



AIOTKU

2024

**GLOBAL
THINKING
LOCAL SPIRIT**

<https://aiotku.id>

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ABOUT US

AIOTKU is a dynamic trademark by PT. Sarana Energi Investama, representing a commitment to innovative solutions and digital transformation. Our journey is guided by the vision to lead the way in the digital landscape, revolutionizing businesses and enabling them to thrive in the digital age.

Who We Are:

AIOTKU, subsidiary of PT. Sarana Energi Investama, stands as a leading digital transformation provider. We specialize in developing cutting-edge solutions and providing expert consultancy services, all designed to empower businesses for success in the digital era.

Our Vision:

Our vision is to be at the forefront of digital transformation, pioneering revolutionary solutions that redefine how businesses operate and compete in the digital age. We aspire to set new standards in the industry by harnessing technology's power to unlock unprecedented opportunities for our clients.

Our Mission:

At AIOTKU, our mission is clear - to be the trusted partner in digital transformation. We leverage our deep expertise to craft innovative solutions and deliver expert consultancy services. Through this, we enable businesses to adapt seamlessly to the digital landscape and thrive, ensuring they maximize technology's potential for a prosperous future.

Our Commitment:

We are committed to excellence, ethics, and continuous improvement. Our ethos revolves around the relentless pursuit of betterment and the unwavering commitment to ethical conduct. We prioritize our clients' success and aim to be more than just a service provider - we strive to be a strategic partner on their digital transformation journeys.

Our Approach:

Our approach is rooted in innovation, knowledge sharing, and collaboration. We believe that success is not achieved in isolation but through collective efforts. We foster a culture of learning, growth, and mutual support, both within our organization and with our valued clients.

Global Impact:

AIOTKU's reach extends beyond borders. We envision a global presence where our digital transformation solutions and ethical standards serve as beacons for businesses worldwide. We aim to be a catalyst for the greater good, leaving a lasting legacy in the digital landscape for generations to come.

AIOTKU, represented by the trademark of PT. Sarana Energi Investama, is not just an innovative platform; it's a commitment to the digital transformation journey. We stand ready to lead the way, utilizing cutting-edge solutions and expert consultancy services to empower businesses and help them thrive in the digital age. Our dedication to excellence and ethical leadership sets us apart, making us the partner of choice for organizations looking to harness the full potential of technology for a prosperous future.





AIOTKU Energy - Automated Remote Meter Reading for Water, Air, Gas, Electricity and Steam". It describes a technology that enables remote meter reading of various utilities such as water, air, gas, electricity, and steam

Automation & Control Solutions for all Industries". It describes a company that provides independent supplier of PLC and automation solutions for various industries. We have the ability to select the best product to integrate into your application, no matter how big or small your automation project is



Embark on an enlightening journey through the realm of AIOTKU Business Process Management software, where we unravel the intricate 'how' and 'why' of this transformative technology. This guide demystifies the world of BPM software, shedding light on both its remarkable advantages and intriguing challenges. With AIOTKU BPM at your side, prepare to unlock invaluable insights and unleash unparalleled value for your business, all at the touch of a button.



Smart agriculture is already making a big difference in the sector with its ability to optimize resources, reduce wastage, and increase farm productivity.

We make mutual collaborating with Telkom Agree



PLUG & PLAY ENERGY MONITORING SOLUTION FOR WAGES (WATER, AIR, GAS, ELECTRICITY, STEAM)

- REAL-TIME ENERGY MONITORING. (BATTERY OR POWER OPERATED WITH WIRELESS CONNECTIVITY)
- ANALYTICS & MACHINE LEARNING INCLUDED.
- ADVANCE ALERTS WITH REMOTE MONITORING – WITH AIOTKU SEMUT PLATFORM
- COMPATIBLE WITH MOST DEVICES (NO NEED TO CHANGE YOUR EXISTING INSTALLATION)
- MOBILE APP & WEB PLATFORM FOR THE SAME SOLUTION.
- UNLIMITED CUSTOMIZATION CAPABILITY & CONFIGURABLE TO EXISTING SOLUTION.



One Stop Solution

Get the hardware as well as the software bundled with the solution.



Equipment Efficiency Analysis

Know real-time equipment efficiency and its current status.



Consumption Patterns and Control Visualization

With Advanced Data Analytics, analyze the consumption patterns of your machines.



Personalized Reporting

We will configure the report for your organizational experience.

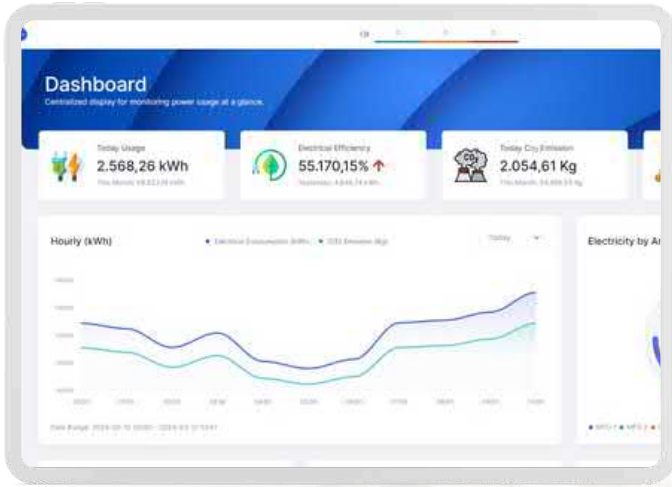
Benefits Of Energy Monitoring Solutions



- REDUCE ENERGY CONSUMPTION
- DETECT ABNORMALITY IN CONSUMPTION
- OPTIMIZE COST
- GET REAL-TIME ENERGY INSIGHTS
- REDUCE OPERATIONAL COSTS
- BOOST FACILITY PERFORMANCE
- INCREASE ROI
- PREDICT FUTURE ENERGY NEEDS
- REDUCE ELECTRICITY DEMAND CHARGE
- TRACE ENERGY CAPABILITIES
- IDENTIFY UNNECESSARY EQUIPMENT OPERATIONS



Applications of Energy monitoring



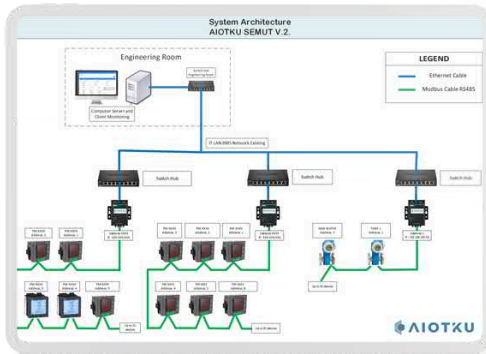
Energy Consumption Monitoring

Energy consumed by machines can be monitored and managed regularly by our smart energy monitoring solutions. Embedded sensors, meters, and other IoT devices can monitor the energy utilized by each equipment. The energy utilization parameters can also be collected for a chain of assets to determine the overall consumption of an entire facility. Hence, strategic actions and decisions can be taken to subdue the consumption of electricity and boost up the overall efficiency.



Facilities' Efficiency Improvement

AIOTKU SEMUT provides an easy way to automatically retrieve and analyze power quality events. Unlike traditional energy management systems, Intellia IoT system extracts the real-time energy consumption insights from your plant and provides you with useful data points on your mobile/PC. The system covers information regarding power generation and its utilization which makes it a one-stop solution.



Equipment Availability Monitoring

Know when and why your machines were not running. With our Energy Monitoring System, you will get real-time insights into your machine's availability and performance. The information related to your machines' availability is showcased on a dashboard that can be customized. The solution monitors equipment downtimes which empowers you to reduce unwanted and unexpected equipment breakdowns and schedule maintenance



Digital Twinning of Equipment

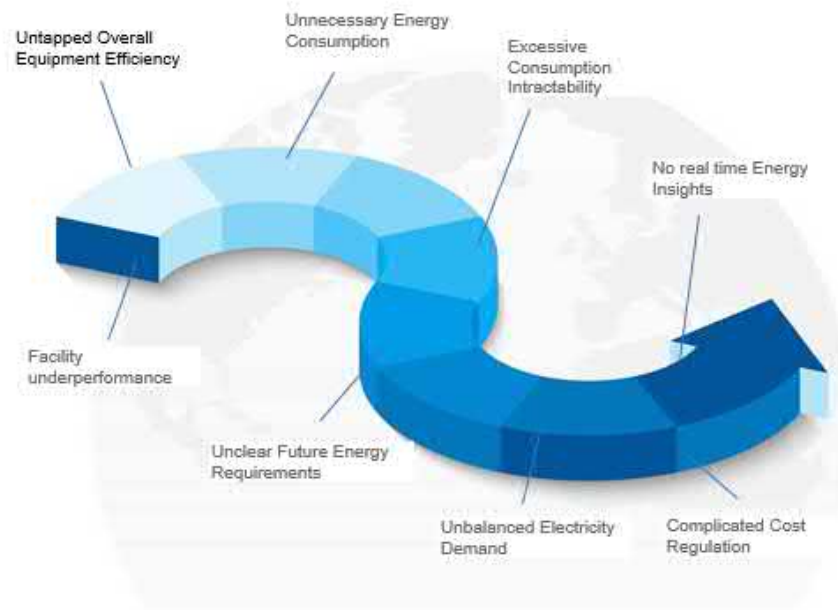
Our energy monitoring solution collects energy consumption parameters such as voltage and amperes for particular equipment or machine and used for its digital twinning. You can use this virtual mapping of your assets' performance to analyze its efficiency, condition, and the real-time status. Moreover, the high tide of the digital revolution requires the industry to incorporate these disruptive technologies and systems to attain the benchmark of Industry 4.0.



Microgrid for Optimum Power Consumption

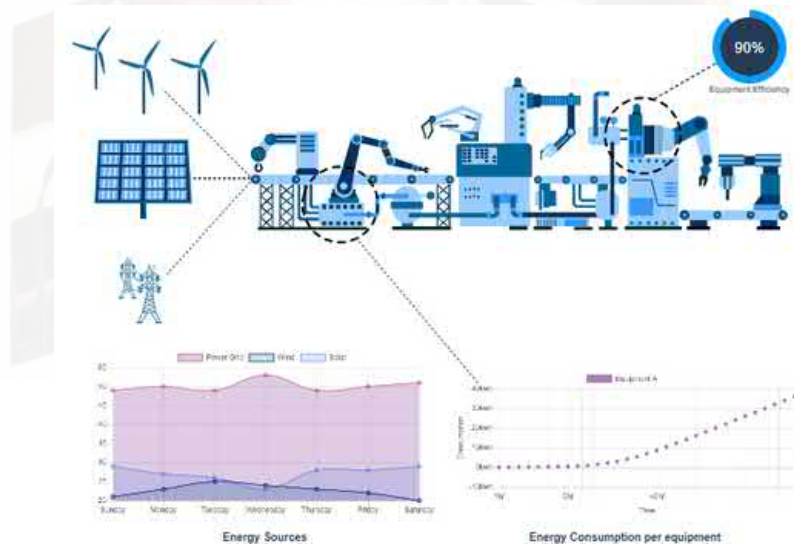
AIOTKU SEMUT's energy monitoring system enables the creation of microgrids that supply locally produced electricity to a facility. Instead of entirely depending on the main electricity grid, you can create microgrids to suffice your energy needs. Through our energy monitoring solutions, you also gain the ability to switch between main grids and microgrids based on local power load conditions and the availability of energy sources to fulfill your power requirements.

What Challenges do Manufacturers Face?



Real-time Energy Generation and Consumption Monitoring

“AIOTKU Energy solution for energy measurement offers complete visibility of energy consumption/generation into your building or manufacturing plant. It will help you get detailed insights into your energy consumption not only at the manufacturing unit or building level but also at the level of room, line, machine and even individual product.”



AIOTKU SEMUT for Energy Monitoring - Features

AIOTKU Semut Dashboard offer a quick overview of your energy monitoring system, including today's usage, monthly usage, last month's usage, and active alarms. You can create custom dashboards to display relevant information automatically. By clicking on a panel, you can expand it to access detailed summaries of energy usage, power quality, parameters, recent alarms, and gauge readings. These customizable Dashboards provide a front-page summary for efficient energy management and monitoring.



AIOTKU Semut Overview provides detailed information about your energy monitoring panel, including energy usage, power quality, parameters, recent alarms, and gauge readings. It presents daily, monthly, and cost data for energy usage, along with insights into power quality and energy parameters. The overview also displays gauge readings for voltage, current, and active-reactive power, and highlights recent alarm notifications that surpass set standards. Proper settings for power quality, parameters, and gauges activate the alarms.



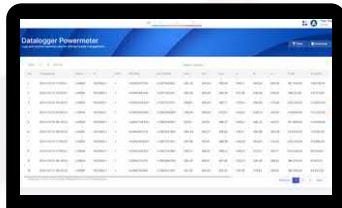
AIOTKU Semut Trend Data allows users to access sensor information presented in a trend format. Users can select the desired data range and panel to view trends, and each trend comes with upper and lower limits for parameters such as voltage, current, active-reactive power, total power, power factor, and Total Harmonic Distortion (THD). Additionally, users can export each trend in various formats like JPEG, PNG, and more, providing flexibility in data analysis and sharing.



AIOTKU Semut Record provides valuable insights into electrical consumption and performance on a daily, monthly, and yearly basis. Users can select the desired data range and panel for access. The electrical consumption section offers data on total active energy, reactive energy, and cost, aiding in efficient energy monitoring. The electrical performance section provides information on various parameters and supports data export in multiple formats for easy analysis and sharing.



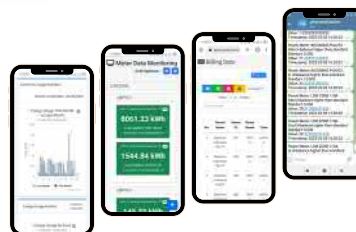
AIOTKU Semut Data Logger provides a comprehensive summary of incoming data from your panel, presenting timestamp, panel name, IP address, and rate values for metering parameters, including voltage, current, energy usage, power factor, frequency, and Total Harmonic Distortion (THD). The menu offers filtering options to select specific panels and input desired dates for data retrieval. Users can also export the data in various formats such as Excel and PDF, enhancing data accessibility and analysis capabilities.



AIOTKU Semut Alarm Table offers a concise overview of alarm occurrences with essential details. Users can filter and export data in various formats. Real-time alarm notifications can be sent through Telegram for prompt actions.



AIOTKU Semut is accessible from mobile devices, allowing users to monitor and manage operations on-the-go. With real-time data access and control, users can stay connected and make informed decisions anytime, anywhere, enhancing operational efficiency and responsiveness.



An End-To-End Solution Automation Engineering Services for your need

We can deliver the control you strive for thanks to our teams of systems integration engineers with vendor-independent experience across diverse industries, processes, and platforms.

System Integrator & Engineering

We are system integrators with yearly of experience in industrial automation. Our expertise ranges from standalone applications for PLC, HMI and SCADA systems to networked devices with a distributed SCADA system

We can deliver the best technical solution for your needs plus customer service throughout your system's entire lifecycle. Our services span design, installation, commissioning, maintenance and end-to-end digitalisation, delivering a total solution from our five UK locations.

We can help you to excel in process efficiency, thanks to our expertise in optimising your historical data recording, data analysis and reporting capabilities. From integrating manufacturing execution systems (MES) for optimising resource and material planning to remote monitoring with telemetry, we can deliver the systems integration you need to the very highest standards

So whether you need a system retrofit, an upgrade or a new build, we have the skills, experience and technology to deliver your electrical and automation control solutions

We offer

- PLC , HMI , SCADA Programming
- Building Automation System
- Control Panel Automation System
- Robotic Process Automation
- Manufacturing Execution Systems
- Pump system optimisation
- Consultancy & initial design

Our End-To-End Solution

We have a clear focus on guiding our customers through the process of digital transformation. By deeply understanding their unique needs, challenges, and aspirations, we provide tangible solutions to address each client's specific issues.



Service and support

We offer a range of service contracts to support your fixed and remote condition and performance monitoring assets and instrumentation – including flow meters, power monitors and most other instrumentation. So whether you need scheduled preventative maintenance, predictive asset monitoring, or 24/7 emergency cover, we can provide a package tailored to your needs.



Real-time solutions can be applied to multiple industries



Energy Generation and Distribution

Validate power stations and smart distribution grids, test transmission network failures, design and connect wind and solar power generators.



Manufacturing Automation

Implement and validate smart automated production lines with high-precision robotics components and motion and vision sensors.



Heavy Machinery

Develop efficient mining, earthmoving, and heavy lifting construction equipment and integrate high-precision inclination and motion sensors, autonomous technology, and electrification.



Building Automation

Automate virtual commissioning of centralized building management systems—including control of heating ventilation and air conditioning (HVAC), lighting, and other devices that increase energy efficiency and support modern lifestyles.



Process Technology

Guarantee quality and safety in the automated mechanical, chemical, and thermal processing of material such as solids, fluids, and gasses.

Vendor-independent systems integration

Our long and established partnerships with leading vendors ensure that we're always up to date. Regardless of hardware, we can provide you with the highest quality, most cost-effective process control solutions.



Diverse industrial automation skills

With experience across many sectors, we bring a wealth of industry knowledge to every project. Our skilled project management teams can safely deliver your project and keep you running with minimal disruption.

Our rigorous quality system ensures well-documented applications from specification through to installation, giving you confidence in your control systems for today and into the future

Let us help you to find the right solution for your project



Request a Configuration Proposal

Get a proposal for a real-time target projects configured to your needs.



Request a Free Workflow Demo

Curious how to accelerate control design innovation with a modular controller hardware setup?



Have Questions?

Talk to our experts about your project and application requirements.



Revolving Around Your People, First

AIOTKU BPM is business management software built for entrepreneurs and business owners, HR managers, consultants and executives. Providing business management solutions that maximize productivity and improve workflow, this cloud-based system is designed to help you to scale your business.

Accountability For Success

Ever struggled with processes your team forgets about or delays indefinitely? Looking for the best software for your business management solution needs? SaaS BPM is the best small business management software designed for executives, busy entrepreneurs, HR managers, and business consultants.

Best of all: your team will have full visibility around your processes in real time.

“Business Process Management software (BPM software) aligns the delivery of business objectives in terms of organizational goals, services, or products that customers or clients need, through the management and improvement of processes and several sets of activities.”

“MAP - ANALYZE - IMPROVE-AUTOMATE” METHOD

Easily and accurately Map, Analyse, Improve and Automate your business processes with AIOTKU BPM, a powerful cloud-based BPM . Whether you are a business user or business process expert, AIOTKU BPM with the best-of-breed inbuilt methodology and user-friendly interface is designed to meet the unique requirements of both the user groups. Based on powerful methodologies, such as BPM, Lean, Six Sigma, Value Stream Mapping and more, AIOTKU BPM has helped organisations achieve their business objectives.

We offer

- Digital Workplace
- CRM Management
- People Management
- Process Management
- Project Management
- Business Process Engine
- Intelligent Process Automation

Service and support

We offer a range of service contracts to support your fixed and remote condition and performance monitoring assets and instrumentation – including flow meters, power monitors and most other instrumentation. So whether you need scheduled preventative maintenance, predictive asset monitoring, or 24/7 emergency cover, we can provide a package tailored to your needs.



Business Issues

CHALLENGES WE ADDRESS

Whatever be your business challenge, easily address them with AIOTKU BPM and maximise your organisational efficiency.

- Change Management
- Operational Efficiency
- Business Continuity
- Compliance Management
- Improve Customer Service
- Organisational Restructuring



Business Optimisation

SOLUTIONS WE DELIVER

With AIOTKU BPM's powerful functionalities and our wide ranging experience, we have solutions for your every business requirement.

- Process Mapping
- Process Excellence
- Process Transparency
- Process Performance Monitoring
- Compliance Management
- Improve Customer Service
- Process Analysis and Improvement
- Process Standardization
- End to End Process
- System Implementation
- Collaboration and Continuous Improvement
- Knowledge Management



Digitalisasi Agrikultur

Kami bersama Telkom Agree Hadir Menjadi Solusi
Kami hadir untuk menghubungkan para pelaku budi daya untuk saling memberi manfaat dan berkontribusi melalui sebuah platform.

 agree

<https://agreeculture.id/>



Sekilas Tentang Agree Telkom

Agree merupakan bagian dari Telkom Indonesia yang bergerak dan berkontribusi terhadap digitalisasi pertanian Indonesia sejak 2019. Kami telah bekerjasama dengan petani, perusahaan agribisnis, pemodal, lembaga pendidikan, hingga instansi pemerintah untuk membangun ekosistem digital dunia agrikultur. Kami hadir sebagai solusi yang mempertemukan para pelaku agrikultur dengan membawa misi untuk mengembangkan sektor agrikultur dan membawa nilai ekonomi tinggi.



OUR PROJECTS REFERENCE



CASE STUDY

PT. Kewpie Indonesia with AIOTKU Energy Monitoring System



AT A GLANCE

Challenges

- Integration and Transition
- Training and Data Interpretation
- Technical Issues
- Operational Adjustments

OBJECTIVES

The main goal is to deal with increasing electricity bills and optimize energy consumption. Real-time monitoring provides in-depth insight into energy usage patterns, enabling us to identify waste and implement energy-efficient measures. In addition, accurate system data helps in negotiations with electricity providers, resulting in resolution of bill differences and cost savings.

SOLUTIONS

The AIOTKU Energy Monitoring System by PT Sarana Energi Investama provided an effective solution to our energy management challenges. With real-time visibility into electricity consumption, we identified inefficiencies, implemented energy-saving measures, and achieved significant cost savings. The system streamlined our energy management and improved our sustainability practices.

BENEFITS

First Benefits

Real-time monitoring: Enabled us to track electricity consumption closely, identifying inefficiencies and wastage. This allowed us to implement targeted energy-saving measures.

Second Benefits

Cost savings: By optimizing energy usage, we achieved significant cost savings on our electricity bills, positively impacting our operational budget and overall profitability.

Third Benefits

Billing accuracy: Accurate data improved billing accuracy, resolving discrepancies with the electricity provider (PLN) and ensuring fair billing practices.

Fourth Benefits

User-friendly and efficient: User-friendly interface and prompt customer support streamlined energy management, enhancing sustainability efforts.



The AIOTKU Energy Monitoring System by PT. Sarana Energi Investama has helped identify our factory electricity bill problems, previously there was a significant increase in electricity bills by PLN, and after we installed the AIOTKU Energy Monitoring System, we can monitor our kWh consumption in real time and can be used as a reference data to PLN to negotiate our bill, and finally we get our bill back to normal again. we are satisfied with AIOTKU products and the response to any of our problems which are resolved in the shortest possible time.

Rudy Santoso
Engineering Manager

CASE STUDY

PT. Tenaris SPIJ with AIOTKU Energy Monitoring System



AT A GLANCE

Challenges

- Training and Familiarization
- Seamless Integration
- Technical Glitches
- Change Management

OBJECTIVES

PT. Tenaris SPIJ decided to replace Power Monitoring Expert Schneider Electric for their Cllegon factory due to the outdated software version and the desire to avoid or reduce annual license fees. This transition allows them to modernize their power monitoring capabilities and embrace cost-efficient solutions, staying competitive and agile in the evolving industrial landscape.

SOLUTIONS

AIOTKU offers the ideal solution for Tenaris, addressing both the outdated software version and the desire to reduce annual license fees. With its modern technology, seamless integration, and cost-efficient licensing model, AIOTKU empowers Tenaris to upgrade their power monitoring capabilities, stay competitive, and achieve cost savings, making it the perfect choice for their needs.

BENEFITS

First Benefits

Enhanced Operational Efficiency: Advanced features, such as real-time data monitoring and predictive analytics, empower Tenaris to optimize efficiency and streamline power monitoring operations, enhancing productivity.

Second Benefits

Competitive Edge: Leveraging modern technology to stay at the forefront of industrial automation and Industry 4.0 trends, enabling them to capitalize on opportunities in the evolving industrial landscape.

Third Benefits

Cost Savings: AIOTKU's cost-efficient licensing model results in substantial savings for Tenaris, enabling strategic allocation of resources to other crucial areas of their business.

Fourth Benefits

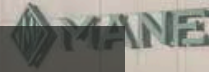
Seamless Integration: Seamlessly integrates, ensuring a smooth transition with minimal downtime. Technical experts collaborate closely with Tenaris for a successful implementation, maximizing the benefits of the new system.



We are delighted with AIOTKU's energy monitoring system. The real-time data monitoring and predictive analytics have optimized our energy consumption and operational efficiency. The seamless integration and cost-efficient licensing have been game-changers, giving us a competitive edge in the industry. AIOTKU has exceeded our expectations, and we look forward to continued success with their technology.

CASE STUDY

PT. Mane Indonesia with AIOTKU Energy Monitoring System



AT A GLANCE

Challenges

- Training and Upskilling
- Data Integration
- Data Security
- Adaptation to Change

OBJECTIVES

PT. Mane Indonesia decided to replace AZBIL's Energy Monitoring for their Cikampek factory due to the limitation of the maximum number of digits displayed by AZBIL's software. This ensures accurate data representation, better decision making and optimized energy management processes, making it a strategic step towards sustainable energy practices.

SOLUTIONS

AIOTKU was adopted as the replacement solution for Energy Monitoring AZBIL to overcome digit display limitations. With advanced capabilities, AIOTKU provided comprehensive and accurate energy usage data representation, optimizing decision-making and energy management. The integration of AI and IoT technologies further enhanced its effectiveness, positioning PT. Mane Indonesia as a leader in sustainable practices.

BENEFITS

First Benefits

Elimination of Limitations: AIOTKU overcame AZBIL's digit display limitations, ensuring accurate energy monitoring data representation.

Second Benefits

Precise Analysis: AIOTKU's advanced capabilities enable accurate energy consumption analysis, optimizing decision-making and energy usage.

Third Benefits

Real-time Insights: AIOTKU's AI and IoT integration enabled instant data analysis and predictive insights, identifying energy efficiency opportunities and potential issues.

Fourth Benefits

Forward-thinking: Embracing cutting-edge technology, PT. Mane Indonesia gained a competitive edge through sustainable energy management practices.



AIOTKU Energy Monitoring System solution has revolutionized our operations at PT. Mane Indonesia. The precise analysis, real-time insights, and ability to overcome digit display limitations have ensured accurate data representation. Our satisfaction stems from significant cost savings and improved plant performance, making AIOTKU an indispensable tool for sustainable energy management.

CASE STUDY

Altira Business Park with AIOTKU Energy Monitoring and AIOTKU Billing System has achieved PLATINUM Rating for Green Building Certification.



AT A GLANCE

Challenges

- Initial Setup and Integration
- Data Management and Security
- Employee Training
- Cost Considerations

OBJECTIVES

The goal is to improve energy efficiency, achieve the highest green building certification, and reduce our carbon footprint. Real-time monitoring of KWh consumption and access to PLN data allows us to identify energy saving opportunities. Simplified billing processes, ensuring accuracy and fair fees while providing examples of more environmentally friendly practices.

SOLUTIONS

The AIOTKU Energy Monitoring and Billing System by PT Sarana Energi Investama has optimized our energy management and helped us achieve the highest green building certification. With real-time KWh monitoring and seamless billing integration, we can identify energy-saving opportunities and streamline our operations. Highly recommended for organizations seeking greener practices and improved energy efficiency.

BENEFITS

First Benefits

Real-time KWh Consumption Monitoring: Gain valuable insights into energy usage patterns, allowing for the identification of energy-saving opportunities and targeted efficiency measures.

Second Benefits

Cost Savings: Implementing energy-saving measures based on real-time data leads to significant cost reductions in energy consumption.

Third Benefits

Reduced Carbon Footprint: By optimizing energy usage, businesses can lower their environmental impact and contribute to a more sustainable future.

Fourth Benefits

Streamlined Billing Processes: The integration of AIOTKU Billing System eliminates manual errors and ensures accurate and fair charges, saving time and improving efficiency.



Implementing the AIOTKU Energy Monitoring and Billing System has been a game-changer for our business. With real-time energy consumption monitoring and seamless billing integration, we have not only achieved significant cost savings but also strengthened our commitment to sustainability. The system's user-friendly interface and outstanding customer support from PT Sarana Energi Investama have made the experience truly satisfying. It's a solution that has exceeded our expectations and set a new standard for energy efficiency in our organization.

CASE STUDY

Titan Nusa Solusi Enhancing Building Management and Tenant Billing Efficiency with Advanced Technology at Titan Nusa Solusi

OBJECTIVES

Titan Nusa Solusi aimed to enhance the efficiency of their building management and tenant billing processes through advanced technology

SOLUTIONS

Titan Nusa Solusi implemented the AIOTKU SEMUT & Billing Systems to monitor their buildings and manage tenant billing effectively.

BENEFITS

1. AIOTKU SEMUT Energy Monitoring System:
 - Real-time Monitoring: Enabled continuous tracking of energy consumption across all buildings.
 - Data Analytics: Provided detailed insights into energy usage patterns, identifying opportunities for energy savings.
 - Alerts & Notifications: Sent real-time alerts for any unusual energy consumption, facilitating prompt corrective actions.
2. AIOTKU Billing System:
 - Automated Billing: Streamlined the billing process by automatically generating accurate bills based on actual energy consumption.
 - Transparency: Ensured tenants received detailed and transparent billing statements.
 - Payment Integration: Integrated with various payment systems to simplify the payment process for tenants.

Results:

- Increased Efficiency: Improved building energy management, leading to significant cost savings.
- Enhanced Tenant Satisfaction: Transparent and accurate billing increased tenant trust and satisfaction.
- Sustainability: Supported Titan Nusa Solusi's sustainability goals by promoting energy efficiency.

AT A GLANCE

Challenges

- Data Accuracy
- System Integration
- User Adoption
- Maintenance



Implementing the AIOTKU Energy Monitoring and Billing System has been a game-changer for our business. With real-time energy consumption monitoring and seamless billing integration, we have not only achieved significant cost savings but also strengthened our commitment to sustainability. The system's user-friendly interface and outstanding customer support from PT Sarana Energi Investama have made the experience truly satisfying. It's a solution that has exceeded our expectations and set a new standard for energy efficiency in our organization.

CASE STUDY

DINAS ESDM with AIOTKU SEMUT and AIOTKU SOLO

AT A GLANCE

Challenges

- Initial Setup and Integration
- Data Management and Security
- Regulatory Compliance
- Technological Adoption

OBJECTIVES

The "Dinas ESDM Provinsi Banten" Energy and Mineral Resources Agency of Banten Province initiative aims to manage electricity consumption, enhance energy efficiency, and reduce carbon footprint. By tracking kWh from solar panels and PLN data, it identifies energy-saving opportunities, promotes eco-friendly practices, and supports compliance with government energy transition regulations for a sustainable future.

SOLUTIONS

PT Sarana Energi Investama's AIOTKU Energy Monitoring (SEMUT) and Solar Logger (SOLO) have enhanced our energy management and enabled us to monitor our energy usage effectively. With real-time kWh monitoring and smooth billing integration, we can spot energy-saving opportunities and optimize our operations. These solutions are highly recommended for organizations aiming for greener practices and better energy efficiency

BENEFITS

1. Energy Production Graphs: The interface displays graphs showing energy production over time. These graphs likely represent the performance of a solar power system, tracking its output throughout different periods.
2. Numerical Data: There are numerical values indicating the current energy output. These figures provide real-time insights into the system's efficiency and capacity utilization.
3. Environmental Impact: By effectively managing electricity consumption and promoting eco-friendly technology adoption, this initiative contributes to environmental sustainability.



CASE STUDY

PT. Aisin Indonesia Automotive with AIOTKU x Schneider

OBJECTIVES

The objective of the collaboration is to install the EcoStruxure PME System at PT. Aisin Indonesia Automotive, enabling efficient monitoring of electricity energy and CO2 emissions. This aims to reduce the environmental footprint and promote sustainability in their operations, showcasing a commitment to innovative and eco-friendly solutions.

SOLUTIONS

The EcoStruxure PME System by Schneider offers a comprehensive solution for PT. Aisin Indonesia Automotive's energy monitoring needs. This advanced system enables real-time insights into electricity consumption and CO2 emissions, facilitating data-driven decisions for optimizing energy usage and promoting sustainability. Its user-friendly interface and sophisticated analytics make it an invaluable tool for streamlining energy management and driving positive change in the industry.

BENEFITS

First Benefits

Enhanced Efficiency: The system provides real-time insights into electricity consumption, enabling the company to identify inefficiencies, reduce wastage, and achieve significant cost savings.

Second Benefits

Reduced Environmental Footprint: Monitoring CO2 emissions enables PT. Aisin Indonesia Automotive to align energy consumption with sustainable practices, contributing to global climate change efforts and promoting a greener future.

Third Benefits

Innovation and Reputation: Adopting cutting-edge technology showcases the company's environmental responsibility, enhancing its reputation as a forward-thinking organization.

Fourth Benefits

Long-Term Sustainability: Embracing the EcoStruxure PME System fosters a more sustainable future for PT. Aisin Indonesia Automotive and the broader community.

AT A GLANCE

Challenges

- Learning Curve
- Technical Integration
- Data Security
- Financial Investment



Implementing the EcoStruxure PME System has been a game-changer for us. The real-time insights into our energy consumption have allowed us to identify inefficiencies and optimize our operations, resulting in substantial cost savings. The system's user-friendly interface and sophisticated analytics have made energy management a breeze. It's not just about the financial gains; knowing that we're contributing to a greener future through reduced environmental impact gives us immense satisfaction as an organization.

CASE STUDY

HONDA

PT. Honda Prospek Motor with AIOTKU IoT System

AT A GLANCE

Challenges

- Seamless integration
- Data security
- Change management
- Ongoing maintenance

OBJECTIVES

The main objective of implementing the IoT system was to optimize machine performance, reduce downtime, and enhance operational efficiency through real-time data analysis and proactive maintenance scheduling. The company aimed to foster a data-driven decision-making culture to continuously improve processes and remain at the forefront of technological advancements in the market.

SOLUTIONS

AIOTKU's cutting-edge IoT system brought real-time machine monitoring and predictive maintenance to PT. Honda Prospek Motor. This enhanced efficiency, reduced downtime, and fostered data-driven decision-making. The remote monitoring capabilities streamlined troubleshooting and improved overall competitiveness in the manufacturing industry.

BENEFITS

First Benefits

Real-time machine monitoring: The system enabled immediate detection of performance issues and inefficiencies, allowing for swift action to prevent potential breakdowns and production disruptions.

Second Benefits

Predictive maintenance: By analyzing data and machine behavior patterns, the IoT system optimized maintenance scheduling, reducing downtime and extending machine lifespans, resulting in cost savings and increased productivity.

Third Benefits

Data-driven decision-making: The IoT system provided valuable insights, empowering the company to make informed decisions, identify areas for process improvement, and streamline operations, leading to enhanced overall efficiency.

Fourth Benefits

Simplified technical support: The remote monitoring feature simplified technical support processes, saving time and resources and contributing to increased operational effectiveness.



Implementing AIOTKU's IoT system has been a game-changer for our company. The real-time machine monitoring and predictive maintenance features have not only minimized downtime but also improved overall efficiency. We now make data-driven decisions, which have led to significant process improvements and cost savings. The system's remote monitoring capabilities have simplified technical support, saving us time and resources. We are extremely satisfied with the results and are proud to be at the forefront of embracing innovative technologies for our manufacturing operations.

CASE STUDY

PT. Bambang Djaja with AIOTKU Maintenance System

OBJECTIVES

The objective of the AIOTKU Maintenance System is to enhance maintenance efficiency, minimize downtime, and prolong machinery lifespan. By utilizing real-time data and predictive analytics, the system aims to enable proactive upkeep, optimize equipment performance, and support sustainable practices for long-term success.

SOLUTIONS

The AIOTKU Maintenance System is an advanced solution that streamlines maintenance schedules, optimizes equipment performance, and provides valuable insights for strategic planning. With this system in place, we enhance operational efficiency, reduce downtime, and prolong machinery lifespan, leading to a more productive workflow.

BENEFITS

First Benefits

Efficient scheduling: The system enables timely and proactive maintenance, reducing unplanned downtime and enhancing equipment reliability.

Second Benefits

Early issue detection: Through logging data and machine performance monitoring, potential problems can be identified early, preventing costly breakdowns and operational disruptions.

Third Benefits

Strategic planning: Valuable insights into individual machine lifespans allow informed decisions about replacements or upgrades, optimizing resource allocation and reducing expenses.

Fourth Benefits

Cost savings and productivity: Improved operational efficiency and prolonged machinery lifespan lead to significant cost savings and increased productivity, providing a competitive edge in the industry.

AT A GLANCE

Challenges

- Integration and compatibility
- Data security and privacy
- Scalability
- Cost considerations



The AIOTKU Maintenance System has been a game-changer for our organization. It has brought unprecedented efficiency to our maintenance operations, allowing us to proactively address potential issues before they escalate. Our team is now empowered with real-time data and valuable insights, enabling us to make data-driven decisions with confidence. The system's user-friendly interface and customizable reporting have simplified our workflow and improved collaboration among team members. Overall, the AIOTKU Maintenance System has exceeded our expectations, and we are extremely satisfied with the tangible results it has brought to our business.

CASE STUDY

PT. Semen Jawa (SCG) with AIOTKU OEE Monitoring



PT. SCG LIGHTWEIGHT CONCRETE INDONESIA

AT A GLANCE

Challenges

- Integration with existing infrastructure
- Workforce adaptation
- Data security and privacy
- Initial cost

OBJECTIVES

The objective is to optimize efficiency, productivity, and quality in cement production by implementing the AIOTKU OEE Monitoring system at PT. Semen Jawa.

SOLUTIONS

The AIOTKU OEE Monitoring system offers PT. Semen Jawa a data-driven solution to optimize cement production efficiency. Leveraging AI and IoT, the system provides real-time monitoring and analysis, identifying areas for improvement and enabling predictive maintenance. This empowers the company to increase productivity and stay at the forefront of technological advancements in the industry.

BENEFITS

First Benefits

Real-time monitoring and analysis: The system provides valuable insights into the Overall Equipment Effectiveness (OEE) of the conveyor machines, identifying inefficiencies and areas for improvement.

Second Benefits

Predictive maintenance capabilities: PT. Semen Jawa can plan maintenance activities effectively, reducing unexpected breakdowns and associated costs.

Third Benefits

Streamlined operations and enhanced productivity: The system minimizes downtime and maximizes output, leading to efficient cement production.

Fourth Benefits

A culture of continuous improvement: The data-driven approach encourages decision-making based on insights, optimizing the conveyor's performance consistently. This ensures a competitive edge in the industry and drives long-term success.



AIOTKU OEE Monitoring has been a game-changer for our cement production process at PT. Semen Jawa. With real-time insights into our conveyor machines' performance, we have achieved unparalleled efficiency and productivity. The system has empowered our team to make data-driven decisions, leading to continuous improvement and seamless operations. Thanks to AIOTKU OEE Monitoring, we have minimized downtime, optimized performance, and experienced a level of satisfaction we never thought possible.

CASE STUDY

PT. Semen Jawa (SCG) with AIOTKU Warehouse System



PT. SCG LIGHTWEIGHT CONCRETE INDONESIA

AT A GLANCE

Challenges

- Initial setup and integration
- Employee training and adaptation
- Data security and privacy
- Reliability and resilience

OBJECTIVES

The objective of implementing the AIOTKU Warehouse System at PT. Semen Jawa is to efficiently monitor and manage inventory, optimize space utilization, and improve overall supply chain efficiency. This aims to reduce operational costs, minimize stockouts, and enhance customer satisfaction.

SOLUTIONS

The AIOTKU Warehouse System provides PT. Semen Jawa with real-time visibility into multiple warehouses, enabling accurate inventory tracking, improved control, and optimized space utilization. This innovative solution enhances supply chain efficiency and ensures a more agile response to customer demands.

BENEFITS

First Benefits

Real-time visibility: The system provides real-time visibility into multiple warehouses, enabling accurate inventory tracking and better control.

Second Benefits

Improved inventory management: With the ability to identify fast-moving items and anticipate inventory needs, PT. Semen Jawa can optimize stock levels and reduce the risk of stockouts or overstocking.

Third Benefits

Cost savings: The Warehouse System optimizes warehouse space utilization, leading to reduced operational costs and increased efficiency in the supply chain.

Fourth Benefits

Enhanced customer satisfaction: The streamlined approach to inventory management ensures a more agile response to customer demands, resulting in improved customer satisfaction and loyalty.



Implementing the AIOTKU Warehouse System has been a game-changer for our company. The real-time visibility into our inventory and the seamless control it provides have significantly improved our overall supply chain efficiency.

With better inventory management, we can now meet customer demands more effectively, resulting in higher satisfaction levels and increased loyalty. The system has exceeded our expectations, streamlining our operations and paving the way for future growth.

CASE STUDY

PT. Highlander Genset with AIOTKU CRM System

OBJECTIVES

Implementing AIOTKU CRM System at PT. Highlander Genset streamlines sales, enhances customer engagement, and leverages AI and IoT for better decision-making, aiming to boost sales efficiency and secure a market leader position in power generation.

SOLUTIONS

AIOTKU CRM System An advanced, centralized solution for sales tracking, customer management, and real-time data insights at PT. Highlander Genset. AI and IoT integration ensure improved sales efficiency, proactive support, and a competitive edge in the market.

BENEFITS

First Benefits

Streamlined Sales Process: The AIOTKU CRM System efficiently tracks leads and manages customer interactions, simplifying the workflow. Centralized data provides a comprehensive view, enabling better segmentation and personalized marketing strategies.

Second Benefits

Enhanced Customer Satisfaction: Real-time access to customer information fosters stronger relationships, prompt responses to inquiries, and higher retention rates, increasing loyalty.

Third Benefits

Data-Driven Decision Making: AI and IoT integration empowers the company with valuable insights, optimizing sales strategies and customer support for improved efficiency and performance.

Fourth Benefits

Competitive Advantage: The AIOTKU CRM System positions PT. Highlander Genset as a market leader by revolutionizing customer management and leveraging cutting-edge technologies, ensuring long-term success and growth in the power generation industry.

AT A GLANCE

Challenges

- Sales Integration Complexity
- HR Data Concerns
- Financial Implications
- Change Management



As a business owner, implementing the AIOTKU CRM System has been a game-changer for us. The level of satisfaction we've experienced from using this advanced solution is beyond measure. It has revolutionized how we engage with our customers, allowing us to provide personalized experiences and address their needs promptly. The real-time data insights and analytics have empowered us to make data-driven decisions, resulting in improved sales efficiency and overall performance. The AIOTKU CRM System has truly elevated our customer management and helped us stay ahead in today's competitive landscape.