2013: PSSR Facilitation for VLP Compressor Proj. in KEI (Oil&Gas)



Apr-Jun 2013: PSM Self Assessment Facilitation for Onshore and FPU Joko Tole, Kangean Energy Indonesia (Oil&Gas)



Sep-Oct 2013: Facilitator of SSoW Audit Data Analysis for HESS Pangkah (Oil&Gas)



Oct-2013: HAZID & HAZOP Facilitator for Pertamina EP Pondok Makmur Development Project (Oil&Gas) – RPE-PEP



Dec-2013: Reliability Availability Maintainability (RAM) Study for Pertamina EP Donggi Gas Development Project – REKIND-PEP.



Jan-2014: PSM Overview for 300 and 200 employees of Pupuk Kujang Cikampek and Pupuk Iskandar Muda Aceh (Petrochemical)



Facilitator of Marine Safety Procedure Upgrade for Onshore and FPU Joko Tole, Kangean Energy Indonesia (Oil&Gas)



Clients & Projects

10+ years; 170+ Projects ; 75+ Clients

Feb-2014: Training & Workshop Facilitator on "Process Safety & Integrity Management", for PHE ONWJ (Oil & Gas).



Mar-2014: Facilitator of SIL Verification Study for ConocoPhillip Suban Condensate Tank Project (Oil&Gas)



Mar-2014: Training & Workshop Facilitator on "Safe System of Work" for 5 fertilizer plant under Pupuk Indonesia Holding Company (Petrochemical).



Apr-2014: Facilitator for Marine Operation & Safety Procedure Upgrade for Onshore and FPU Joko Tole – Ph 2 K.E.I



May-2014: Facilitator for "HAZOP Analysis Technique" for Simply Safety Singapore,



Jun-2014; Facilitator for "HAZOP + SIL Studies" for PEP Donggi Gas, Gas Plant.



Aug 2014 : HAZID Facilitator for PHE ONWJ Bravo Revalidation



Aug 2014 : HAZID & HAZOP Facilitator for ConocoPhillips RAWA Produced Water Disposal Pipeline Project.



Aug-Dec 2014 : Training Facilitator for "HAZOP Study " and Facilitator for "HAZOP Revalidation Study" for whole plant of PatraSK Lube Base Oil Refinery Plant (140 Nodes).



Clients & Projects

10+ years; 170+ Projects ; 75+ Clients

Oct-2014 : HAZOP Lead Facilitator for Pertamina Refinery Unit II Dumai, Open Access Phase-1 Project.



Oct-2014 : Training Facilitator for Premier Oil Indonesia PSM & LOPC "Management & Reporting" (10 batches, in Progress).



Dec-2014 : HAZID Lead Facilitator for Tately NV Budi Phase-2 Drilling Campaign.



Jan-Feb 2014 : HAZOP Facilitator for Pertamina Geothermal Energy (PGE) "Ulubelu 3&4 Geothermal Power Project" by consortium of Rekeyasa Industri and Sumitomo.



Oct-2014 - May-2015: Facilitator for "Control of Work Improvement & Integration" Project for SAKA Energi Pangkah Ltd, Oil&Gas.



Mar-Jun 2015: Facilitator for "PSM Self Assessment" Project for offshore platforms and Oil tanker unit PHE WMO, Oil&Gas.



Clients & Projects

10+ years; 170+ Projects ; 75+ Clients

Mar-2015 : Guest Lecturer for Chemical Engineering Department, Institut Teknologi Bandung, on "Process Safety Management".



Chemical Engineering
Institut Teknologi Bandung

Apr-2015: Facilitator on "Incident Reporting & Investigation Procedure Improvement", for PHE ONWJ (Oil & Gas).



Apr-2015 : HAZID & HAZOP Facilitator for ConocoPhillips DAYUNG#3 Produced Water Disposal Flowline Project.



May-2015 : Training Facilitator for Premier Oil Indonesia PSM & LOPC "Management & Reporting" for Managers .



May-June 2015 : HAZOP Facilitator for Pertamina Geothermal Energy (PGE) "Lahendong 5&6 Geothermal Power Project" by consortium of Rekayasa Industri and Sumitomo.



August-2015 : Training Facilitator for KEI on "PSM Training" for BW Offshore Joko Tole FPU Operation Team



July - Sep 2015 : Training Facilitator for SAKA Indonesia Pangkah Ltd on "LPG Fundamental & Improvement" for SIPL Employee



Clients & Projects

10+ years; 170+ Projects ; 75+ Clients

<p>Sept-2015 : HAZOP Facilitator for Pertamina EP Pakugajah Development Project (Compressor & DHU Package)</p>	
<p>Sept-2015 : Risk Assessment Facilitator on "3D Seismic Operation", for REPSOL SAKAKEMANG Development.</p>	
<p>Oct-2015 : Facilitator for "HAZID/HAZOP Studies" for PHW WMO Water Injection Pump Project, and TRA for Pigging Ops.</p>	
<p>Oct-2015 : Facilitator for "HAZOP Studies" for PEP BW Platform FEED Gas Lift Pipeline, Receiver, Injection Project</p>	
<p>Nov - Dec 2015 : Training Facilitator for PHE WMO on "PSM Training" for PHE WMO Employees</p>	
<p>Oct 2015 - March 2016 : PSM Improvement Services for OYONG SEAGOOD FPSO, SANTOS Indonesia Operations.</p>	
<p>Oct-2015: Facilitator for Emergency Response and Field Visit Procedure Upgrade for Kangean Energy Indonesia (KEI)</p>	



Clients & Projects

10+ years; 170+ Projects ; 75+ Clients

Oct-Dec 2015 : HAZOP Facilitator for Pertamina Geothermal Energy (PGE) "KARAHHA Geothermal Power Project" by ALSTOM & HAWKINS



Dec 2015 : HAZOP Facilitator for PHE WMO PPP Flare Improvement Project



Dec 2015 - Apr 2016 : Site Leader Assessment Program on Safety Case Documents for OYONG SEAGOOD FPSO



Jan-Mar 2016: Facilitator on "Risk Management Training", for PHE ONWJ (Oil & Gas).



Feb-May 2016: Facilitator on "Site ERP Upgrade" for PHE WMO (Oil & Gas).



April 2016 - September 2016 : Site PSM Improvement Services for SANTOS Indonesia Operations.



Nov-2015 – Jun-2016: Facilitator on "Risk Management Training", for PHE ONWJ (Oil & Gas).



Sept-2016 : Facilitator for Review and Translation of Laboratory Procedure for REPSOL SAKAKEMANG Drilling



Clients & Projects

10+ years; 170+ Projects ; 75+ Clients

Aug-Nov 2016: PSM Development (Manual & Procedures) and Trainings for MedcoEnergi (Oil & Gas)



Sep-2016 : HAZOP & HAZID Facilitator for PHE ONWJ Onshore Production Facility - Waste Water Treatment Plan



Sep-2016 : Facilitator for PHE WMO PSM Awareness Session for Leadership Team



Oct-2016 : Motivational Facilitator in 2016 HSE Contractor Forum for SAKA Indonesia Pangkah Ltd.



Oct-2016 : Facilitator for POLYTAMA PROPINDO PSM Awareness Session for Leadership Team



Oct-2016 : HAZOP & HAZID Facilitator for MEDCO BLOCK A Production Manifold, Flowlines, and Pigging Facilities



Oct-2016 : QRA Procedure Development for REPSOL Indonesia



Oct-2016 : Facilitator for POLYTAMA PROPINDO PSM Training Program for Supervisory Level



Clients & Projects

10+ years; 170+ Projects ; 75+ Clients

Dec-Apr 2017: SIPL iCOW Improvement 2017 Program
(Develop systems and procedures, and deliver roll-out)



Apr-Mar 2017: HAZID/HAZOP/LOPA Facilitator for PHEONWJ
SP New Field Development Project, April 2017



April – 2017 : HAZOP Study Facilitation for IDEMITSU
Lubricant Delta i-Project – MAIN PROCESS



April – November 2017 : MEDCO ENERGI E&P, PSM
Implementation Service.



May – 2017 : HAZOP Study Facilitation for IDEMITSU
Lubricant Delta i-Project – UTILITIES & FIRE SYSTEM



May – 2017 : HAZOP Study Facilitation for Subsea Pipeline –
Single Point Mooring Project for Pertamina RUVI Balongan



May – 2017 : LebSolution HAZARD GAME[®] Facilitator in 2017 HSE
Appreciation Day for SAKA Indonesia Pangkah Ltd.



July – 2017 : HAZOP/HAZID Facilitation Services for SIPL Offshore
VLP Compressor Operation



Clients & Projects

10+ years; 170+ Projects ; 75+ Clients

Sept – 2017 : Consulting Services for Technical Report Finalization on "Genting Oil LNG Technology Selection Study".



Oct-2017: Facilitation Services for PSM Audit on selected PSV elements for KEI & BW Offshore FPU Jokotole (Joint Review on Maintenance Program, MoC, & PSSR)



Oct-2017: Facilitator for PHEWMO PSM Enhancement Training Program 2017-2018 (Project Safety Review & PSSR)



Nov-2017: Facilitator for SAKA Indonesia Pangkah Ltd, PSM Refreshment Training Program 2017



Nov-2017: Facilitator for PHEWMO PSM Enhancement Training Program (Process Safety Management)



Dec-2017: Facilitator for BKKPII Public Training on Process Safety Management at Pupuk Kujang Cikampek



Dec-2017: Facilitator for BKKPII-UNTIRTA Problem Solving Skill for Engineer Training



Jan-2018: Lead Facilitator for Medco E&P Pre-Startup Safety Review (PSSR) Training and Assessment



Clients & Projects

10+ years; 170+ Projects ; 75+ Clients

Jan-2018: Lead Facilitator for SIEGWERK HAZOP Study on Solvent Recovery System



Q1-2018: Facilitator for PHEWMO PSM Enhancement Training Program (Process Hazard Analysis - HAZOP)



Q1-2018: Facilitator for PHEWMO PSM Enhancement Training Program (PSSR – Pre Startup Safety Review)



Q2-2018: Facilitator for PHEWMO PSM Enhancement Training Program (Technical Risk Management ISO-31000)



Q2-2018: HAZOP Study Lead Facilitator for “Retrofit of IC&PS STG PP, Pertamina RU V Balikpapan” Project



April-2018: Renewal of *Sistem Manajemen Mutu (SMM)* ISO 9001:2015 Consultation



May-2018: HAZOP Study Lead Facilitator for “Provision of Single Point Mooring (SPM) for Loading Condensate from Offshore to Onshore Project”



Clients & Projects

10+ years; 170+ Projects ; 75+ Clients

July 2018: Facilitator for in house training – Awareness of Integrated Management System (IMS) for Quality Occupational Health & Safety and Environmental, based on ISO 9001:2015 ; ISO 45000:2018; and ISO 14001:2015



July 2018: Facilitator for PROCESS SAFETY MANAGEMENT (PSM) Leadership Awareness



Aug 2018: Lead Facilitator for HAZOP Study for KEI FPU Joko Tole LP Mode Phase-2 Project



Nov 2018: Lead Facilitator for HAZOP & HAZID Study for "SIPL WHP-B Temporary Gas Lift Compressor" Project



SAKA Indonesia Pangkah Limited

July 2019 PHE Nunukan Co., Facilitator for PSM Training



Jan-Dec 2019: SAKA Energi Indonesia, PSM Development and Implementation Services



SAKA Indonesia Pangkah Limited

Jan-Dec 2019: OPHIR Energy, Facilitator for Process Safety Program 2019 (PSM Training, MAHAR Register Development, SCE Identification, and Safety Case Development)




Clients & Projects

10+ years; 170+ Projects ; 75+ Clients

Aug-Dec 2019: Facilitator for HAZOP Revalidation Study and Workshop of EVONIK Betain-2 Manufacturing Plant



Oct-2019: Lead Facilitator for PSM Training for PT Pembangkitan Jawa-Bali (Power Plant)



Nov-2019: Facilitator for Audit Training of Integrated Management System (IMS) for Quality Occupational Health & Safety and Environmental, based on ISO 9001:2015 ; ISO 45000:2018; and ISO 14001:2015



Oct-Dec 2019: Lead Facilitator for PSM Audit and Process Safety Culture Assessment of Medco E&P Indonesia Onshore



Oct-Dec 2019: Lead Facilitator for Ophir BKN MAHAR Follow-Up (Fire Water Demand Study; Consequence Modelling and HAZOP for MeOH & Diesel Storage Tanks and Burnt-Pit)



Dec-2019: Facilitator for Safety & Security Audit for Sampoerna School System L'Avenue Campus, Jakarta



Nov-Dec 2019: Lead Facilitator for PSM Training for Group Companies under Asia Pulp & Paper Sinarmas



Jan-Feb 2020: Lead Facilitator for PSM Audit for SAKA Indonesia Pangkah Ltd. (Onshore & Offshore)



Clients & Projects

10+ years; 170+ Projects ; 75+ Clients

February 2020: Key Note Speaker at Medco Energy Global HSE Summit 2020: "Process Safety Perspective in Leadership Framework".



Jan-Nov 2020: Lead Facilitator for PSM Development PT Pembangkitan Jawa-Bali (Power Plants) Kantor Pusat



Oct-Feb 2020: Ophir BKN MAHAR Follow-Up (Fire Water Demand Study; Consequence Modelling and HAZOP for MeOH & Diesel Storage Tanks and Burnt-Pit)



March-2020: Lead Facilitator for PSM Audit Campaign for PT Pembangkitan Jawa-Bali (Power Plant)– **UBJOM Indramayu**



March 2020: Lead Facilitator for MAH-BOWTIE-SECE Training for Group Companies under Pertamina Hulu Energi



March-2020: Lead Facilitator for PSM Audit Campaign for PT Pembangkitan Jawa-Bali (Power Plants) – **UP Muara Karang**



April 2020 : Lead Facilitator for "HAZOP Revalidation Study 2020", whole plant of PatraSK Lube Base Oil Refinery Plant.



Jan-June 2020: Lead Facilitator for Competency Management System – Operatuion & Maintenance for SAKA Indonesia Pangkah Ltd. (Onshore & Offshore)



August-2020: Lead Facilitator for PSM Audit Campaign for PT Pembangkitan Jawa-Bali (Power Plants) – **UP Paiton**



August-2020: Lead Facilitator for PSM Audit Campaign for PT Pembangkitan Jawa-Bali (Power Plants) – **UBJOM Paiton**



Clients & Projects

10+ years; 170+ Projects ; 75+ Clients

<p>October 2020: PSSR Facilitation for CO2 Compressor Installation, Bentoel Dry Ice Expanded Tobacco Plant (DIET)</p>	
<p>Oct-Dec 2020: Online PHA Training (HAZOP & HAZID) for Medco E&P</p>	
<p>January 2021: HAZOP-HAZID FEED LNG Terminal LNG Regasification terminal including LNG jetty and loading arm facility to LNG Carrier Vessel</p>	
<p>2021: Majaor Accident Hazard (MAH), BowTie, and Safety Case Dev for Medco E&P Lematang, Tarakan, Rimau and SSB</p>	
<p>April 2021: HAZOP Study Vanillin Process</p>	
<p>March-Oct 2021: Refresher Training on Process Safety Management for SAKA Indonesia Pangkah Limited</p>	
<p>Sept 2021 : Online Training "Modern Oil & Gas Industry HSSE Management System" for PHE Ogan Komering</p>	
<p>Nov-Dec 2021: Development Electronic Control of Work (eCOW) for SAKA Indonesia Pangkah Ltd.</p>	
<p>November 2021: HAZOP, HAZID and SIL Study for Medco E&P Natuna (MEPN) PAUS BIRU Paus Biru Development</p>	



Clients & Projects


10+ years; 170+ Projects ; 75+ Clients

December 2021: Process Safety Study (HAZID, HAZOP, SIL) Revalidation Study for EVONIK Sumi Asih Reactor B&C	
2021-2022: Development of Operational Safety Case for Medco E&P Offshore – Sampang & Madura PSC	
Jan-2022: Online Training “Pre-Startup safety Review” for Medco E&P Onshore	
Jan-2022: HAZOP Revalidation Study For Pertamina EP Donggi Plant	
Jan-2022: HAZOP Revalidation Deferral Assessment for Medco E&P Onshore	
Jan-Mar 2022: Online Training “MAH-BOWTIE-SCE” for Medco E&P Onshore: Tarakan, Lematang, Rimau and SSB	
Mar-2022: Online HAZOP Study for Medco E&P Tarakan M12 Flare Improvement Project	
Apr-2022: Online HAZOP/HAZID Study for Medco E&P Fire Water Upgrade Project – MATRA Station	
Apr-2022: Online HAZOP/HAZID Study for Medco E&P Fire Water Upgrade Project – IBUL Station	
May 2022: Online LebSolution Process Safety Management & Engineering Training for EcoOils Group (Indonesia-Malaysia)	
Mar-Jul 2022: PSM Training, PSM Audit, and PSM Auditor Training for Kaltim Parna Industri (Amoniak Plant)	 PT. Kaltim Parna Industri
Mar-Jul 2022: Online HAZOP Revalidation Study for Medco E&P Block-A Aceh (Batch-1)	



Clients & Projects







10+ years; 170+ Projects ; 75+ Clients

June-2022: "TASK RISK ASSESSMENT (TRA) An Overview for Leadership Team" Training for PHEONWJ HSSE Leadership	
Aug-2022: MEPI PSSR Procedure Update and Improvement	
Aug-Sep 2022: MEPI PSSR Refresher Training on the Updated PSSR Procedure	
Jul-Oct-2022: HAZOP Revalidation Study For Pertamina EP Matindok Plant	
Sep-Oct 2022: MEPI Manning Adequacy Review	
Jul-Aug 2022: Pre-Startup Safety Review (PSSR) of REKIND Pertamina EP Cepu – Gas Processing Facilities for The Unitization of Jambaran-Tiung Biru Field (JTB)	
September-2022: "Process Safety & Asset Integrity Management System – PSAIMS" Training for PHEONWJ Leadership Team	
October-2022: HAZOP-LOPA Study for Diesel Hydrotreating (DHT) Project in Dumai, Kasim, and Cilacap Refinery for Kilang Pertamina Internasional	



Clients & Projects

10+ years; 170+ Projects ; 75+ Clients

<p>November 2022: PSM Training for Management Team of SAKA Energy</p>	 <p>SAKA Indonesia Pangkah Limited</p>
<p>Oct-Dec-2022: HAZOP-LOPA-BOWTIE-SCE Study for PLN Nusantara Power (PT PJB) Muara Tawar CNG Plant</p>	 <p>Nusantara Power</p>
<p>Nov2022 - Jan2023: PSM AUDITING Training for Donggi-Senoro LNG</p>	 <p>Liquefied Natural Gas</p>
<p>Jun-2022 – Jul-2023: Phase-3 e-CoW Training & Assessment SAKA Energi</p>	 <p>SAKA Indonesia Pangkah Limited</p>
<p>Nov-2022 – Jun-2023: HAZOP Revalidation Study Medco E&P Block-A Aceh.</p>	
<p>Jul-2022 – Mar-2023: Process Safety Engineering Studies for Medco FOREL FPSO Time Charter, for Consortium of Hanochem-Cakra Bahana-MTC Engineering Malaysia</p>	



Office & Contact

WISMA LEBSOLUTION

Komplek Ruko Golden Madrid 2, Blok I-22, BSD City
 Jl. Letnan Sutopo, Serpong, Tangerang Selatan
 Banten – 15310
 Indonesia

Ir. Lukmanul Hakim, IPM

President Director

☎ : +62(21)53164918
 📠 : +62(813)83772192
 @ : lukmanul.hakim@lebsolution.com

Teguh Diyanto, ST, MM, PMP

Business Development Manager

☎ : +62(21)53164919
 📠 : +62(812)81281205672
 @ : teguh.diyanto@lebsolution.com

Adam M. Musthafa, ST, MT, IPM, CFSP, CCPSC

Technical Director

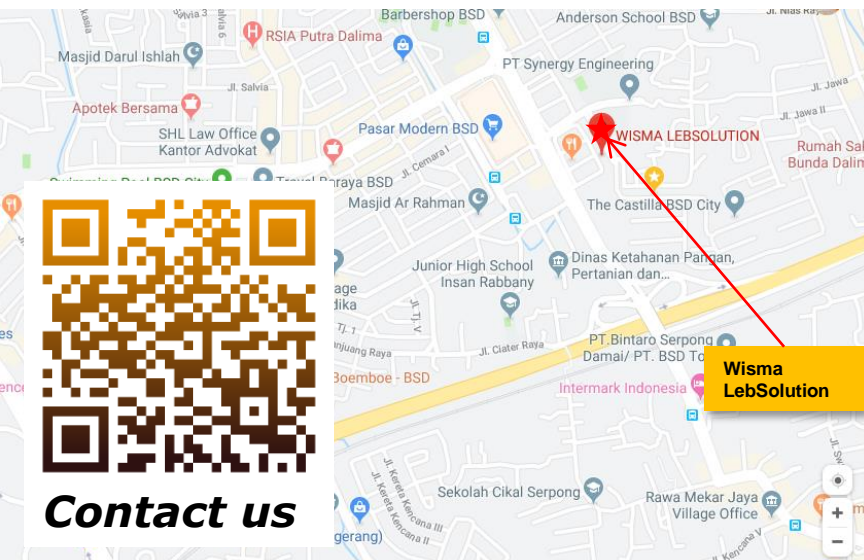
☎ : +62(21)53164919
 📠 : +62(813)18535963
 @ : adam@lebsolution.com

Ono Taryono, ST, CFSP

Operation Director

☎ : +62(21)53164919
 📠 : +62(811)2400211
 @ : ono.taryono@lebsolution.com

www.lebsolution.com



Contact us

Thank You ...

Your Partner, By Being Your Solution

