



PT MECHATECH POWER INDONESIA

BUSINESS COMPANY PROFILE

2026



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GET IN TOUCH

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A large industrial facility, likely a power plant or refinery, with prominent yellow structural beams and white cylindrical storage tanks against a blue sky.

OUR VALUE

“EMPOWERING INDUSTRIES WITH PRECISION & QUALITY SOLUTIONS”

“Empowering Industries with Precision & Quality Solutions” is a tangible reflection of our dedication to driving growth and innovation across various sectors. By combining cutting-edge technology, professional expertise, and strategies tailored to the specific needs of each business, we deliver solutions designed to enhance efficiency, productivity, and competitiveness. Our commitment is to provide results that not only meet but exceed expectations, helping industries advance with excellence and confidence in navigating global challenges.

A large industrial facility, possibly a refinery or power plant, with numerous tall, orange-colored smokestacks and a complex network of pipes and structural steel. The facility is situated in a flat, open area with some greenery in the background. The sky is filled with dramatic, dark clouds, suggesting a sunset or sunrise. The image is partially obscured by a large blue diagonal shape on the left side, which serves as a background for the text.

ABOUT COMPANY

PT. MECHATECH POWER INDONESIA

PT MECATECH POWER INDONESIA is a dynamic and innovative company specializing in general supply services, dedicated to delivering a comprehensive range of high-quality components and solutions to meet the diverse needs of various industries. With expertise spanning electrical, mechanical, and hardware products, the company ensures the availability of reliable and durable components designed to optimize performance and efficiency.

In addition to its core offerings, PT MECATECH POWER INDONESIA excels in providing cutting-edge piping solutions and advanced pneumatic and fluid control systems. These specialized products are tailored to support industries such as manufacturing, energy, construction, and beyond, ensuring seamless operations and enhanced productivity.

Guided by a commitment to precision, quality, and customer satisfaction, PT MECATECH POWER INDONESIA continues to empower industries with innovative solutions, delivering not just products but also value-added services and technical expertise to empowering Industry achieve their goals in an increasingly competitive global market.



“Empowering Industries with Precision and Quality Solutions”

MISSION

To be a leading trading company that provides high-quality products and solutions for various industrial sectors. We are committed to adding value for our customers through superior products, reliable services and mutually beneficial partnerships.



VISION

To be the preferred partner in the leading industry by:

- **Providing Innovative Solutions:** Offering a diverse range of innovative products and services that meet customer needs with efficiency and exceptional quality.
- **Building Long-Term Partnerships:** Establishing sustainable, mutually beneficial relationships with suppliers and customers based on integrity, trust and cooperation.
- **Maintaining Quality and Reliability:** Focusing on providing high-quality products and ensuring timely deliveries to maximise customer satisfaction.
- **Empowering Our People:** Creating a supportive work environment that fosters skill development and knowledge, enabling employees to confidently and successfully perform their roles.



Business Activities

PT Mechatech Power Indonesia operates across integrated industrial sectors, focusing on the supply of raw materials, goods, and specialized services to support mining, processing, and infrastructure development.



RAW MATERIAL SUPPLY AND FUEL SUPPLY

PT Mechatech Power Indonesia supplies essential raw materials and industrial fuels for manufacturing, processing, and energy-related activities. Our product portfolio includes bauxite, limestone, silica, phosphate, gypsum, Solar B0, and Solar B40. The company emphasizes consistent quality, reliable supply chains, regulatory compliance, and cost efficiency to support sustainable industrial operations and meet diverse customer requirements.

SERVICE SOLUTIONS

The company delivers comprehensive industrial services, including:

- **Land Mapping and Geospatial** – Advanced surveying and geospatial mapping services utilizing modern technologies to support exploration, land planning, and project development with high accuracy and data reliability.
- **Land Reclamation** – Restoration and restructuring of post-mining land through land contouring, soil treatment, revegetation, and environmental rehabilitation to ensure sustainable and productive reuse in accordance with regulatory standards.
- **Refinery Development** – Comprehensive services covering feasibility studies, engineering design, procurement, construction, and commissioning of mineral and resource processing facilities to increase value-added processing and industrial capacity.
- **Industrial Maintenance** – Preventive and corrective maintenance services for industrial facilities, including inspection, repair, system optimization, and performance monitoring to ensure operational reliability, safety, and efficiency.

GOODS SUPPLY

The company provides a wide range of industrial goods and equipment, ensuring reliability, quality, and timely delivery to support operational and project needs.

Raw Material and Fuel Supply

PT Mechatech Power Indonesia supplies a range of strategic raw materials and industrial fuels essential for manufacturing, processing, mining, and energy-related activities. Each product plays a critical role in supporting various downstream industries and ensuring operational efficiency:



1. Bauxite

Bauxite is the primary raw material used in the production of alumina and aluminum. It is widely utilized in the metallurgical industry, as well as in refractory materials and cement production. The company ensures consistent supply with controlled quality specifications, particularly in terms of alumina content and moisture levels, to meet industrial processing requirements.

2. Limestone

Limestone is a key material used in cement production, steel manufacturing, and environmental applications such as water treatment. **PT Mechatech Power Indonesia** supplies high-grade limestone with stable chemical composition, ensuring suitability for both industrial processing and construction-related application.

3. Silica

Silica is an essential material in glass manufacturing, foundry casting, and construction industries. It is also used in chemical and electronics applications. The company provides silica with controlled purity levels and particle size distribution to ensure optimal performance in various industrial processes.

4. Phosphate

Phosphate is primarily used in the production of fertilizers and agricultural inputs, as well as in certain chemical industries. **PT Mechatech Power Indonesia** supplies phosphate materials that meet required nutrient and composition standards, supporting agricultural productivity and industrial applications.



5. Gypsum

Gypsum is widely used in construction materials such as cement and plaster, as well as in agricultural soil conditioning. The company ensures a stable supply of gypsum with consistent quality, supporting both industrial manufacturing and land improvement applications.

6. Solar B0

Premium-grade industrial diesel fuel with 0% biodiesel content, designed to deliver optimal engine performance, high energy efficiency, and reliable operation under demanding conditions. Suitable for mining operations, marine vessels, power generation units, manufacturing facilities, construction projects, and heavy equipment fleets. Solar B0 offers excellent fuel stability, efficient combustion characteristics, and compatibility with a wide range of industrial engines, helping businesses maximize productivity while minimizing operational downtime.

7. Solar B40

Advanced biodiesel blend fuel consisting of 60% petroleum diesel and 40% renewable biodiesel (FAME), developed in accordance with Indonesia's national energy transition program. Solar B40 provides reliable engine performance while contributing to the reduction of greenhouse gas emissions and dependence on fossil fuels. Suitable for transportation, logistics, industrial operations, agricultural machinery, construction equipment, mining activities, and commercial fleets, Solar B40 supports sustainability objectives without compromising operational efficiency, fuel economy, or engine reliability when used in compliant equipment and vehicles.

Raw materials technical specification

Material	Parameter	ASTM/ International Reference	SNI/Local Reference	Typical Specification	Buyer-Specific Range
Bauxite	Al ₂ O ₃ (%)	ASTM E1915	-	45 – 60%	48 – 58%
	SiO ₃ (%)	ASTM D859	-	2 – 10%	≤ 8%
	Fe ₂ O ₃ (%)	ASTM E247	-	10 – 25%	12 – 20%
	TiO ₂ (%)	ASTM E1621	-	1 – 5%	2 – 4%
	Moisture (%)	ASTM D2216	-	≤ 20%	≤ 15%
	A/S ratio	Industry Practice	-	≥ 6	≥ 7
Limestone	CaCO ₃ (%)	ASTM C25	SNI 7574:2010	≥ 48 – 55%	≥ 50%
	CaO (%)	ASTM C114	SNI 2049:2015	≥ 50%	≥ 52%
	MgO (%)	ASTM C25	SNI 7574:2010	≤ 5%	≤ 3%
	SiO ₂ (%)	ASTM C114	SNI 2049:2015	≤ 5%	≤ 3%
	Fe ₂ O ₃ (%)	ASTM C114	SNI 2049:2015	≤ 3%	≤ 2%
	Moisture (%)	ASTM D2216	-	≤ 5%	≤ 3%
Silica	SiO ₂ (%)	ASTM C146	SNI 15-0302- 2004	≥ 95 – 99.5%	≥ 98%
	Fe ₂ O ₃ (%)	ASTM C146	-	≤ 0.5%	≤ 0.2%
	Al ₂ O ₃ (%)	ASTM C146	-	≤ 2%	≤ 1%
	Moisture (%)	ASTM D2216	-	≤ 5%	≤ 3%
	Grain size	ASTM C136	-	Customized	Customized
Phosphate	P ₂ O ₅ (%)	ASTM C471	-	25 – 35%	28 – 32%
	CaO (%)	ASTM C114	-	40 – 55%	45 – 52%
	SiO ₂ (%)	ASTM C114	-	≤ 10%	≤ 6%
	Moisture (%)	ASTM D2216	-	≤ 10%	≤ 8%
	Impurities	ASTM C114	-	Controlled	Customized
Gypsum	CaSO ₄ ·2H ₂ O (%)	ASTM C471	SNI 03-6387- 2000	≥ 85 – 95%	≥ 90%
	CaO (%)	ASTM C114	-	30 – 40%	32 – 38%
	SO ₃ (%)	ASTM C471	SNI 2049:2015	35 – 45%	38 – 42%
	Moisture (%)	ASTM D2216	-	≤ 10%	≤ 5%
	Size	ASTM C136	-	Powder/Lump	Customized



Fuel supply specification

Parameter	Solar B0	Solar B40
Product Type	Industrial Diesel Fuel	Biodiesel Blend Fuel
Biodiesel Content (FAME)	0%	40%
Petroleum Diesel Content	100%	60%
Application	Mining, marine, power plants, manufacturing, construction, heavy equipment	Transportation, logistics, mining, agriculture, construction, industrial operations
Engine Compatibility	Diesel engines requiring conventional diesel fuel	Diesel engines approved for B40 biodiesel blends
Energy Performance	High calorific value and stable performance	Good performance with renewable fuel contribution
Environmental Impact	Standard diesel emissions	Reduced greenhouse gas emissions compared to conventional diesel
Fuel Stability	Excellent storage stability	Requires proper storage and handling in accordance with biodiesel standards
Operational Benefits	Reliable power output, efficient combustion, reduced downtime	Supports sustainability goals while maintaining operational efficiency
Regulatory Compliance	Complies with applicable industrial diesel specifications	Complies with Indonesian B40 biodiesel blending regulations
Typical Industries Served	Mining, Marine, Manufacturing, Power Generation, Construction	Transportation, Logistics, Agriculture, Mining, Manufacturing, Construction
Supply Availability	Bulk delivery and industrial fuel supply contracts	Bulk delivery and industrial fuel supply contracts

Products overview

Product	Description
Solar B0	Premium industrial diesel fuel containing 100% petroleum diesel and 0% biodiesel content, providing maximum engine performance, fuel stability, and reliability for heavy-duty industrial applications.
Solar B40	Renewable fuel blend consisting of 40% biodiesel (FAME) and 60% petroleum diesel, supporting Indonesia's energy transition while maintaining dependable performance for commercial and industrial operations.



Service Solutions Framework

PT Mechatech Power Indonesia delivers integrated industrial services designed to support the full lifecycle of mining, processing, and infrastructure projects. The company adopts an end-to-end service model covering planning, execution, optimization, and sustainability, ensuring operational excellence and long-term value creation.

Core Value Proposition

- Integrated services (one-stop solution)
- Technical precision and engineering-based execution
- Compliance with regulatory and environmental standards
- Efficiency, cost optimization, and risk mitigation
- Sustainability and long-term asset value enhancement

LAND RECLAMATION (Post-Mining Rehabilitation) OBJECTIVE

To restore post-mining land into **safe, stable, environmentally compliant, and economically productive areas**.

SCOPE OF SERVICES

1. Site Assessment & Planning

- Topographic survey and soil analysis
- Environmental impact baseline study
- Reclamation master plan (short-long term)

2. Land Restructuring

- Land contouring and reshaping
- Slope stabilization and erosion control
- Drainage system design and implementation

3. Soil Improvement

- Soil conditioning (pH balancing, nutrient enrichment)
- Application of organic and inorganic soil amendments

4. Revegetation & Ecosystem Recovery

- Selection of suitable vegetation species
- Hydroseeding/planting program
- Biodiversity restoration approach

5. Environmental Rehabilitation

- Water management and sediment control
- Waste and tailing area stabilization
- Compliance with AMDAL and environmental regulations

OUTPUT & IMPACT

- Land ready for agriculture, forestry, or industrial reuse
- Compliance with regulatory closure requirements
- Improved environmental sustainability index



REFINERY DEVELOPMENT (Processing Plant)

OBJECTIVE

To develop **efficient, scalable, and value-added processing facilities** that increase downstream industrial capacity.

SCOPE OF SERVICES

1. Feasibility Study

- Technical feasibility (ore characteristics, processing method)
- Financial modeling (CAPEX, OPEX, IRR, ROI)
- Market analysis and demand projection

2. Engineering Design

- Basic Engineering Design (BED)
- Detailed Engineering Design (DED)
- Process flow diagram (PFD) & plant layout

3. Procurement

- Equipment sourcing and vendor selection
- Contract negotiation and supply chain management

4. Construction & Installation

- Civil, mechanical, and electrical works
- Equipment installation and integration

5. Commissioning & Optimization

- System testing and calibration
- Performance optimization and efficiency tuning
- Operator training and SOP development

OUTPUT & IMPACT

- Increased value-added processing (hilirisasi)
- Higher production efficiency and yield
- Reduced dependency on raw material export

INDUSTRIAL MAINTENANCE

OBJECTIVE

To ensure **reliability, safety, and optimal performance** of industrial assets through structured maintenance systems.

SCOPE OF SERVICES

1. Preventive Maintenance

- Scheduled inspection and servicing
- Lubrication, calibration, and system checks

2. Corrective Maintenance

- Breakdown response and repair
- Root cause analysis (RCA)

3. Predictive Maintenance (Advanced)

- Condition monitoring (vibration, thermal, oil analysis)
- Data-driven maintenance planning

4. System Optimization

- Performance evaluation and efficiency improvement
- Energy optimization and cost reduction

5. Performance Monitoring

- KPI tracking (uptime, downtime, MTBF, MTTR)
- Digital reporting and maintenance dashboard



OUTPUT & IMPACT

- Reduced downtime and operational risk
- Extended asset lifecycle
- Improved safety and compliance

LAND MAPPING & GEOSPATIAL SERVICES

OBJECTIVE

To provide **accurate, data-driven spatial information** for exploration, planning, and project development.

SCOPE OF SERVICES

1. Surveying & Data Collection

- Topographic survey
- Drone/UAV mapping
- GPS and geodetic measurement

2. Geospatial Analysis

- GIS-based data processing
- Land use and zoning analysis
- Resource mapping

3. Mapping & Visualization

- Digital terrain modeling (DTM)
- 2D/3D mapping outputs
- Satellite imagery interpretation

4. Project Support

- Feasibility and planning support
- Boundary and legal mapping
- Infrastructure layout planning



OUTPUT & IMPACT

- High-accuracy spatial data
- Improved decision-making and planning
- Reduced project risk and uncertainty



Integration Model (End-to-End Services)

PT Mechatech Power Indonesia integrates all service lines into a unified workflow:

Land Mapping → Feasibility Study → Refinery Development → Industrial Maintenance → Land Reclamation

This creates **a closed-loop industrial ecosystem**, ensuring:

- Efficiency across project lifecycle
- Sustainability from start to closure
- Maximum economic and environmental value

COMPETITIVE ADVANTAGE

- Integrated mining-to-processing-to-rehabilitation services
- Strong technical and engineering capabilities
- Flexible and customizable solutions (client-oriented)
- Compliance-driven (environmental & regulatory)
- Focus on hilirisasi and sustainability

Goods Supply



MECANICAL

- Control Valve
- Safety Valve
- Butterfly Valve
- Check Valve
- Gate Valve
- Globe Valve
- Solenoid Valve
- Flow Meter
- Filter/Regulator
- Pressure Regulator
- Pressure Switch
- Lubricator
- Actuator
- Transmitter
- NDT Product
- Calibration Pressure System
- Motor Condenser
- Nozzle
- Sprinkler
- Transducer Pump
- Guided Wave Radar
- Plug & Steam

ELECTRICAL

- Modul
- Panel LED
- Transformer
- Single Station Micro Controller
- Transducer Passive Speed Sensor
- PROXIMITOR
- Tesys - T
- Temperatur Controller
- Plug Receptacle
- Analyzer
- Flame & Gas Detection
- Smoke Detector
- Signal Converter
- Circuit Breakers and Switches
- Contactors and Protection Relays
- Power Monitoring and Control

PIPEING

- EXPANTION BELLOW
- RUBBER HOSE
- FLEXIBLE PIPE
- TUBING
- POLYURETHANE
- HDPE
- FITTING
- FLANGE
- PVC
- COUPLING

Hardware & Software Component

- MODUL
- WIRELESS SYSTEM
- HARDWARE COMPUTER

Support Equipment

- LABORATORY EQUIPMENT
- APAR/APAB
- CARBON FIBER
- ATK



**RA
Series**



**PRA
Series**



Roundline



**Cylinder
Compact**

Actuators

Valves



82400 Series



Safety Valve



VCB22 Series

FRL (Filter Regulator Lubricator)



FRL



Filter/Regulator



Filter



Lubricator

Fittings & Tubing



Pneufit C



PU Tubings



Pneufit 10



Solenoid Valve



Nufors-CR



**PE Tube/
Nylon Tube**



**Standart Cylinder
BSC Tie-Rod Series**



**Standart
International
Cylinder
BSI Profile Series**

Sensor

Sensor adalah komponen yang sering digunakan pada otomasi untuk mendeteksi perubahan lingkungan dan mentransmisi informasi secara elektronik



Safety

Produk safety dipasang di area yang berpotensi berbahaya untuk melindungi personel dari cedera dan melindungi peralatan dari kerusakan



Controller

Controller banyak digunakan dalam sistem kontrol industri untuk menyesuaikan atau mempertahankan output yang diinginkan dari proses Tertentu dalam kisaran yang diinginkan



Motion Device

Motion device digunakan untuk mengubah energi listrik menjadi energi mekanik yang bertindak sebagai aktuator dalam proses otomasi





2021-2025
SCHNEIDER
SUSTAINABILITY
IMPACT



OUR PRODUCT

Life Is On

Schneider
Electric



HIKROBOT

Hard- ware Product

CMR

Conveyor/Heavy-duty
Mobile Robot



LMR

Latent Mobile Robot

CTU

Carton Transfer Unit



FMR

Forklift Mobile Robot



Accessory



Heaton Valves

SINCE 1943





EMPOWERED PERFORMANCE

OUR PRODUCT





LAPP

Cables

LAPP KABEL STUTTGART ÖLFLEX® SOLAR XLR-E 1C
ÖLFLEX® SOLAR XLR-E

LAPP KABEL STUTTGART ÖLFLEX® SOLAR XLR-E T-BAYNE 1C
ÖLFLEX® SOLAR XLR-ET

ÖLFLEX® SOLAR XLS-R WHITE 1C
ÖLFLEX® SOLAR XLS-R

H1ZZZ2-K 1C
H1ZZZ2-K

ÖLFLEX® SOLAR XLWP 1C
ÖLFLEX® SOLAR XLWP

ÖLFLEX® SOLAR V4A

LAPP KABEL STUTTGART ÖLFLEX® SOLAR AL FLEX WP 1C
ÖLFLEX® SOLAR AL FLEX

LAPP KABEL STUTTGART ÖLFLEX® SOLAR AL FLEX WP 1C
SOLAR AL FLEX WP

NY-Y-O
NY-Y-J, NY-Y-O

NAY-Y-J
NAY-Y-J, NAY-Y-O

NYCWY

NYCWY

UNITRONIC® Li2YCYv (TP)
UNITRONIC Li2YCYv (TP)

UNITRONIC ST
UNITRONIC ST

ÖLFLEX® TRAFOL XLv 1,8/3 kV

N2XSy
N2XSy

N2XS2Y
N2XS2Y

N2XS(F)2Y
N2XS(F)2Y

N2XS(FL)2Y
N2XS(FL)2Y

Connectors



Solar connectors 1.5kV R-type



Solar connectors 1.5kV F-type



Solar connector splitters

Cable glands



SKINTOP® ST-M/SKINTOPSTR-M



SKINTOP® GMP-GL-M



SKINTOP® ST-M/SKINTOPSTR-M



SKINTOP® GMP-GL-M

Protective cable conduit and cable carrier systems



SILVYN® SPLIT



SILVYN® SPLIT COV-M/
SILVYN® SPLIT GMP-M/SILVYN® SPLIT COS



SILVYN® RILL PA 6

Marking Systems



FLEXIMARK®
Stainless steel FCC



FLEXIMARK®
Cablelabel PUR

Tools



Ty-RapUV-stabilised
cable ties with steel nose



Crimp tool for
solar connectors 1.5kV



Torque wrench for
solar connectors 1.5kV



 **EXTRANA[®]**
CABLE

Quality Cables, Quality Living

OUR PRODUCT





SUPREME CABLE



OUR PRODUCT



Accessories

Panel Box

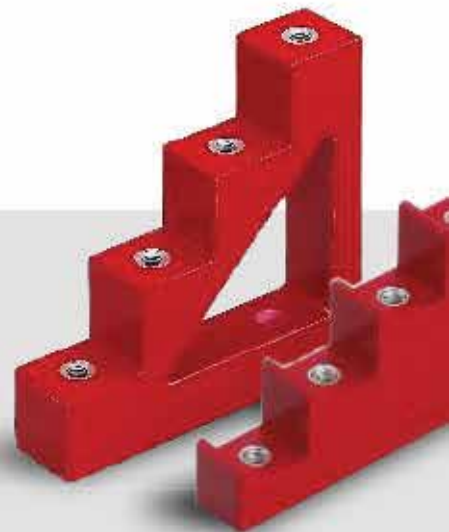
IP protection : IP67 |
Material PC (Polycarbonate)



CT Protection



Medium
Voltage
Insulator



Busbar Support

Power
Meter



Change
Over
Switch &
Transducer



Insulation
Connector



Connector
Cable



OUR BRAND PRODUCT



WE ARE EPIC

EXCELLENT, PROFESSIONAL, INTEGRITY, COLLABORATE

SECTOR WE SERVE

SECTORS WE SERVE Together with our partners that are well known for its range of high quality products, we commit to achieve fulfillment of customer requirements within the constraints of time, cost and quality. Our customers include corporations in the following sector.



Oil & Gas Industry



Power Plant



Mining



Industrial Automation



Food & Beverage



Packaging



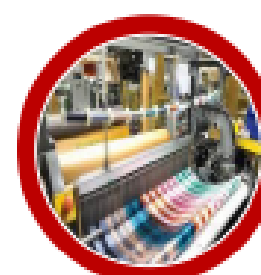
Cement



Pulp & Paper



Fertilizer



Textile



Life Science



Automotive

Our Business Partners







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