PT. Lebah Solusi Indonesia
Company Profile, October 2017

Technical & Risk Management Consulting

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 national and international clients in the Asia Pacific regions, such as Pertamina HE, Pertamina EP, Pertamina GE, Pertamina RU, Titan Petrochemical, BP Petrochemical, HESS, Santos, Premier Oil, TATELY NV, ALSTOM, Repsol, Kangean Energi Indonesia, SAKA Energi, Pupuk Indonesia, Simply Safety Singapore, PatraSK LBO, Rekayasa Industri, Medco E&P, POLYTAMA Propindo, JGC, MEINDO, IDEMITSU, 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

“Acknowledged and selected by industry, capable in delivering added values to stakeholders.”

Mission

- Legally compliant, qualified, and professional,
- Creating synergy with client and similar service provider,

Values

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

Motto

Simply stated:

*Your Partner, ....*

*By Being Your Solution*

Confirming our strong commitment in delivering solution to you
Consultancy & Facilitation in Workshop, Training/Education, System Development, and Implementation Coaching, in the following important aspects in Oil & Gas and Petrochemical industries.

Risk Management
• Process Safety Management
• Safety Studies : HAZID, HAZOP, SIL/LOPA, etc
• Consequence Modelling
• RAM Study
• Pre-Startup Safety Review (PSSR),
• Independent Incident Investigation

Process & Process Safety Engineering
• Process Design Engineering
• Functional Safety Engineering
• Technical Report,
• Feasibility Study

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

**PT. Abyor International (Abyor)**
Abyor is one of the best authorized SAP partner in Indonesia, with offices in Indonesia, Singapore, Australia, and Netherlands, serving a global client base. Together with Abyor, LebSolution will be able to help you in business process improvement and SAP licensing, implementation, and consultation.

Visit Abyor: http://www.abyor.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 of LebSolution  
Senior Process / Process Safety Engineer  
Senior Operation Management Specialist  
Insinyur Profesional Madya

**Ir. Akhmad Khaqim, CEng, CFSP**
Technical Safety & Risk Manager  
Senior Process Safety Specialist  
Certified Functional Safety Specialist  
Certified NEBOSH ITC Oil&Gas  
Chartered Chemical Engineer - MICheM

**Ir. Andre Mulia, MM.**
Corporate Planning and Business Development Manager  
Senior Planning & Performance Specialist

**Ir. Erick Saul, CFSP**
Sr. Process / Process Safety Engineer  
Process Safety Management Specialist  
Certified Functional Safety Professional

**Ir. Beny Destiawan, SFS**
Process / Process Safety Engineer  
Process Safety Management (PSM) Specialist  
Certified SIS Functional Specialist

**Ir. Andriyansyah, IPM**
Senior Process / Process Safety Engineer  
Senior Operation Management Specialist

**Ir. Dedi Irawan, SFS**
Process / Process Safety Engineer  
Process Safety Management (PSM) Specialist  
Certified SIS Functional Specialist

**Ir. Ainun Margiansyah Putri, SFS**
Process / Process Safety Engineer  
Process Safety Management (PSM) Specialist  
Certified SIS Functional Specialist
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

Narwoko, ST, MPM
Senior HSE Engineer
Senior HSE Management Specialist
Senior Environmental and Oil Spill Management Specialist

Ir. Ade Surya Febandsny
Designated Person Ashore (DPA)
Company Security Officer (CSO)
HSE Marine Specialist
Marine Project Management Specialist

Hendra Messa, Ir.
HSE Engineer & HSE Mngt Specialist
Behaviour Base Safety Specialist
Contractor Safety Management System
Project Safety Management

Business & Management

• Ir. Hari Tjahjono: President Director Abyor International, Official SAP Partner (Licensing, Implementation, and Consultation).
• Ir. Budi Setyawan: QHSE Mngt System Expert, ASQ Sig Sigma Black Belt (CI Expert), QMS IRCA Lead Auditor, Lean Expert.
• Sam A. Alkaaf, SH, MBA : Human Resource & Industrial Relation Expert (dispute mediation, employer-labor negotiation, staff to executive man-power supply and recruitment services, corp. culture change agent, etc).
• Expert Consultant on Project Financial Consultancy and Feasibility Study.
• Expert Consultant on Public and Private Partnership.
• Many other associate consultants.
## 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.

### 5+ years; 90+ Projects; 30+ Clients

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Company Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb-2012</td>
<td>Technical Consultancy for PT. Artha Purba Wasesa (Maintenance Chemical Suppliers &amp; Services Company)</td>
<td>APW</td>
</tr>
<tr>
<td>Feb-2012</td>
<td>Technical Consultancy for Steam Turbine Condensor Cleaning Project for PT. Krakatau Daya Listrik</td>
<td>Energy Solution</td>
</tr>
<tr>
<td>April-2012</td>
<td>Training on “Accident Investigation”, for PT. Titan Petrochemical (PE Plant).</td>
<td>TITAN CHEMICALS</td>
</tr>
<tr>
<td>May-2012</td>
<td>Facilitator of SIL Study on Offshore Tie-In Project for Premier Oil Ind. (O&amp;G)</td>
<td>Premier Oil</td>
</tr>
<tr>
<td>Nov-2012</td>
<td>Facilitator of Safe System of Work Self Assessment for HESS Pangkah Indonesia Ltd (Oil&amp;Gas)</td>
<td>HESS</td>
</tr>
<tr>
<td>May-Dec 2012</td>
<td>Training and Roll-Out Campaign on “Process Safety Management” for Santos Indonesia (Oil&amp;Gas)</td>
<td>Santos</td>
</tr>
</tbody>
</table>
Clients & Projects

5+ years; 90+ Projects ; 30+ Clients

Feb-2013: Training on “Process Safety Management”, for 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 KEI (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


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 KEI (Oil & Gas)
Clients & Projects

5+ years; 90+ Projects ; 30+ 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)


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-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

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


Mar-Jun 2015: Facilitator for “PSM Self Assessment” Project for PHE WMO, Oil&Gas.
Clients & Projects

5+ years; 90+ Projects; 30+ Clients

Mar-2015: Guess Lecturer for Chemical Engineering Department, Institut Teknologi Bandung, on “Process Safety Management”.

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


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


August-2015: Training Facilitator for KEI on “PSM Training” for BW Offshore Joko Tole FPSO Joint Operation Team

July-Sep 2015: Training Facilitator for SAKA Indonesia Pangkah Ltd on “LPG Fundamental & Improvement” for SIPL Employee
## Clients & Projects

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<tr>
<td>Sept-2015</td>
<td>HAZOP Facilitator for Pertamina EP Pakugajah Development Project (Compressor &amp; DHU Package)</td>
</tr>
<tr>
<td>Sept-2015</td>
<td>Risk Assessment Facilitator on “3D Seismic Operation”, for REPSOL SAKAKEMANG Development.</td>
</tr>
<tr>
<td>Oct-2015</td>
<td>Facilitator for “HAZOP Studies” for PEP BW Platform FEED Gas Lift Pipeline, Receiver, Injection Project</td>
</tr>
<tr>
<td>Nov - Dec 2015</td>
<td>Training Facilitator for PHE WMO on “PSM Training” for PHE WMO Employees</td>
</tr>
</tbody>
</table>
Clients & Projects

5+ years; 90+ Projects; 30+ Clients


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

Dec 2015 - Apr 2016: Site Leader Assessment Program on Safety Case Documents

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.


Sept-2016: Facilitator for Review and Translation of Laboratory Procedure for REPSOL SAKAKEMANG Drilling
## Clients & Projects

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<table>
<thead>
<tr>
<th>Month</th>
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<tbody>
<tr>
<td>Aug-Nov 2016</td>
<td>PSM Development (Manual &amp; Procedures) and Trainings for MedcoEnergi (Oil &amp; Gas)</td>
</tr>
<tr>
<td>Sep-2016</td>
<td>HAZOP &amp; HAZID Facilitator for PHE ONWJ Onshore Production Facility - Waste Water Treatment Plan</td>
</tr>
<tr>
<td>Sep-2016</td>
<td>Facilitator for PHE WMO PSM Awareness Session for Leadership Team</td>
</tr>
<tr>
<td>Oct-2016</td>
<td>Motivational Facilitator in 2016 HSE Contractor Forum for SAKA Indonesia Pangkah Ltd.</td>
</tr>
<tr>
<td>Oct-2016</td>
<td>Facilitator for POLYTAMA PROPINDO PSM Awareness Session for Leadership Team</td>
</tr>
<tr>
<td>Oct-2016</td>
<td>HAZOP &amp; HAZID Facilitator for MEDCO BLOCK A Production Manifold, Flowlines, and Pigging Facilities</td>
</tr>
<tr>
<td>Oct-2016</td>
<td>QRA Procedure Development for REPSOL Indonesia</td>
</tr>
<tr>
<td>Oct-2016</td>
<td>Facilitator for POLYTAMA PROPINDO PSM Training Program for Supervisory Level</td>
</tr>
</tbody>
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Clients & Projects

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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


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

**5+ years; 90+ Projects ; 30+ Clients**

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<tr>
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<tbody>
<tr>
<td>Nov-2017</td>
<td>Facilitator for SAKA Indonesia Pangkah Ltd, PSM Refreshment Training Program 2017</td>
</tr>
</tbody>
</table>
Office & Contact

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

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✉️: +62(811)9721930
📧: akhmad.khaqim@lebsolution.com

www.lebsolution.com
Thank You ...

Your Partner, .... By Being Your Solution