



# **COMPANY PROFILE**

**PT. INNOVASINDO SMART SYSTEM**

**AUTOMATION  
CONTROL SYSTEM  
PROCESS AND SAFETY  
MONITORING SYSTEM**



# ABOUT US

Innovasindo smart system is a system integrator company in Indonesia. Established since 2014 with the main business services of advanced PLC (Programmable Logic Control) and SCADA (Supervisory Control and Data Acquisition) technology for various fields of industrial automation in manufacturing, utilities, oil & gas and other industrial services.

Along with the development of technology and digitalization, Innovasindo Smart System added other business service lines including BMS (Building Management System), PMS (Power Management System), OMS (Online Monitoring System). With the increase in business services, the company has added value and competitiveness in the industry. We believe that flexibility and innovation are the keys we can provide the best service for all the services we provide to customers



# Core of Business



## Industrial Automation

We support various industrial automation services including PLC, HMI, SCADA, troubleshooting and integration of several devices to be built as a new system



## Building Management System

A building management system, also known as BMS, is a computer-based control system that is applied to buildings. Its function is to control and monitor building mechanical and electrical equipment such as ventilation, lighting, power systems, fire safety systems, and other security systems.



## Power Management System

Power management systems help ensure the safe, reliable, efficient, and compliant operation of your electrical distribution systems, including the assets connected to it. This power management system can determine the appropriate system response to a variety of changes and disturbances by using electrical and physical parameters, loading and generation levels, network topology, and control logics.



## Online Monitoring System

The system compiles all relevant information about every project in one system. These data can then be accessed by any users, anytime, and anywhere. All project will take place through the online monitoring system and in this sense the system will fully support the vast majority of programme operations and activity.



## Control Panel Assembly

We have capability to design and build all types of control panels as well as electrical panels complementing our automation control system and facilitating the integration of the electrical system with the overall SCADA system.

# CONTROL SYSTEM DESIGN

The design of control systems is a specific example of engineering design. The goal of control engineering design is to obtain the configuration, specifications, and identification of the key parameters of a proposed system to meet an actual need. Its following technical aspect such as



# FIELD SERVICES



With The development of automation technology for various instrumentation, this field has become an important point for achieving a good and reliable system. For that, we offer some service that will be good point for client to maintain their system

# CUSTOM INDUSTRIAL SOFTWARE DEVELOPMENT



We offer the development of custom industrial software solutions that interface with existing systems or the new one. It made to fit the customer's maintenance, planning or any other needs and requirements. Moreover, with 4.0 Industrial era this requirement need to upgradable to Online Monitoring System which can be accessed anywhere

# PLATFORM

We offer our clients the control their platform; we work closely with the clients in order to guide them in making the most suited selection for their specific needs for budgeting, development, aftersale and others.



# ONLINE MONITORING SYSTEM



We offer a variety of smart services, cloud portals, and applications, which can be added anytime without any additional installation efforts. Customers can also add third-party solutions as needed, or even develop their applications. New sensors can simply be connected. As for maintenance, it can be maintained anywhere and anytime



# POWER MANAGEMENT SERVICES AND ENERGY MONITORING

Technological developments in various industrial fields have contributed to a high increase in energy consumption. Efficiency is important to reduce electricity consumption. Energy Monitoring gives us an idea of how much electrical power consumption is in machines, lights, and other electrical equipment so that the scheduling and maintenance of the equipment can be monitored prop-

## General Electric Energy

- Electrical power network quality monitoring
- Consumption measurement on particular equipment/ machine on the premises
- Photovoltaic parameters monitoring
- Optional monitoring of other switch-gear components

## Water and Other Liquid

- Pipe pressure monitoring and area flooding detection
- Media flow rate measurement (e.g. for wastewater at a water treatment plant)

## Gas

- CO2 leakage monitoring or early fire detection



## Electrical and Control Panel Assembly

We have the in-house capability to design and build all types of control panels as well as electrical panels complementing our Automation Solution Division and facilitating the integration of the electrical system with the overall SCADA system. We also offer this service to outside clients as well supplying panels as per their design.

# PORTFOLIO OF PROJECT AND RESEARCH

## Part 1

- Site Engineering Upgrade Fire and Gas Detection System GTG GENP Pabrik 4, Pupuk Kaltim, Bontang, East Kalimantan for Main Con PT. Wifgasindo Dinamika Instrument Engineering.
- Victoria Square Apartment "Home Automation" engineering, Installation, and Commissioning, Cimone, Tangerang, Banten.
- HMI engineering for Deluge Safety Dryer, SGM Sarihusada, Yogyakarta for Main Con PT. Intergra Automasi.
- Site Engineering for Onshore Honeywell and Offshore Wonderware HMI Total E&P Senipah East Kalimantan for Main Con PT. Wifgasindo Dinamika Instrument Engineering.
- PLC and HMI engineering for CIP line C project TFD315 Sari Husada, Yogyakarta for PT. Intergra Automasi.
- HMI engineering for Dryer TFD 315 modification and communication troubleshoot for PT. Intergra Automasi.
- HMI Boiler reconfiguration after long term shutdown Sari Husada, Yogyakarta for PT. Intergra Automasi.
- PLC engineering for Control System Upgrade, PT Jati Luhur Agung, Semarang for PT. Intergra Automasi.
- Mr. Chandra house "Home Automation" System engineering, Bogor West Java
- Flexonic Ultrasonic Gas Leak Detector class training for PT. Wifgasindo Dinamika Instrument Engineering.
- PLC dan HMI engineering for Fresh Milk Reception Saari Husada, Yogyakarta for PT. Intergra Automasi.
- Automatic paving block machine development, Garuda Paving, Banyuwangi.
- Pharmacy automation system development with Q-lab Kinarya Sentosa.
- SPAM control HMI and PLC modification, UNS, Surakarta.
- CIP line from FMR Century replacement, SGM SH2 Klaten. Mini Fuel Dispenser innovation for retail business.
- Website development for BorneoOrangutan.com
- Batching Plant Unit Retrovit, Riau Bumi Persada Beton, Dumai.
- SKK Migas Flow Meter Real Time Monitoring installation at Kalrez Petroleum Ltd  
SKK Migas Flow Meter Real Time Monitoring troubleshoot at Pertamina aset 3  
SKK Migas Flow Meter Real Time Monitoring troubleshoot at Pertamina aset 5  
SKK Migas Flow Meter Real Time Monitoring troubleshoot at VICO
- Power Monitoring & Building Automation Gedung Kedokteran UGM HMI retrofit Celaschi PT Jatiluhur Agung Semarang.
- Four Season Hotel control system troubleshooting, Jakarta Upgrade automatic cutting machining Setia Kawan Teknik Ciputat.
- Reprogramming PLC HMI Automatic Paving Block Machine Garuda Paving Banyuwangi.
- Troubleshooting PLC Booster Pump Roof Northland Ancol Apartment.
- Automatic Climatic & Walk-in Test Chamber PT Qlab Kinarya Sentosa Automatic Energy Saver and Internet Monitoring for Darsono Production.

# PORTFOLIO OF PROJECT AND RESEARCH

## Part 2

- Fire & Gas Safety System Logger for Perusahaan Gas Negara (PGN) East Java (Maincon CV Ren Usaha Mandiri) CO Data Logger for Berau Coal Site (Maincon PT Teknokraft)
- Auto Claved control system upgrade for PT Corin Mulia Gemilang Sidoarjo
- Data Logger for Oil and Gas Industri, NPS, Jakarta
- SCADA system for New Yogyakarta International Airport, Jetec, Yogyakarta
- Fuel consumption monitoring, PLN Tello, Makassar.
- Tank Level Monitoring, PLN Tello, Makassar.
- Flowmeter Monitoring, PLN Tello, Makassar.
- Configuration Monitoring Online VT-SCADA, ULPLTG Tello, Makassar.
- Automation Lighting Control, Museum Sonobudoyo, Yogyakarta.
- Sparing System, Indonesia Royal Paper, Jombang.



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