



DRA
INSTRUMEN

Specialized in SWAS, Electrical Panel, SCADA & Industrial Monitoring Systems

Electricity Construction: LV Panel: (LVMDP, MCC, Capacitor Bank, Junction Box, Marshalling Kiosk / Transformer Panel)

About Us

Supported by experts and skilled staff in their fields with high commitment, we continuously strive to provide the best service and improve the quality and quality of panel products that are equivalent to international quality. With commitment and support from partners who are experts in their fields, PT. DRA Instumen Indonesia is committed to providing high quality services and products to support the development of the electricity industry in Indonesia.

Electricity Construction: LV Panel: (LVMDP, MCC, Capacitor Bank, Junction Box, Marshalling Kiosk / Transformer Panel)



OUR MILESTONE

Established

Formed as a business entity incorporated as PT. Starting with 3 HR people. Rented a place in one of the Cileungsi area as the first office.

Develop

Develop strategic office and workshop locations while expanding services to include reselling imported materials for Process Analyzers.

2013

2020

2010

2017

Grow Up

Moving to a wider location, with additional human resources due to the increasing number of orders.

Expansion

Adding the service sector in the field of SWAS/ Sampling Rack. Trusted by PLN/PLTU to collaborate.

Vision, Mission & Value

1

VISION

Providing the best service to every customer
Produce products with the best standards
and quality and on time To become a
company and committed to continuing to
innovate and improve sustainable quality

2

MISSION

Become one of the international companies
that can support development in the
electrical energy sector as a provider of
electrical and control panel solutions, as well
as engineering services on a global scale.

3

VALUE

SMART (Solid, Market oriented, Assurance, Rapid,
Totality)

Meet Our Team



Dezyla Rizky
Finance



Kahar Muda
Chief Executive Officer



Rizky Fauzi
Human Resources



Faris Adani
Purchasing



Ismail Saputra
Production

Our Main Product

LV PANEL

ANALYZER

SCADA

SWAS

MCC

CEMS

CAPACITOR
BANK



SWASS

Steam Water Analytical System



Steam Water Analytical System (SWAS) is a system dedicated to steam or water analysis. In power plants, it is commonly used to analyze boiler steam and water to ensure the water used to produce electricity is clean of impurities that could cause corrosion on any metal surfaces, such as in boilers and turbines.

PT DRA Instrumens has currently expanded the scope of work in the form of SWAA / Sampling Rack in 2020. We have the opportunity to collaborate with PT. PLN Persero :

Product Of *SWASS*



Sample Cooler



Back Pressure
Relieve Valve



Thermal
Shut-Off Valve



Multi-Streams
Analyzer Squencer



Compact
Conditionong Panel



Degassed Cation
Conductivity



Degassed Catio
Conductivity



Water Cooling
Temperature
Control Unit



High Pressure
Reducer Valve



Standard
Sample Probe



Isokinetik Steam
Sample Probe



Cation
Resin Column

SWASS PROJECT LIST

No	END USER	MAIN CONTRACTOR	JOB DESCRIPTION	REMARK
1	PLN NP PLTU PULANG PISAU - KALIMANTAN TENGAH (2021)	PT. ABB SHAKTI INDUSTRI	NEW INSTALLTION SAMPLING RACK (2 UNIT)	ANALYZER SHELTER
2	PLTU BARRU-SULAWESI SELATAN-2023	PT. ABB SHAKTI INDUSTRI	NEW INSTALLTION SAMPLING RACK (1 UNIT)	ANALYZER SHELTER
3	PLTU TENAYAN -RIAU (2023)	PT. ABB SHAKTI INDUSTRI	NEW INSTALLTION SAMPLING RACK (2 UNIT)	ANALYZER SHELTER
4	PLTU BOSOWA ENERGI - JENEPONTO SULAWESI SELATAN (2024)	PT. ABB SHAKTI INDUSTRI	NEW INSTALLTION SAMPLING RACK (2 UNIT)	ANALYZER SHELTER
5	PLTGU BELAWAN-SUMATERA UTARA(2025)	PT. ABB SHAKTI INDUSTRI	NEW INSTALLTION SAMPLING RACK (2 UNIT)	ANALYZER SHELTER

SWASS PROJECT DOCUMENTATION

SWASS INSTALLTION



SWASS PROJECT DOCUMENTATION

SWASS INSTALLTION



SWASS PROJECT DOCUMENTATION

SWASS ASSEMBLY



SWASS PROJECT DOCUMENTATION

SWASS REVALITATION



CEMS

Continuous Emission Monitoring System



Continuous Emission Monitoring System (CEMS) is a system used to continuously monitor exhaust emissions from pollution sources, such as factory chimneys or power plants. CEMS works by measuring the concentration of certain gases, such as carbon dioxide (CO₂), sulfur dioxide (SO₂), nitrogen oxide (NO_x), oxygen (O₂), and other particles that can harm air quality or human health.

CEMS is essential in ensuring that industries or power plants comply with environmental standards set by the government, as well as helping in real-time control of air pollution.

Main Component:

- 1 Sensors or measuring devices to detect certain gases or particles. Sample collection device to draw gas or air from the chimney.
- 2 Sample collection device to draw gas or air from the chimney.
- 3 Data processing devices that process and analyze the information obtained.
- 4 Reporting system that sends monitoring data to authorized parties or operators.

LVMDP PANEL

LV MDP Panel

Low Voltage *Main* Distribution Panel



LV MDP Panel (Low Voltage Main Distribution Panel) LVMDP works on low voltage current and functions as the main power distributor to all electrical installations in a building. These panels function as power distributors originating from PLN (main power source) & Genset (emergency power source) which are equipped with a switching system. These panels do not have generator controls or PLN transformers. This panel can be operated using a manual or automatic system.

MCC Panel

Motor Control Centers Panel



MCC Panel (Motor Control Centers Panel) The function of the MCC Panel in the industrial world is very important, its main use is as a protection and control system, interlock, and motor load monitoring. In a panel, the MCC installation consists of a starter motor, MCB/fuse (fuse), bus bar, and also a push button. The starter motor itself has a function as a controller, namely turning the engine on or off using the contactor inside. Another function is as an Overload Relay for protection by cutting off the electricity if the load is excessive.

Capacitor Bank

Low Voltage *Main* Distribution Panel



Capacitor Bank Panel The **Capacitor Bank Panel** is a panel consisting of several capacitor units installed in series or parallel. Capacitor bank panels can be used in industrial / factories, offices, apartments and other buildings. The function of the capacitor bank is to reduce reactive power.

Marshalling Kiosk

Marshalling Kiosk / Transformer Panel



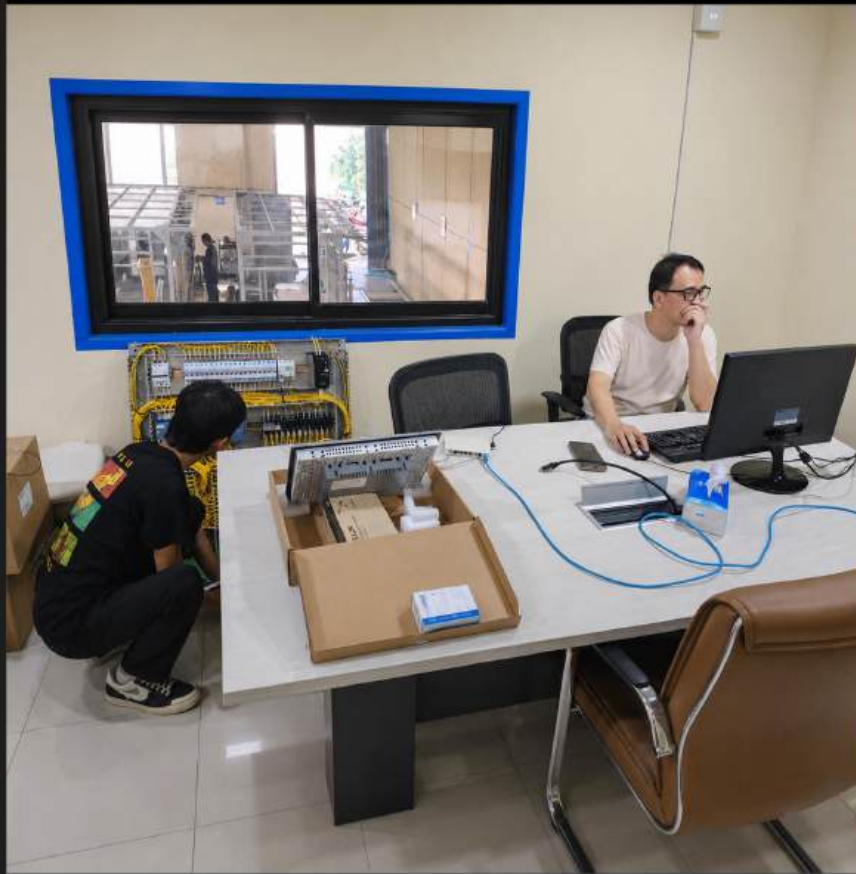
Marshalling kiosks

Provide a convenient connection point for control, protection and instrumentation systems used in substations. This includes DC and AC power, instrument transformers, and switchgear equipment. PT. DRA Instruments Indonesia has become a permanent supplier of MK panels to PT. Unelec Indonesia (UNINDO).



SCADA

Supervisory Control and Data Acquisition



SCADA

SCADA (Supervisory Control and Data Acquisition) is an industrial automation system designed for real-time monitoring, control, and data acquisition, enabling efficient centralized supervision of industrial operations to improve reliability, safety, and operational performance.



Instrument Process & Analyzer

Process Analyzer is a system used to monitor, analyze, and control industrial processes by collecting data such as temperature, pressure, flow, and material composition. The analysis helps improve operational efficiency, product quality, safety, and environmental standards across various industries.

Water Analyzer



SWAS, Gas Analyzer, Complete System



Sample Probe, Heated Line, Sample Pump



Gas Cooler, Moisture Detector

Our Customer

We are committed to providing high-quality, safe, and cost-effective solutions that meet each client's specific requirements. Our proven track record and dedication to excellence make us a trusted partner for projects of all sizes.

The logo for ASPEX, featuring the word "ASPEX" in green capital letters inside a green hexagonal border.The logo for Bakrie, featuring a stylized orange and blue graphic above the word "Bakrie" in black.The logo for PLN, featuring a yellow square with a red lightning bolt and blue wavy lines, with "PLN" in blue below.The logo for FajarPaper, featuring a green circular icon and the text "FajarPaper" in green.The logo for PUSRI, featuring a blue shield with a yellow sun and the text "PUSRI" above and "PT. CIKARANG LISTRINDO" below.The logo for PJB, featuring a yellow square with a red lightning bolt and the text "PJB" in blue.The logo for PT Cikarang Listrindo Power Company, featuring a red lightning bolt inside a white square, with the text "PT CIKARANG LISTRINDO POWER COMPANY" below.The logo for MUSIM MAS, featuring a green and white stylized mountain or tree graphic, with "MUSIM MAS" in green below.The logo for Apeiron Bioenergy, featuring a green leaf icon and the text "Apeiron Bioenergy" in black.The logo for TK, featuring a red stylized "TK" inside a red circle.The logo for Chevron, featuring a blue and red stylized "V" shape with the word "Chevron" in blue above.

Our Customer

Many companies choose us as their electrical and mechanical contractor for our strong expertise, quality assurance, rapid response, and professional service. With 15+ years of experience and a skilled team, we deliver projects efficiently and reliably.



 **PLN**
Nusantara Power Services

 **PLN**
Indonesia Power Services

ABB


YOKOGAWA



 **UNINDO**

B&D
TRANSFORMER
Simply Reliable

ELSEWEDY
ELECTRIC



Our Partner

entrelec

Autonics

mimilec[®]

 **WEINTEK**

 Kraus & Naimer

Schneider
Electric

Our Partner



Our Service

Our services are designed to support industrial operations with reliable electrical, instrumentation, and control system solutions. From engineering design to installation and commissioning, we deliver efficient, high-quality, and professional services tailored to your project needs.

- 1 **Assesment**
- 2 **Engineering Design**
- 3 **Construction / Instalation**
- 4 **Start Up & Commisioning**

Company Validity



npwp. KPP PRATAMA CILEUNGS

21.085.869.2-436.000
PT. DRA INSTRUMEN INDONESIA

NPWP16 : 0210858692436000

PERUMAHAN DUTA MEKAR ASRI, M2, 18, CILEUNGS
KIDUL, CILEUNGS, KAB. BOGOR, JAWA BARAT, 16821

Tanggal Terdaftar 08/04/2009





DRA
INSTRUMENTS
PORTOFOLIO

Our Project List

No	End User	Main Contractor	Jobs Description	Remark
1	PT. ASPEX KUMBONG - BOGOR	PT. DRA INSTRUMEN INDONESIA	RETROFITE (MCC & PANEL OPERATION SYSTEM)	PAPER PRODUCTION
2	PT. FAJAR SURYA WISESA - CIBITUNG	PT. YOKOGAWA INDONESIA	RETROFITE (INSTRUMENTATION & CONTROL SYSTEM)	PAPER PRODUCTION
3	PLTU TENAYAN - RIAU	PT. SIEMENS INDONESIA	NEW INSTALTION (CEMS SYSTEM)	EMISION MONITORING
4	BAKRI GROUUP - LAMPUNG	PT. DHS INDONESIA	NEW INSTALTION (INSTRUMENTATION & CONTROL SYSTEM)	BIOGAS SYSTEM
5	PT. PUSRI - PALEMBANG	PT. SIEMENS INDONESIA	NEW INSTALTION (AMONIA SYSTEM MONITORING)	FERTILIZER
6	PLTU MUARA KARANG 1 - JAKARTA UTARA	PT. YOKOGAWA INDONESIA	NEW INSTALTION (STEAM SAMPLING SYSTEM)	STEAM & WATER
7	PLTU PULPIS - KALSEL	PT. DHRAMA DWIPUTRA	RETROFITE (STEAM SAMPLING SYSTEM)	STEAM & WATER
8	PLTU BARRU - SULESEL	PT. ABB SAKTI - INDONESIA	RETROFITE (STEAM SAMPLING SYSTEM)	STEAM & WATER
9	PERTAMINA UP V	PT. YUAN SEJATI	RETROFITE (GAS METERING SYSTEM)	GAS MONITORING
10	CIKARANG LISTERINDO	PT. POLARIS	RETROFITE (GAS METERING SYSTEM)	GAS MONITORING

No	End User	Main Contractor	Jobs Description	Remark
11	MUSI MAS - PK LESUNG - RIAU	PT. DHS INDONESIA	NEW INSTALTION (INSTRUMENTATION & CONTROL SYSTEM)	BIOGAS SYSTEM
12	FIRST RESOUCES - DUMAI	PT. DRA INSTRUMEN INDONESIA	NEW INSTALTION (INSTRUMENTATION & CONTROL SYSTEM)	BIOGAS SYSTEM
13	FIRST RESOUCES - PAKANBARU SAM	PT. DRA INSTRUMEN INDONESIA	NEW INSTALTION (INSTRUMENTATION & CONTROL SYSTEM)	BIOGAS SYSTEM
14	FIRST RESOUCES - PAKANBARU SIR	PT. DRA INSTRUMEN INDONESIA	NEW INSTALTION (INSTRUMENTATION & CONTROL SYSTEM)	BIOGAS SYSTEM
15	FIRST RESOUCES - PAKANBARU	PT. DRA INSTRUMEN INDONESIA	NEW INSTALTION (INSTRUMENTATION & CONTROL SYSTEM)	BIOGAS SYSTEM
16	PT.APEIRON BIO ENERGY - BOGOR	PT. DRA INSTRUMEN INDONESIA	NEW INSTALTION (INSTRUMENTATION & CONTROL SYSTEM)	COOKING OIL
17	PT.APEIRON BIO ENERGY - BALI	PT. DRA INSTRUMEN INDONESIA	NEW INSTALTION (INSTRUMENTATION & CONTROL SYSTEM)	COOKING OIL
18	PT.APEIRON BIO ENERGY - BALI	PT. DRA INSTRUMEN INDONESIA	NEW INSTALTION (INSTRUMENTATION & CONTROL SYSTEM)	COOKING OIL
19	PLTU SINTANG - KALBAR	PT DHRAMA DWIPUTRA	NEW INSTALTION (MCC & SCADA SYSTEM)	WTP PLAN
20	PJB JATILUHUR	PT. AZET	NEW INSTALTION (CONTROL SYSTEM & ME)	SOLAR SURYA 1MW
21	PT CEVRON - KAMOJANG	PT. YOKOGAWA INDONESIA	NEW INSTALTION (INSTRUMENTATION & CONTROL SYSTEM)	GEO THERMAL
22	PT. PLN	PT. CG POWEL (TRANFORMER)	NEW INSTALTION (PANEL TRANFORMER & REMOTE CONTROL PANEL)	OPEN BOOK 30 MVA - 60MVA 2011 - 2022

No	End User	Main Contractor	Jobs Description	Remark
23	PT. PLN	PT. BAMBANG DJAYA (TRANSFORMER)	NEW INSTALTION (PANEL TRANFORMER & REMOTE CONTROL PANEL)	BIOGAS SYSTEM
24	PT. PLN	PT. AREVA(TRANFORMER)	NEW INSTALTION (PANEL TRANFORMER & REMOTE CONTROL PANEL)	BIOGAS SYSTEM
25	PT. PLN	PT. ALSTOM (TRANFORMER)	NEW INSTALTION (PANEL TRANFORMER & REMOTE CONTROL PANEL)	BIOGAS SYSTEM
26	PT. PLN	PT. GENERAL ELECTRIC / GE (TRANFORMER)	NEW INSTALTION (PANEL TRANFORMER & REMOTE CONTROL PANEL)	BIOGAS SYSTEM
27	PT. ANEKA BOGA-LAMPUNG	PT. DRA INSTRUMEN INDONESIA	NEW INSTALTION (INSTRUMENTATION & CONTROL SYSTEM)	BIOGAS SYSTEM
28	PT. TITIAN KALTIM - SAMARINDA	PT. DRA INSTRUMEN INDONESIA	NEW INSTALTION (INSTRUMENTATION & CONTROL SYSTEM)	COOKING OIL
29	PGN	PT. YUAN SEJATI	RETROFITE (INSTRUMENTATION & GAS METERING SYSTEM)	COOKING OIL
30	PGN	PT. INSTRUMENT KONTROL INDONESIA	RETROFITE (MCC & SCADA SYSTEM)	COOKING OIL
31	FIRST RESOURCE- GORONTALO	UNINDO	NEW INSTALTION (PANEL & BOX MK 817)	WTP PLAN
32	FIRST RESOURCE- GORONTALO	UNINDO	NEW INSTALTION (PANEL & BOX MK 817-02)	SOLAR SURYA 1MW
33	FIRST RESOURCE- GORONTALO	UNINDO	NEW INSTALTION (PANEL & BOX MK 817-01)	GEO THERMAL
34	FIRST RESOURCE- INALUM	UNINDO	NEW INSTALTION (PANEL & BOX MK 813)	OPEN BOOK 30 MVA - 60MVA 2011 - 2022

No	End User	Main Contractor	Jobs Description	Remark
35	PLTU BARUU	PT. ABB SHAKTI INDUSTRI	NEW INSTALTION SAMPLING RACK	ANALYZER SHELTER
36	GE VERVENOVA	UNINDO	NEW INSTALTION (PANEL & BOX MK 933)	PADERNALES (AMERIKA SERIKAT - REPUBLIK DOMINIKARIBIA TIMUR LAUT)
37	PLTU BOSOWA ENERGI TROPIGAS	UNINDO	NEW INSTALTION (PANEL & BOX MK 933)	TROPIGAS
38	GE VERVENOVA	PT. ABB SHAKTI INDUSTRI	PERBAIKAN SAMPLING RACK UNIT 1 DAN 2	MODIFIKASI SAMPLING RACK
39	GE VERVENOVA	UNINDO	NEW INSTALTION (PANEL & BOX MK 935)	JOBOS (AMERIKA SERIKAT-REPUBLIKDOMINIKARIBIA TIMUR LAUT)
40	GE VERVENOVA	UNINDO	NEW INSTALTION (PANEL & BOX MK 936)	SALINAS (AMERIKA SERIKAT-CALIFORNIA)
41	GE VERVENOVA	UNINDO	NEW INSTALTION (PANEL & BOX MK 937)	IKN SOLAR FARM
42	GE VERVENOVA	UNINDO	NEW INSTALTION (PANEL & BOX MK 938)	PANAMA (AMERIKA TENGAH)
43	PLN NP PLTU PULANG PISAU - KALIMANTAN TENGAH (2021)	PT. ABB SHAKTI INDUSTRI	NEW INSTALTION SAMPLING RACK (2 UNIT)	ANALYZER SHELTER
44	PLTU BARRU - SULAWESI SELATAN - 2023	PT. ABB SHAKTI INDUSTRI	NEW INSTALTION SAMPLING RACK (2 UNIT)	ANALYZER SHELTER
45	PLTU TENAYAN - RIAU (2023)	PT. ABB SHAKTI INDUSTRI	NEW INSTALTION SAMPLING RACK (2 UNIT)	ANALYZER SHELTER
47	PLTU BOSOWA ENERGI - SULAWESI SELATAN (2024)	PT. ABB SHAKTI INDUSTRI	NEW INSTALTION SAMPLING RACK (2 UNIT)	ANALYZER SHELTER
48	PLTGU BELAWAN-SUMATERA UTARA (2025)	PT. ABB SHAKTI INDUSTRI	NEW INSTALTION SAMPLING RACK (2 UNIT)	ANALYZER SHELTER

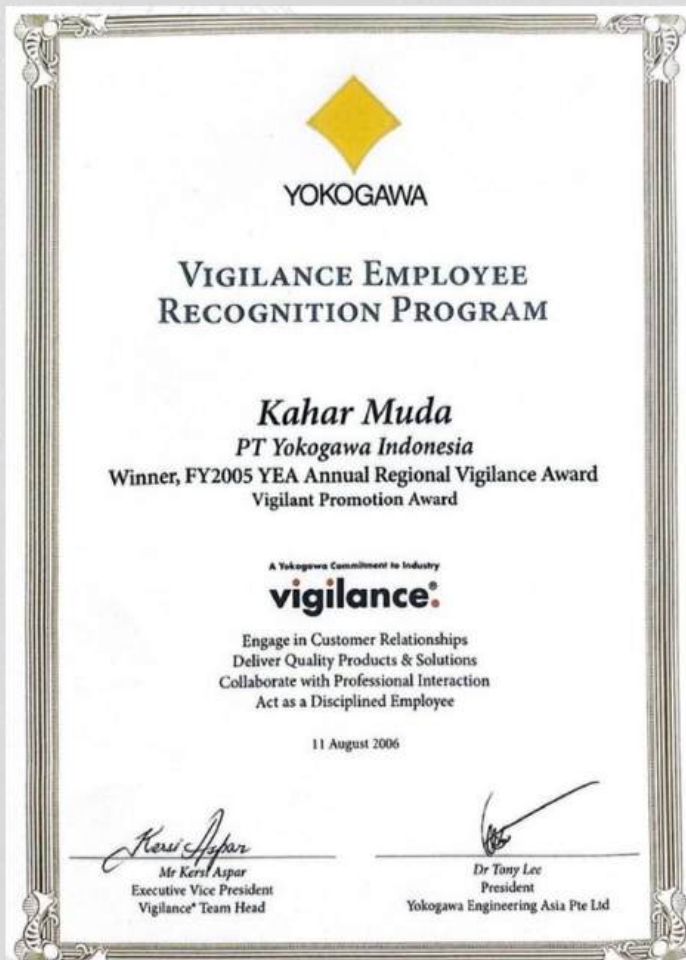
Our Achievement



Our Achievement



Our Achievement



2026

Instagram
@drainstrumen

Number
(021) 82499923

Email
kkaharm@dra.co.id

Whether you need electrical panels, instrumentation systems, SWAS, CEMS, or industrial control solutions, PT DRA Instruments Indonesia is ready to support your project with professional service, quality assurance, and experienced engineering expertise. Let's build reliable industrial solutions together.



drainstrumen.ind@gmail.com

Website : www.dra.co.id