



COMPANY  
PROFILE

**2026**

**SmartRisk**



# About SmartRisk

**SmartRisk** (PT.Solusi Manajemen Risiko Terintegrasi), which was established in March 2020, is a Joint Venture company with 90% ownership of Yayasan Pendidikan dan Kesejahteraan PT PLN (Persero) or YPK PLN which was established in 1993 and 10% of PT. Solusi Manajemen Resiko Terpadu (Smart) which was established in 2013. **SmartRisk** is engaged in managing risk management. We provide a comprehensive risk profile and assessment survey for all types of industries, especially for insurance needs. We also provide integrated solutions and services to develop or improve your company's operational risk management and safety management through consultation and training.

**SmartRisk** is committed to quality in every aspect of service through service standards, expertise and reasonable costs. We aim to be a worldwide risk management consultant and partner of choice in reducing your risk.

Our company's mission is to promote corporate awareness of risk reduction and work safety improvement by offering solutions to mitigate risk and support corporate loss prevention programs include financial losses, asset losses, labor, surrounding communities, the environment, image and reputation .

Our company is supported by a number of engineers and internal technical staff as well as experts with multi-disciplinary backgrounds with extensive experience and knowledge in the field of risk management and safety management, specifically in risk assessment of operational

assets, specializing in the following fields:

- Energy
- Agroindustry
- Mining
- Construction Project
- Communication & Technology
- High-Rise Building
- Port & Marine Cargo
- Insurance

In performing risk analysis, **SmartRisk** engineers adhere to national and international standards and guidance. Underpinned by several risk analysis software, we can also perform mixed qualitative and quantitative risk analysis, namely **Interwoven Method**, to present better understanding in risk profile of the evaluated facilities.

**SmartRisk** realises the fundamental value of experiment on forecasting and anticipating every possibilities in your business operation. Every step of the process help us to achieve a tremendous value of experience. By obtaining a wide range of experience, it given us the expertise to understand your business needs.

# Our Core Services



## Consultation

Operational Risk Assessment  
 Project Risk Assessment  
 Asset Valuations  
 Value Engineering Services  
 Risk Management & Insurance Planning  
 Business Continuity & Sustainability Studies  
 Disaster Risk Reduction

Third-Party Exposure & Loss Control Advisory  
 Engineering & Hazard Studies  
 Fire Risk Management  
 Process Safety Management  
 Business Research  
 HSE Consultancy  
 Other Consultancy Services



## Learning Centre

OHSE (Occupational Health, Safety & Environment)  
 Risk Management  
 Insurance



## IT Solution

IT Project Management  
 Production House  
 Big Data



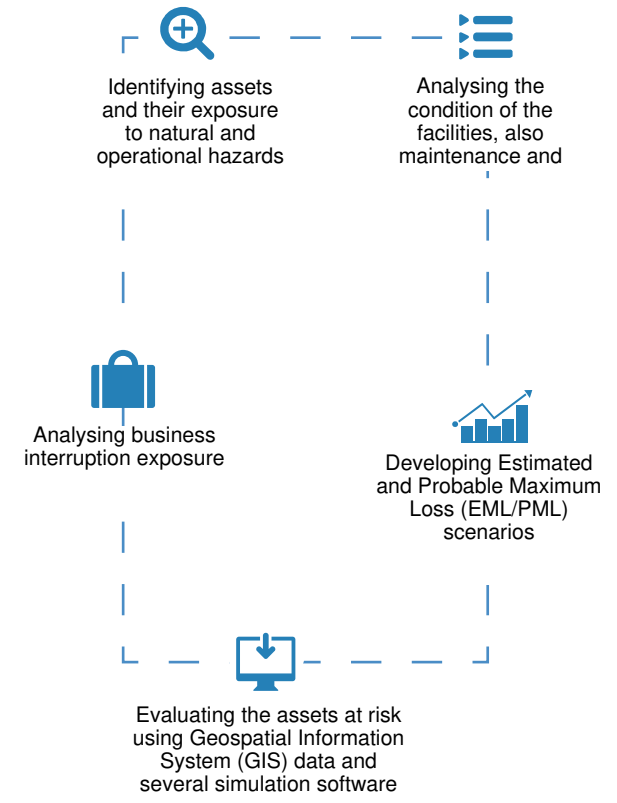
# Consultation

## Operational Risk Assessments

**SmartRisk** provides operational risk assessment for existing facilities for a wide range of industrial facilities. Each risk assessment will be performed distinctively based on agreed scope of work.

We generally provide these services for proposed or existing insurance arrangement. The outcome of these risk assessments can be benefitted to clearly recognise and communicate the thorough profile of assets at risk.

### Our services can include:



## Project Risk Assessment

The objective of the services is to help clients understand the risk associated during construction stages. The benefit of these services is to capture the risks and establish risk mitigation and prevention plans, thus can reduce costs of insurance premium during construction stages.

## Asset Valuation

We provide asset valuation services to aid companies in managing insurance premium while ensuring adequate coverage by accurately reviewing the reinstatement value of its assets. **SmartRisk** has developed comprehensive costing databases for various industries, including oil and gas, fertilizers, textile, paper industries and mining, to assist us in determining correct value for any region in the world for any reasons. Our database is also related to many widely used published indices, such as Nelson Farrar, Marshall and Swift, and Chemical Engineering Index. Our services can include advices on types of values required, such as replacement as new value, market value, forced sale value, etc.



# Consultation

## Value Engineering Services

**SmartRisk** has adopted a systematic and organised approach of value engineering to improve efficiency of construction projects by providing the necessary functions at the lowest cost. Value engineering promotes the substitution of materials and methods with less expensive alternatives, without sacrificing the safety and functionality aspect.

Our services are focused on:

- Analysing the functions of various components and materials, rather than their physical attributes
- Determining the relative importance of each function
- Measuring all the cost accurately
- Improving the efficiency by reducing high-cost components of little added value, and substituting with components that contribute significantly to the necessary functions

## Risk Management & Insurance Planning

**SmartRisk** provides risk management and insurance planning services for any organisation to review their risk management strategies and risk transfer measures. With expertise in insurance field, our engineers can bridge the coordination between technical and finance department by unbiased study on technical risk management measures and related insurance practices. These services will help the management to manage the risk effectively and profitably.

There are various types of insurance available in insurance market with lot of restrictions within the coverage offered. Our experts can analyse and recommend proper insurance protection based on assessments to prevent uneconomical and inefficient risk transfer costs.

## Business Continuity & Sustainability Studies

An organisation needs to be prepared for a challenging nature, whether caused by natural hazards or catastrophes, while keeping business operations going. **SmartRisk** can provide assistances for implementing business continuity management systems and standards to support the business in the event of a major (or minor) catastrophe. By putting business continuity plan in place, your company incorporate methods to enhance sustainability which can be both cost-effective as well as environmentally friendly.

## Third-Party Exposure & Loss Control Advisory

Any major incident or accident could possibly exposed surrounding communities to hazardous situation. If not recognised thoroughly, third-party liability could arise from that situation. **SmartRisk** provide broad analysis of surrounding area, and proposed effective mitigation measures to lessen the impact of catastrophes to third-parties in the neighbourhood.

## Disaster Risk Reduction

As disasters can impact both industrial facilities and surrounding communities, our stakeholders need to ensure the capabilities of all elements to carry out proper emergency responses in the event of disaster. **SmartRisk** offer complete solution for disaster risk reduction initiatives by providing systematic management of administrative decisions, organizations, operational skills and capacities to implement policies, strategies and coping capacities, when disaster strikes.

## Engineering & Hazard Studies

Our services offer a complete scope of pre-studies services to identify and evaluate credible process related hazards, assess adequacy of existing safe guard measures and recognize additional risk reduction opportunities.

The economic consequence of an effective risk management systems results in fewer accidents, improved profitability, optimum reliability, lower insurance costs and lower expenses related to catastrophic incidents.



# Consultation

## Fire Risk Management

The Fire Risk Management has been widely adopted by industries worldwide by adhering to various standards and guidelines. We offer the comprehensive solution for NFPA compliance and implementation of company-specific requirements by identifying possible fire hazards, assessing fire risk, analysing and suggesting possible mitigation measures to reduce fire risks as low as reasonably practicable (ALARP).

## Process Safety Management

The Process Safety Management (PSM) of Highly Hazardous Chemicals (HHC) standard has been the primary guideline for programs designed to prevent or minimize the consequences of catastrophic releases of HHCs. We provide assistances to implement PSM programme that comply with regulatory requirements. Generally, the advisory includes all PSM elements, although it can be tailored to suit your unique needs.

## Business Research

The end to end services from **SmartRisk** begins with study and research, which aims to understand the current state of the client's organization. This study can be in the form of customer loyalty surveys, employee engagement surveys, and field observations. The research process becomes the **SmartRisk**'s foundation in providing recommendations, according to the goals and needs of the organization.

## HSE Consultancy Services

- Performance Development – Integrated Management System of QHSE (e.g. QHSE Management System, SMK3, OHSAS Performance Evaluation)
- Improvement Action Plan for PROPER LH
- Improvement Action Plan for ISRS (International Sustainable Rating System)
- The internal company procedures of Contractor Safety Management System (CSMS) Development
- The emergency response procedure and plan Development
- Planning of Fire Protection Design
- Accompaniment in pre fire planning and emergency drill simulation
- Accompaniment in Incident Investigation implementation (major incident e.g. fire or fatality accident)



## HSE Culture Research

The survey aims to measure the position or level of corporate culture in HSE aspect, as follows:

- Psychology aspect
- Behaviour aspect
- Circumstance aspect

## Other Consultancy Services

We also offer other services that includes but not limited to:

## HSE Audit

- A. Assessment
  - Hazard Identification & Risk Assessment
  - HAZOP study
  - Fire Assessment (Evaluation of Fire Protection System)
  - Survey HSE aspect in construction stage (EPC) – High Risk Building, Production Facility e.g SPBU, SPPBE, Terminal LPG, Terminal BBM, etc
- B. HSE Audit
  - Performance Audit of QHSE Management System
  - The second party Audit for CSMS implementation
  - Performance Audit of HSE for plant facilities, e.g. SPBU, SPPBE, Terminal LPG / BBM, Manufacture Industry, etc

- Fire & Explosion Risk Assessment
- Fire & Explosion Investigation
- Fire & Explosion Protection Design System
- Forensic Engineering Investigation
- Dust Explosion
- Process Hazard Analysis (HAZOP, SIL, LOPA)
- Human Capital Maturity Level Assessment
- Organizational & Human Resources Transformation
- Integrated Performance Management





# Learning Centre & BNSP Certification

## Training

The purpose of our training is to understand the risk associated with each company and implementing appropriate prevention program that could minimise the risks and increase the productivity.

**SmartRisk** Learning Centre provides best services for trainees to provide field experience to all participants, we conduct simulations by using toolkits, tools and practices needed for training demos. Participants get a hard copy and soft copy of training materials as well as information or references that are relevant to the topic of training.

## Certification

As regional and global markets grow and expand, there are more companies seeking partnership with skilled, reliable, and safety aware clients. To ensure those quality, **SmartRisk** provides extensive accreditation and certification services.

We are affiliated with Indonesian National Board of Professional Certification (BNSP) in establishing our own competency assessment centre (TUK).

We also established cooperation with Prosafe Indonesia providing professional HSE Training and Certification by OSHAcademy.



## OHSE (Occupational Health, Safety & Environment) Training

### A. Training & BNSP Certification

- Training & Certification of Occupational Health & Safety Expert (Ahli K3 Umum Muda, Madya, Utama)
- Training & Certification of Occupational Health & Safety in Oil & Gas (Operator, Supervisor, Main Supervisor)
- Training & Certification of Safety Man in Oil & Gas
- Training & Certification of Authorized Gas Tester
- Training & Certification of Safety Inspector
- Training & Certification of Auditor in Management System of Occupational Health & Safety (SMK3)
- Training & Certification of Incident Investigation

### B. Expertise & Awareness Training based on tailor-made

- Basic Fire Fighting
- HSE Leadership
- Behavioral Based Safety (BBS)
- Implementation of Contractor Safety Management System (CSMS)
- Hazard Identification-Risk Assessment & Determine Control (HIRADC)
- Hazard Operability study (HAZOPs)
- HSE Planned Inspection
- Authorized Permit to Work (Gas Safety Inspector)
- Emergency Preparedness & Response Plan
- HSE Training for Manager of Gas Station and Filling Station (SPBU & SPPBE)
- Training for Safety Man of Gas Station and Filling Station (SPBU & SPPBE)



# Learning Centre & BNSP Certification



## Insurance-related Training

It is necessary for risk management personnel to grasp more advanced and technical aspect related to the insurance industries. **SmartRisk** insurance-related training courses including but not limited to: Fire Insurance, Business Interruption Insurance, Contractors Insurance, Liability Insurance, Property and Casualty Insurance, Marine Hull Insurance, and also Marine Cargo Insurance.



## Risk Management Training

### A. Training

- Training Needs Analysis
- Project, Program & Portfolio Management
- Enterprise Risk Management based on ISO 31000:2009 Risk Management International Standard
- Risk Management for Asset Management Company
- Risk Based Audit (RBA)
- Project Risk Management
- Business Continuity Management based on ISO22301:2012
- We can tailor made training program based on client needs within our expertise

### B. Training & BNSP Certification

- Certified Energy Risk Associate (**CERA**)
- Certified Energy Risk Manager (**CERM**)
- Certified Energy Risk Chief Officer (**CERCO**)

## People Development

We will assist organizations in determining the suitable human resource development programs. We also assists organizations in developing Corporate Universities, especially in developing academies within organizations.

Type of People Development Training:

- Services
- Sales
- Leadership
- Excellence

## Process Improvement

Aside from people development, we also support our clients in implementing continuous process improvement. We connect operational excellence with service quality. Improving process means delivering better service, leading to an increased customer satisfaction. Six sigma lays out the thinking process through data-driven, statistical analysis that aims to transform companies into leaner organization by saving cost and optimizing efficiency.

## Digital Learning

We dedicate our e-learning team to develop digitalized learning content for our clients. We deliver both customized and off the shelf (ready to use) learning program to suit client's needs. Our team are experienced in developing more than 1500 learning hours for the past ten years in both e-learning and mobile learning platform.





# IT Solution

IT solution provide tools or applications to carry out practical analysis and measurement using the basic data that we have.

## IT Project Management

Project management that is appropriate to the specific conditions in the company being managed, both in terms of time, cost and quality.

- IT Project Management & QA
- Green & Smart Building
- Document Management
- Dashboard Management System (DMS)

## Big Data & Analytic

Carry out structured and systemized data analysis processing for the productivity and effectiveness of the company's business activities.

- Big Data Consulting
- Big Data Implementation
- Big Data Training & Support
- Big Data managed Analytics Services



*Big Data Analytic technology helps companies make faster and better decisions, and is very effective to avoid mistakes in decision making.*  
**-Andreuw TA (Direktur Telkomsigma)-**

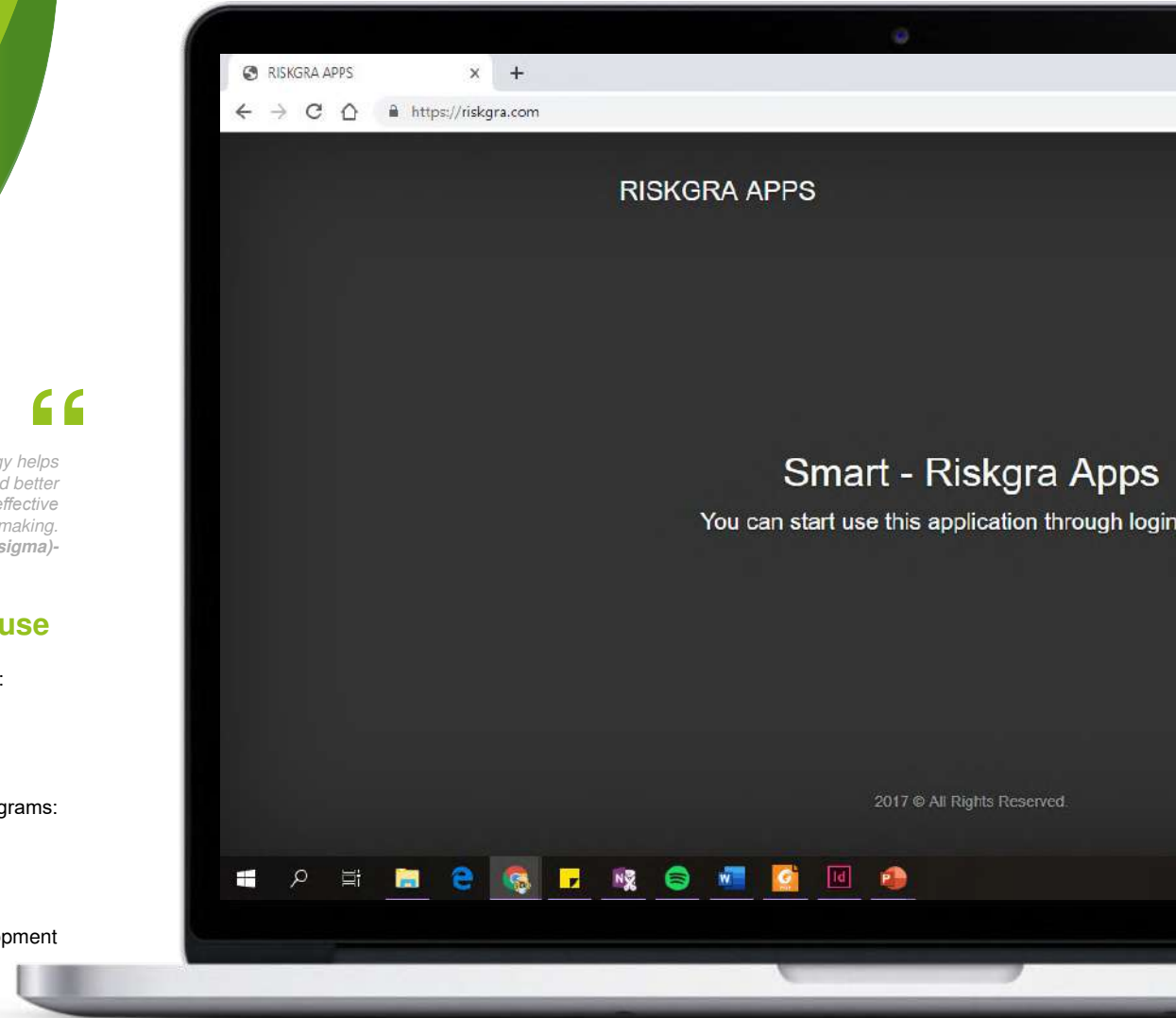
## Production House

Our available programs:

- HAZOP's
- RiskGra

Our project for next programs:

- Maturity Level
- Cyber Risk
- Website Development



# Tim Kami



**Rifky Assamady**  
Komisaris



**Adi Supriono**  
Direktur Utama



**Rustamadji**  
Direktur

**Muhammad Fazriansyah**  
General Manager  
Certified Risk Management Professional



**Sumyartono**  
RM & Insurance Expert



**Dwaya Putranti Sekarwening**  
(Risk Engineer)  
Petroleum Engineer



**Maulana Arba Aryadi**  
(Finance)  
Magister Finance



**Luthfi Adhyaksadiputra**  
(Risk Engineer)  
Mining Engineer



**Silvia Damayanti**  
(Risk Engineer)  
Electrical Engineer



**Rissa**  
(Risk Engineer)  
Corrosion Engineer



**Audi Karina Choirunisa**  
(Risk Analyst)  
Disaster Management Specialist



**Salsa Maharani Hapsari**  
(Risk Engineer)  
Electrical Engineer



**Walisani Mikolatia**  
(Risk Engineer)  
Electrical Engineer



**Delia Intan Pratiwi**  
(Management Officer)  
Public Relations



**Ronny Syahlani**  
(IT Support)  
System Information

# Tim Ahli

## Djoko Mulyadi

Djoko Mulyadi is a practitioner and trainer in the field of electricity. He worked at PT PLN (Persero) from 1985 to 2014, specializing in transmission and distribution. He holds certifications as an assessor in the fields of power generation, transmission, and distribution. He is also certified as an Electrical Occupational Health and Safety Expert, a Principal Expert in Electrical Power Construction, and PLN Instructor.

Currently, Djoko Mulyadi is a Trainer and Technical Professional at SmartRisk



## Joga Prakasa Subroto

With a background in Industrial Engineering, Joga Prakasa Subroto began his career as a Valuer at PT Synergy Risk Management Consultant. He has extensive experience in valuation and risk assessment since 1997, particularly in the oil and gas sector. He served as a Senior Valuer at PT Javanex Valuindo Consultants from 2005 to 2010. In May 2010, he became Director of PT Briskindo Konsultan. Joga Prakasa Subroto is currently a consultant at SmartRisk.



## Winardi Sani

He possesses extensive knowledge and experience as an academic and industrial engineer for over 20 years. Drawing on his industrial background, he synthesizes academic programs and industry needs in the planning, delivery, assessment, and evaluation of education and training effectiveness, particularly in the downstream oil and gas sector. He is also a reviewer for international research journals in aerospace engineering and an active member in promoting green project management. Winardi Sani is currently a Technical Professional at SmartRisk.



## Adrianus Pangaribuan

As a professional Forensic Engineer, Adrianus Pangaribuan has extensive experience in Fire and Safety Engineering, with numerous certifications and professional memberships. Adrianus has conducted Fire and Explosion Risk Assessments for various industries, with a particular focus on fire and explosions (dust explosions). In 2007, he completed a Postgraduate Program in Fire and Safety Engineering from the University of Indonesia and has held a Doctorate degree since 2018. He is currently an Advisor and Technical Professional at SmartRisk.



## Sumyartono

Having extensive experience in the insurance sector before 2007, Sumyartono obtained his Certified Risk Management Professional (CRMP) certification in 2010 and specializes in risk management, particularly in technical and business development. He is currently a Technical Professional and consultant at SmartRisk.



## Tri Harso Harijadi

With a background in engineering, Tri Harso Harijadi has extensive experience in HSE for over 30 years. In 1992, he earned a Diploma in Health & Safety Management from the British Safety Council, London. Tri Harso was appointed as Pertamina's Corporate HSE Fire Protection Specialist between 2010 and 2012. He also received an award as an Agent of Transformation at Pertamina's Marketing and Trading Directorate in 2007. He is currently an HSE Instructor and Technical Advisor at SmartRisk.



# Experience Portfolio

Including the experience of PT Solusi Manajemen Risiko Terintegrasi

## Oil and Gas

2015 - 2017  
 PT Media Karya Sentosa, Gresik  
 Gas Compressor Business Unit of MKS, Jakarta  
 Training: HAZOPS of Transient Condition for Pertamina, Bandung  
 PT ARSynergy Resources, Gresik  
 CNG Gresik (PT PLN), Gresik  
 PT Megah Jaya Prima Lestari, Minahasa

## Mining

2014 - 2017  
 Kaltim Prima Coal (KPC), Sangatta  
 Tarahan Coal Terminal of PT Bukit Asam, Lampung  
 PT Arutmin, South Kalimantan  
 PT Indonesia Chemical Alumina, Sanggau

## Geothermal

2015 - 2023  
 PRA-07 Land Rig, Lampung  
 PT Chevron Geothermal Salak  
 PT Chevron Geothermal Indonesia, Darajat  
 PLTP Ulumbu (Indonesia Power), Manggarai  
 PLTP Dieng (Geo Dipa Energi), Wonosobo  
 PLTP Patuha (Geo Dipa Energi), Bandung

## Agro industry

2014 - 2016  
 PT Alam Tri Abadi, Tanjung  
 PT Wijaya Tri Utama, Banjarmasin  
 PT Basirih, Banjarmasin  
 PT Lajuperdana Indah, Ogan Komering Ulu Timur  
 PT Perkebunan Nusantara V, Riau  
 PT Bumi Sarimas Indonesia, Padang Pariaman

## Petrochemical

2014 - 2023  
 PT Pupuk Kaltim, Bontang  
 PT Pupuk Sriwidjaja Palembang (PUSRI), Palembang  
 Ammonia Project of PUSRI, Palembang  
 PT Pupuk Kaltim, Bontang (Asset Ex-KPA)  
 PT Pupuk Kujang, Cikampek  
 PT Petrokimia Gresik, Gresik  
 PT Panca Amara Utama, Luwuk

## Chemical

2015  
 PT Arjuna Utama Kimia, Surabaya

## Transportation

2019  
 PT MRT Jakarta

## Telecommunication

2016  
 PT Telkom Indonesia, Tbk  
 2021,2022,2023  
 PT PLN Icon Plus

## Marine Transportation.

2024  
 PT Pelayaran Bahtera Adhiguna

## Penilaian Third Party Liability

Gas Pipeline Construction PLTGU Tanjung Batu (PLN), Kaltimra

## Power Plant

2014 - 2022  
 BTG Unit I Semen Tonasa, Pangkep  
 PLN Batam  
 PLTU II, PT Wijaya Tri Utama, Banjarmasin  
 PLTM Cianten, Bogor  
 PLTM Karai, Simalungun  
 PLTG Eramas Persada Energy, Jambi  
 PLTM Silau 2, Simalungun  
 PLTA Poso Energy  
 PLTM Segara 2, Lombok  
 PLTA Asahan-1, Toba Samosir  
 PT Lombok Energy Dynamic (PLTU), Lombok  
 Nhon Trach 1&2 CCPP, Vietnam

Ca Mau 1&2 CCPP, Vietnam  
 Vung Ang 1 TPP, Vietnam  
 PLTU Nagan Raya (PLN), Aceh  
 PLTU Jeranjang (PLN), Lombok  
 PLTA Saguling (IP), Bandung  
 PLTA Kotopanjang, Riau  
 PLTG Maleo, Gorontalo  
 PLTA Singkarak, Padang  
 PLTU Kaltim, Balikpapan  
 Gitet Ngimbang, Lamongan  
 PLTMG Arun, Lhokseumawe

PLTU Suralaya (IP), Cilegon  
 PLTGU Priok (IP), Jakarta  
 PLTGU Tambak Lorok (IP), Semarang  
 PLTGU Grati (IP), Pasuruan  
 PLTDG Pesanggaran (IP), Bali  
 PLTGU Tanjung Uncang (PLN Batam), Batam  
 MPP Lombok (PLN Batam), Lombok  
 PLTG MPP Tarahan (PLN Batam), Lampung  
 PLTG MPP Air Anyir (PLN Batam), Bangka  
 PLTG MPP Paya Pasir (PLN Batam), Medan  
 PLTMG Panaran (PLN Batam), Batam  
 PLTU Tanjung Jati A & B

## Manufacture.

2014 - 2019  
 PT Indorama Polychem Indonesia, Purwakarta  
 PT Pelat Timah Nusantara (Latinusa) Tbk, Cilegon  
 PT Indorama Synthetics, Bandung  
 PT Namasindo Plas, Bandung-Solo-Sentul-Lampung-Medan  
 PT Jindal Stainless Indonesia, Gresik  
 PT Krakatau Steel Tbk, Cilegon  
 PT Gokak Indonesia, Bogor  
 PT Badjatex, Bandung  
 PT Embee Plumbon Tekstil, Cirebon  
 PT Namasindo Plas Abadi, Pasuruan  
 PT Cemindo Gemilang (Semen Merah Putih), Cilegon

PT Semen Padang, Padang  
 PT Faber Castell Indonesia, Bekasi  
 PT Delta Merlin Dunia Textil, Sukoharjo  
 PT Timah Tbk, Muntok & Kundur  
 PT Brite Polymer, Cikarang  
 PT San Darma Plastik, Bandung  
 PT Solo Murni, Solo  
 PT Sriboga Flour Mill, Semarang  
 PT Indonesia Chemical Alumina, Tayan  
 PT Mega Surya Utama, Mojokerto  
 PT Mitracitra Mandiri Offset, Sidoarjo  
 PT Petronika Gresik, Gresik  
 PT Integra Indocabinet, Surabaya  
 PT Zinkpower Batamindo, Batam  
 PT Zinkpower Austrindo, Banten  
 PT Antam UBPN Sultra, Pomalaa

## Building

2016  
 The Residence at Dharmawangsa II, Jakarta  
 Sudirman Residence, Jakarta  
 Senopati Suite, Jakarta  
 BCA Learning Centre, Sentul  
 Aston Sentul Lake Resort & Conference Center, Sentul

## Warehouse

2014  
 PT Hevea MK I & II, Palembang

## Port

2015 - 2016  
 PT Pelabuhan Samudera Palaran, Samarinda  
 PT Tangguh Samudera Jaya, Jakarta  
 PT Prima Nur Panurjwan, Jakarta  
 PT Terminal Teluk Lamong, Surabaya



# Partner in Managing Your Risk



Awareness and Consultation of PT PLN Group Insurance Policy



Risk Survey PT PLN Batam



# Partner in Managing Your Risk



Market Review, London Januari 2024



Market Review, Kuala Lumpur Feb 2024



Market Review, Singapore Feb 2024



Risk Survey PT Pelayaran Bahtera Adhiguna, March-April 2024

# *Partner in managing your risks*



**SmartRisk**

## **Head Office**

Gedung 1 PLN Pusat, Floor 4<sup>th</sup>  
Jl. Trunojoyo, Blok M/135, Kebayoran Baru  
Jakarta Selatan 12160

## **Work Office**

Menara Hijau Building, Floor 3<sup>th</sup>, Suite 301  
Jl. Letjen, M.T. Haryono Kav 33, Pancoran  
Jakarta Selatan 12770

+62 812-800-70-123  
admin@smartrisk-pln.com  
[www.smartrisk-pln.com](http://www.smartrisk-pln.com)