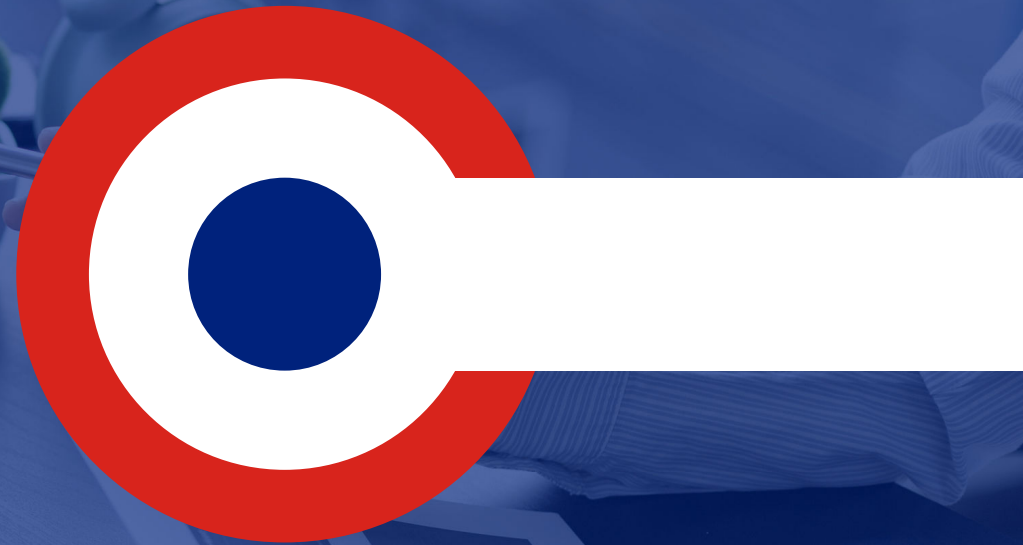


COMPANY PROFILE



VISION

As a strong and innovative company in the field of Smart Systems, Information Technology and Education that is oriented towards consumer / market needs solutions.

MISSION :

- To become a national company that is ready to compete in the free market era.
- Fulfilling market needs solutions: Smart System, Information Technology and Education



COMPANY LEGALITY

CV SONA JAYA TECHNOLOGY

1. NomorTandaDaftar Perusahaan	101134613620 Tgl.: 06 April 2016
2. Nomor NPWP Perusahaan	02.204.186.7-429.000 Tgl.: 04-01-2006
3. Surat Pengukuhan Pengusaha Kena Pajak	PEM-009/WPJ.09/KP.0303/2006 Tgl.: 19 Januari 2006
4. NomorKeteranganDomisili Perusahaan	28/Kel-Cgd/XII/2005 Tgl.: 29 Desember 2005
5. Nomor Surat Izin Usaha Perdagangan (SIUP)	510/1-DD23/BPPT Tgl.: 1 Juni 2015
6. Nomor Kartu Herregistrasi IG / ITU	503/IG/DS67/BPPT Tgl.: 26 Mei 2015
7. Izin Gangguan	503/IG/DS67/BPPT Tgl. 26 Mei 2015
8. Nomor Akta Pendirian Perusahaan	No. 19 Tgl. 20 Desember 2005 Diperbaharui: No. 37 Tgl. 13 Februari 2013 Diperbaharui: No. 12 Tgl. 07 Februari 2022 Diperbaharui: No. 47 Tgl. 24 Januari 2025

HUMAN RESOURCES

Human Resources are supported by qualified personnel. These resources come from both industry and academic circles.

FACILITY

To support engineering and integration activities as well as product prototyping, we have workshop facilities.

OUR PRODUCTS

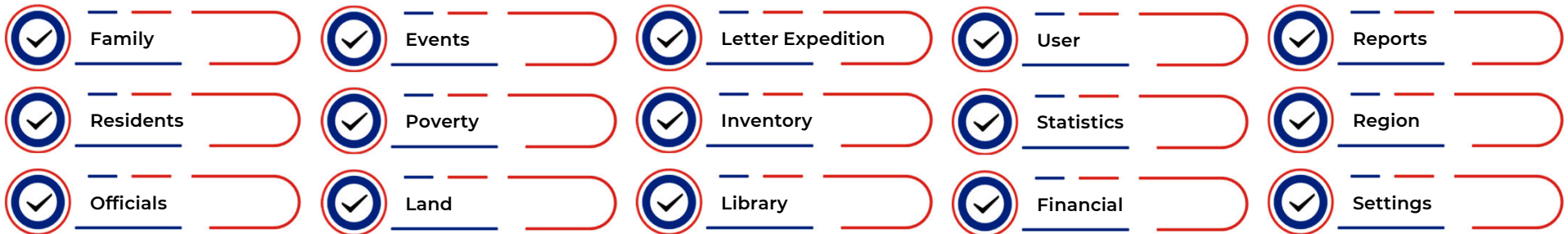
SIMDESA

Village Administration and Financial Management Information System (Software E-Desa)

Purpose of Using SIMDESA

- Transparency of administrative processes
- Ease of service to the public
- Time efficiency in information management

SIMDESA Features

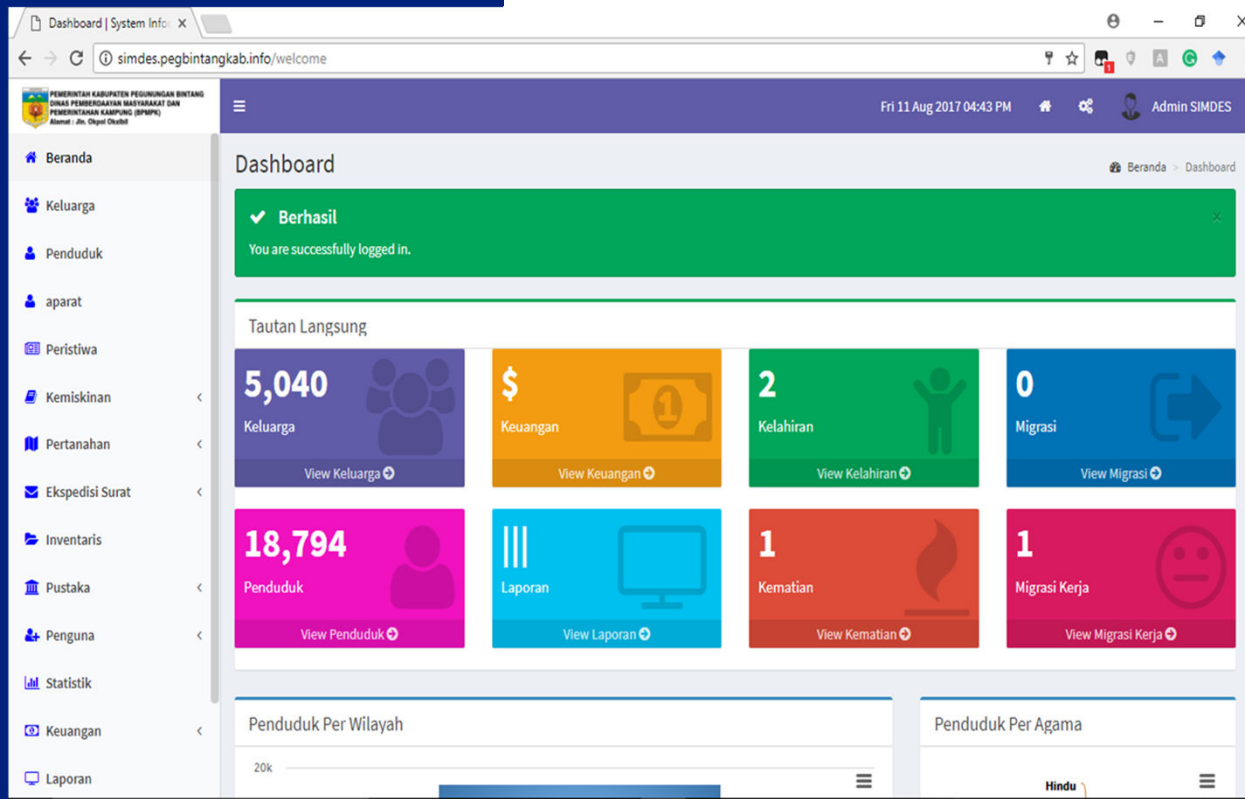


SIMDESA DATABASE BANK

- District / Village Database
- General Administration Database
- Population Administration Database
- Village Finance DatabaseDevelopment
Administration Database
- BPD Administration Database
- Reports
- Statistics

All of them will be integrated into one SIMDESA online.

SIMDESA WEB OVERVIEW



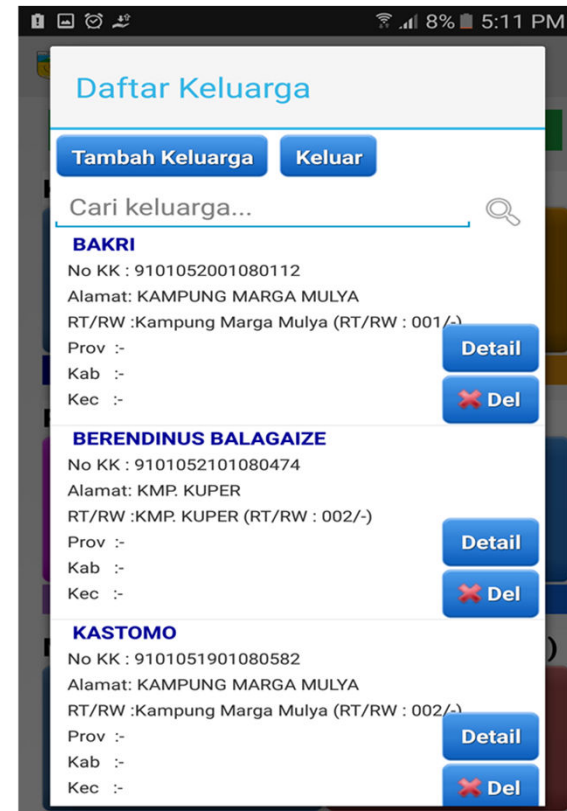
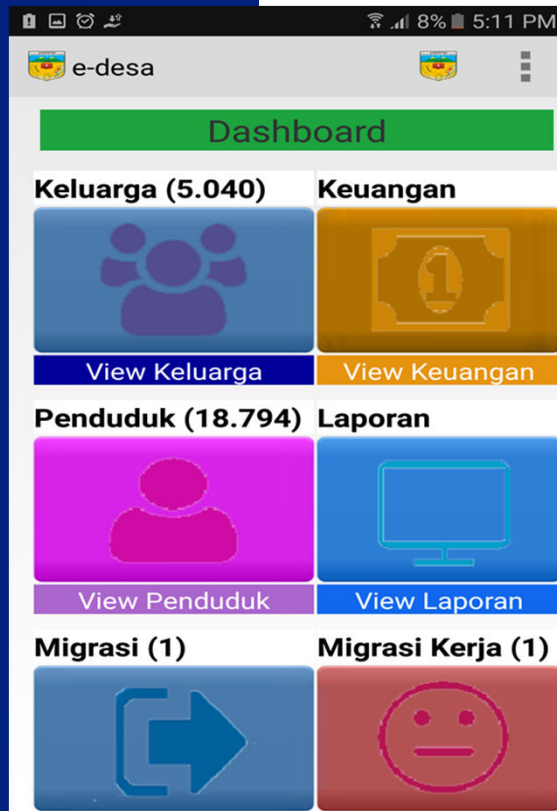
The screenshot displays the SIMDESA Web Dashboard interface. At the top, the browser address bar shows the URL `simdes.pegbintangkab.info/welcome`. The dashboard header includes the logo of the Kabupaten Pegunungan Bintang government, the date and time `Fri 11 Aug 2017 04:43 PM`, and the user name `Admin SIMDES`. A green success message at the top reads `✓ Berhasil` and `You are successfully logged in.`

The main content area is titled `Dashboard` and features a `Tautan Langsung` (Direct Links) section with eight data cards:

Category	Value	Action
Keluarga	5,040	View Keluarga
Keuangan		View Keuangan
Kelahiran	2	View Kelahiran
Migrasi	0	View Migrasi
Penduduk	18,794	View Penduduk
Laporan		View Laporan
Kematian	1	View Kematian
Migrasi Kerja	1	View Migrasi Kerja

Below the data cards, there are two summary sections: `Penduduk Per Wilayah` (with a value of 20k) and `Penduduk Per Agama` (with a value of Hindu).

SIMDESA MOBILE OVERVIEW



ERP SMART SYSTEM

Smart system or intelligent system is a system that uses technology to combine and perform sensing, actuating, and controlling functions. This system is able to analyze situations and make decisions adaptively or predictively.

Smart systems can be applied in various fields, such as schools, homes, and buildings.

Here are some examples of smart systems:

Smart Building Management System

A system that automatically regulates various building components, such as temperature, lighting, and security.

Smart System in School

A system that helps manage and ensure the quality of education.

To achieve "smart" characteristics, smart systems use several technologies, including the Internet of Things (IoT), Artificial Intelligence (AI), big data, cloud computing, and cybersecurity.

ERP SOFTWARE

- ✓ ERP (Enterprise Resource Planning) software is a computer program designed to manage and integrate various business processes in an organization or company.
- ✓ ERP software is a technology that can be a solution to a company's business operations.
- ✓ The use of ERP software is usually aimed at helping companies in the procurement, accounting, project management, marketing, distribution, manufacturing, and many more processes.
- ✓ An ERP software is usually complete and integrated into a computer system or cloud. An ERP system will help you from the production process to distribution.
- ✓ Other aspects such as finance, human resources, and inventory can also be managed in this software.
- ✓ In addition to assisting in business operational processes, ERP software can also provide transparency in production, logistics, and financial processes because it is able to provide accurate data from all company business flows. In addition, all departments can access all the data they need.
- ✓ The use of an ERP system can be adjusted to the type of industry, scale, operational flow and goals of your company.

ERP SMART SYSTEM

This system is an application that combines ERP software with a Smart System.



ERP SMART SYSTEM

CV SONA JAYA TECHNOLOGY

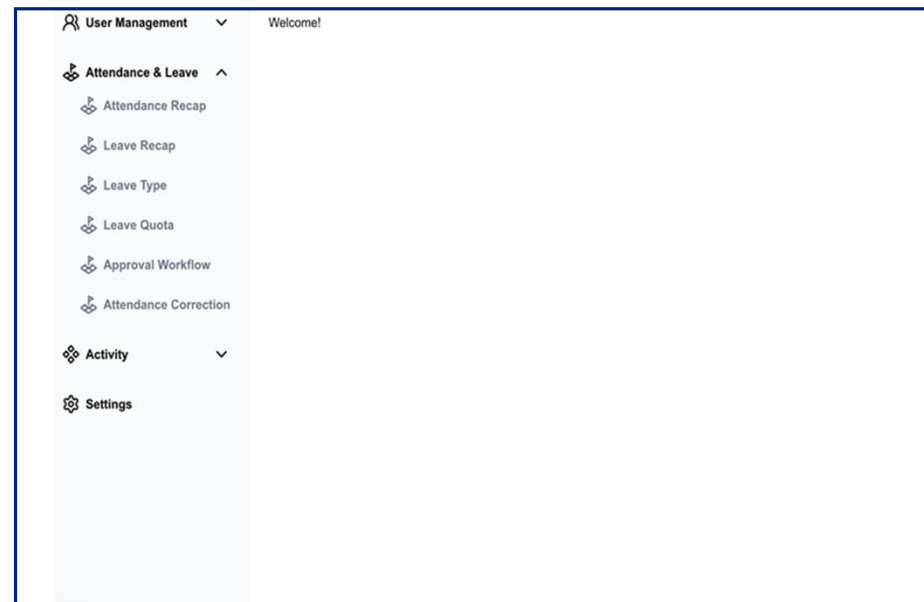
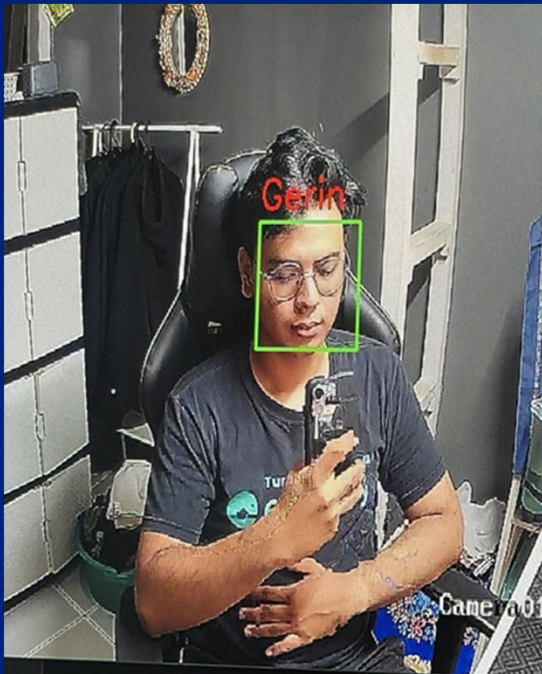
EMPLOYEE ACCESS AND PRESENCE MODULE

(Ready to Implement)

- User access management based on employee type (super admin, permanent, freelance, contract, etc.)
- Attendance based on employee location
- Employee activity reports (daily, weekly, and monthly)
- Daily activity reports
- Employee KPI integration
- Employee leave/permit requests
- Employee attendance via face recognition through CCTV

PAGE 14

EMPLOYEE ACCESS AND PRESENCE MODULE OVERVIEW



OUR SERVICES

1

SOFTWARE / APPLICATIONS

- Design & Implementation of Desktop based apps / software
- Design & Implementation of Web-based apps / software
- Design & Implementation of Mobile Based Software (Mobile Apps): Front End & Back End: Android OS, iOS OS
- UI/UX Design & Implementation
- Tutoring software design and implementation

2

INTELLIGENT / AUTOMATION SYSTEM

- Electronic module prototypes: Schematic design, PCB design, PCB printing, Component Assembly, Casing, Lab Test.
- Design tutoring: schematics, PCB layout, component assembly, embedded software and system integration.
- Design and Implementation of IoT Based Device Systems (Smart Systems).
- Design and Implementation of PLC Based Device System

3

SUPPLIERS OF OTHER GOODS AND SERVICES

- Tools/equipment/spare parts: mechanical and electrical
- Tools/equipment/spare parts: measuring, surveying, laboratory and special scales
- Educational engineering tools, demonstration, visualization, sports and arts
- Computer tools/equipment/spare parts
- Maintenance, repair of electrical and electronic equipment

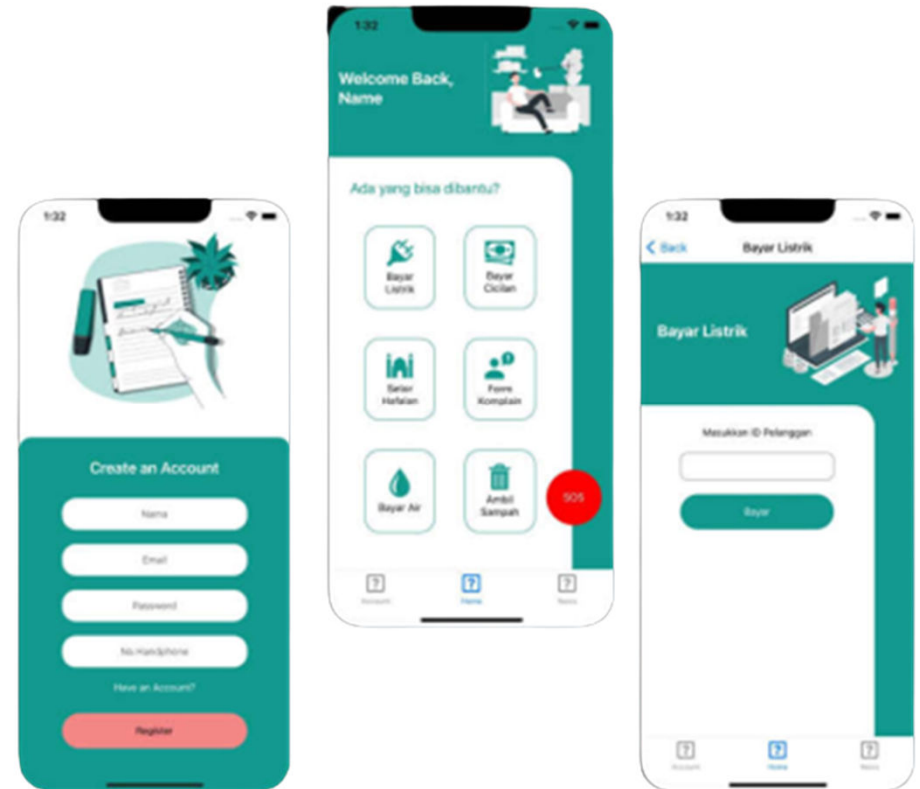
OUR PROJECTS

SOFTWARE / APPLICATIONS

GAS MANAGEMENT SYSTEM

A web platform used to monitor gas meter usage, connected to IoT devices embedded in the gas meters. It also manages devices connected to a single web platform and generates monthly bills based on gas usage.

SOFTWARE / APPLICATIONS





GAS MANAGEMENT SYSTEM

SOFTWARE / APPLICATIONS

Gas Management System

System Administrator

Dashboard

Devices

Billings

Admin Dashboard

Users

Settings

Customers

Master Data

Profile

Device Locations

10 of 10 devices shown

Leaflet | © OpenStreetMap contributors

Devices + Add New

Search...

10 per page

DEVICE ID	DEVICE NAME	MODEL	GAS TYPE	LOCATION	CUSTOMER	TOTALIZER VOLUME	LAST UPDATE
TEST-123	ABAC1234	HHH	LPG	a	Feil-McClure	0.00	05/12/2025, 10.15
DEV-2001	Production Line 1	MeterTech Elite	LPG	Production Floor	XYZ Energy Solutions	2100.75	31/08/2025, 21.53
DEV-1842	cumque assumenda	GasFlow Plus	LPG	Main Building	Crooks-Stokes	3166.73	13/08/2025, 01.41

System Administrator
admin



WAREHOUSE MANAGEMENT SYSTEM

Website and Mobile Application Scanner Platform as a tool for monitoring inventory movements for production at the factory

SOFTWARE / APPLICATIONS

Admin Panel < Admin Panel System Administrator

Stock Materials Management

All Stock Materials
Manage stock materials for all customers

TV Display Save for TV (2) Upload Excel Add Stock Materials

Search by part number, part name, or customer...

2 item(s) selected for TV display Clear Selection View TV Display

CUSTOMER	PART NUMBER	PART NAME	MODELS	QUANTITY	LEVEL STOCK ACTUAL	STATUS	TYPE	STOCK PARAMETER	LEVEL STOCK TARGET	ACTIONS
> NHK PT, NHK	2 part(s)	-	-	-	-	-	-	-	-	👁

System Administrator



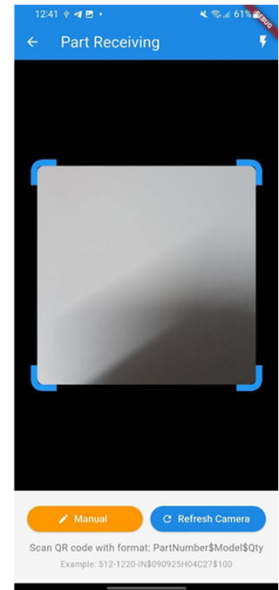
WAREHOUSE MANAGEMENT SYSTEM

CV SONA JAYA TECHNOLOGY

SOFTWARE / APPLICATIONS

Schedule Deliveries **Stock Materials** Stock Finish Goods WMS-168 01/02/2026, 23:28:58

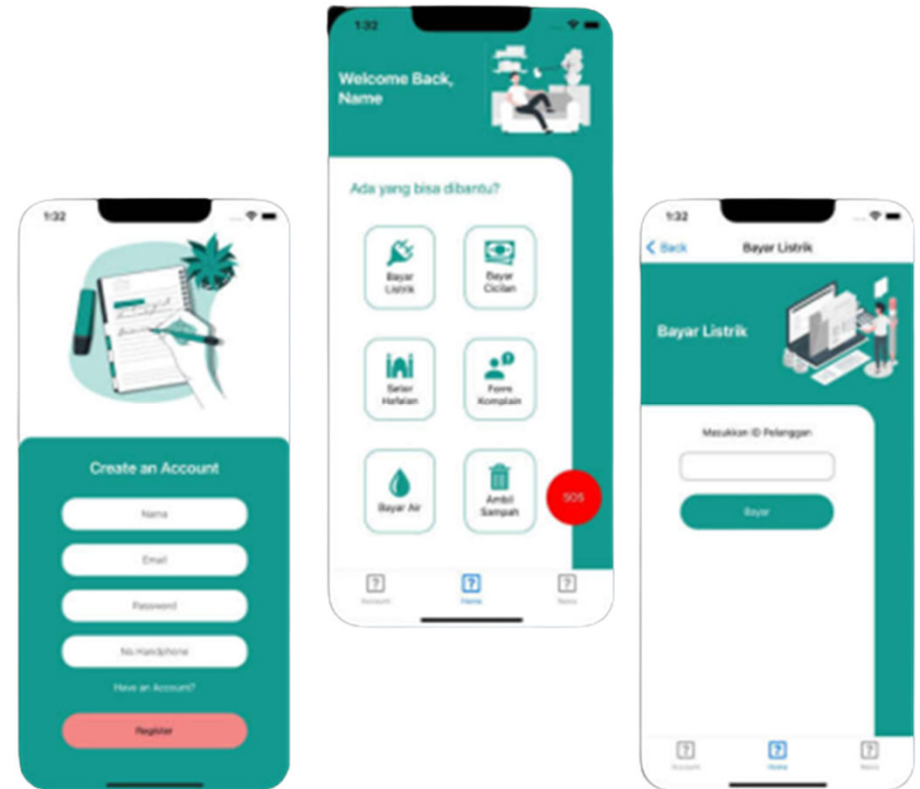
Customer	Models	Part Number	Part Name	Qty	Level Stock (Day)		Status	Type
					Level Stock Target	Level Stock Actual		
NHK	X123	123012311231	Ball	1,000	100.00	100.00	OK	Overseas
	HJK	JJJJKL	Seng	10,000	1.50	1000.00	OK	Overseas



ESTATE MANAGEMENT APPLICATION

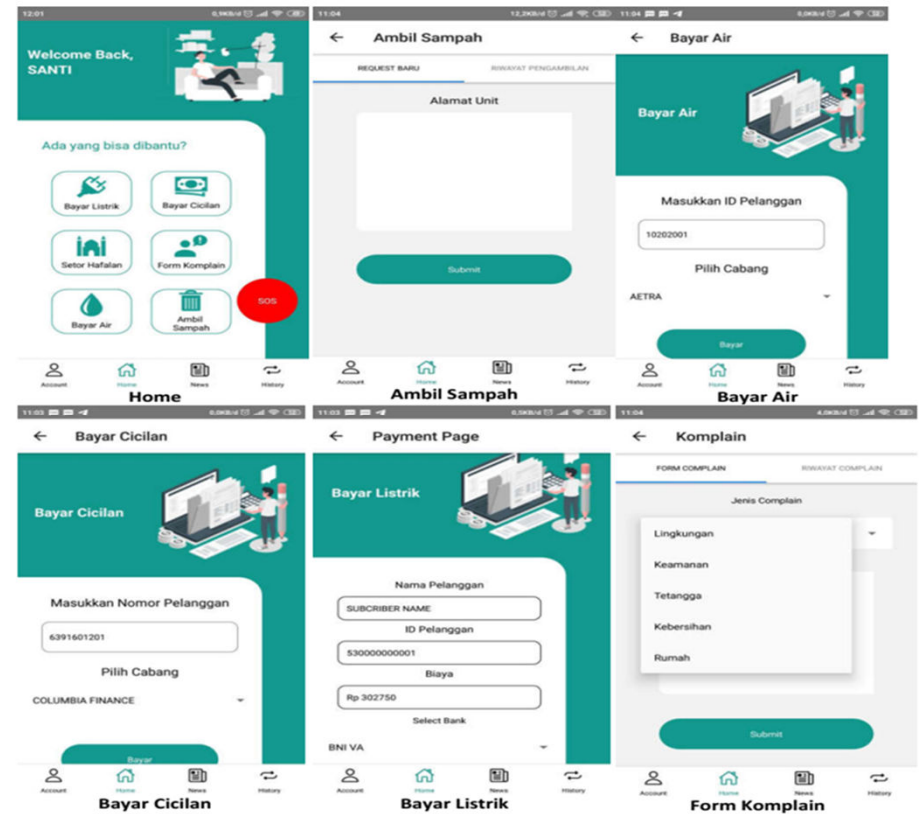
Application for residents in housing complexes, which can be used to make online payments such as electricity, water, installments and can send complaints to management or requests for garbage collection

SOFTWARE / APPLICATIONS



ESTATE MANAGEMENT APPLICATION

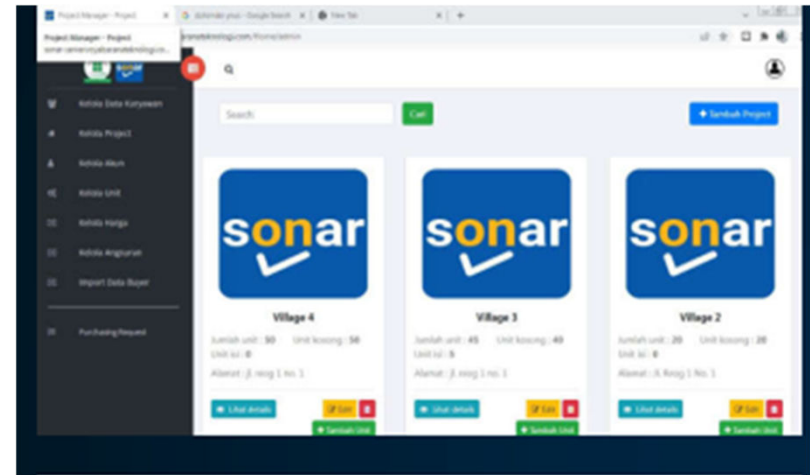
SOFTWARE / APPLICATIONS



SIM & SHARIA PROPERTY FINANCE APPLICATION - SONAR

SONAR is a website application of Management & Financial Information System developed to meet the needs of Sharia property companies. SONAR can assist in customer data collection, making purchase requests & purchase orders, project & unit management, financial records, bookkeeping etc.

SOFTWARE / APPLICATIONS



SIM & SHARIA PROPERTY FINANCE APPLICATION - SONAR

SOFTWARE /
APPLICATIONS

FEATURE

SERVICE - SIDE

▶ Super Admin

Managing Applications

▶ Finance Admin

Manage financial administration

▶ Marketing Admin

Managing Marketing Administration

▶ Purchasing Admin

Manage Purchase Requests &
Purchase Orders

▶ Admin Project Manager

Manage Projects & Units

▶ Admin Board of Director

As the Decision Maker on Every
Submission

SIM & SHARIA PROPERTY FINANCE APPLICATION - SONAR

SOFTWARE /
APPLICATIONS

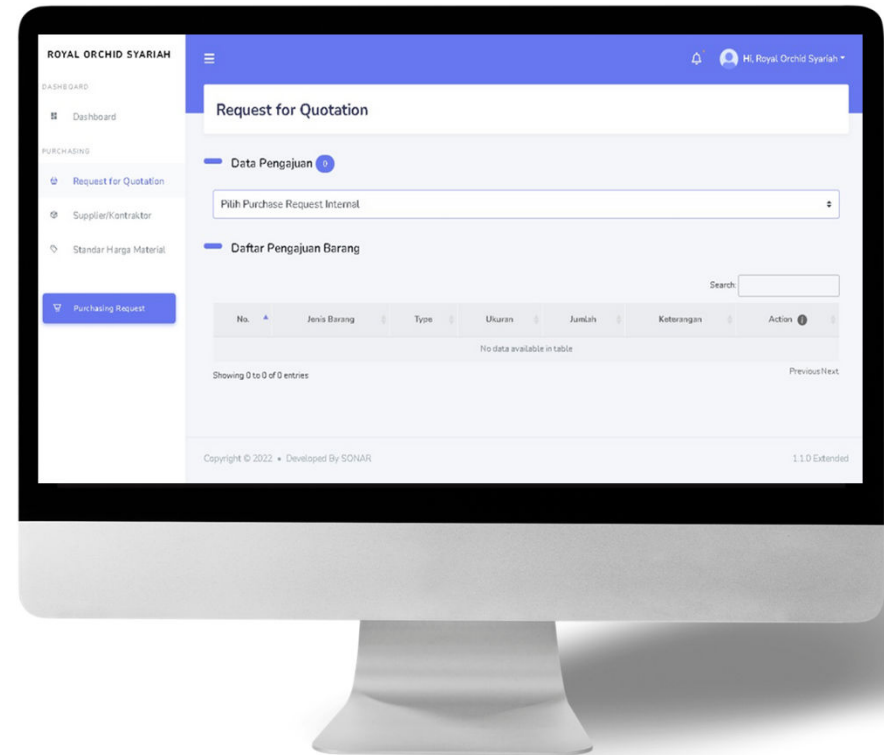
FEATURE

CLIENT - SIDE



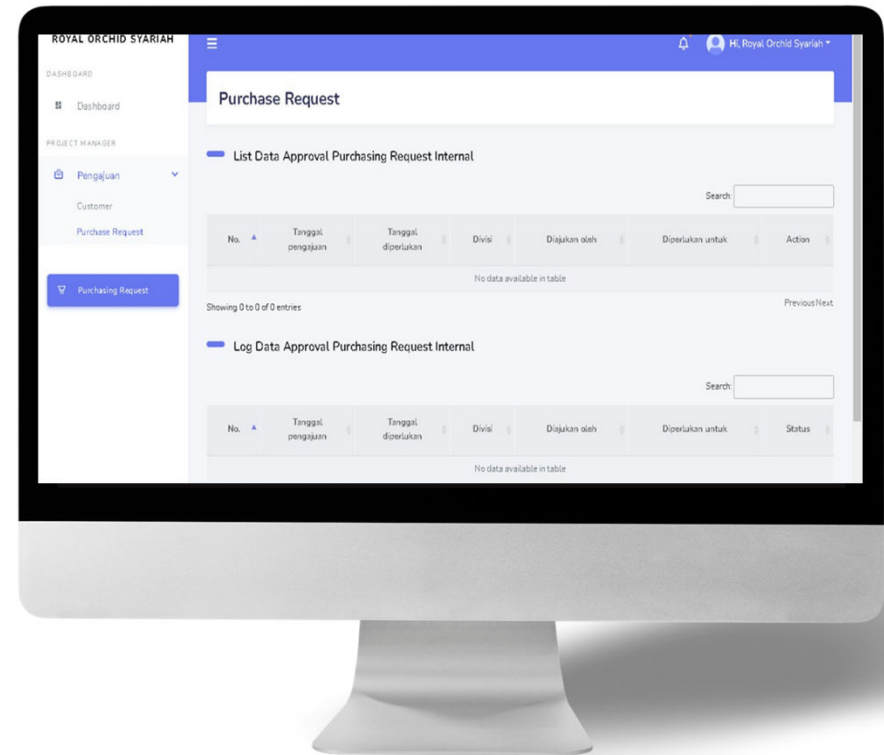
Can make unit reservations

SIM & SHARIA PROPERTY FINANCE APPLICATION - SONAR



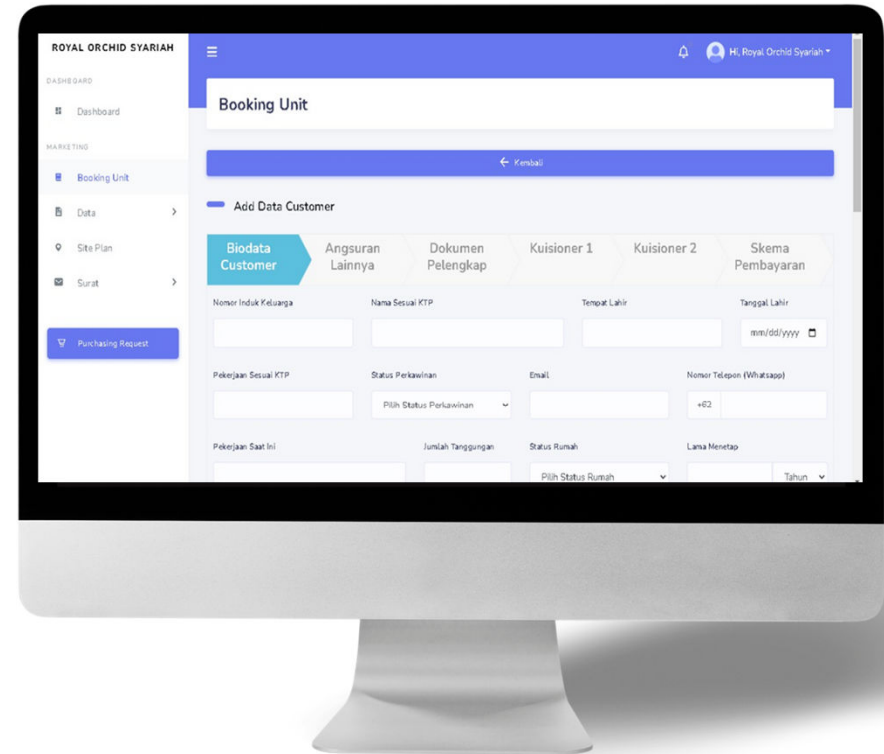
APPS VIEW - PURCHASING ADMIN

SIM & SHARIA PROPERTY FINANCE APPLICATION - SONAR



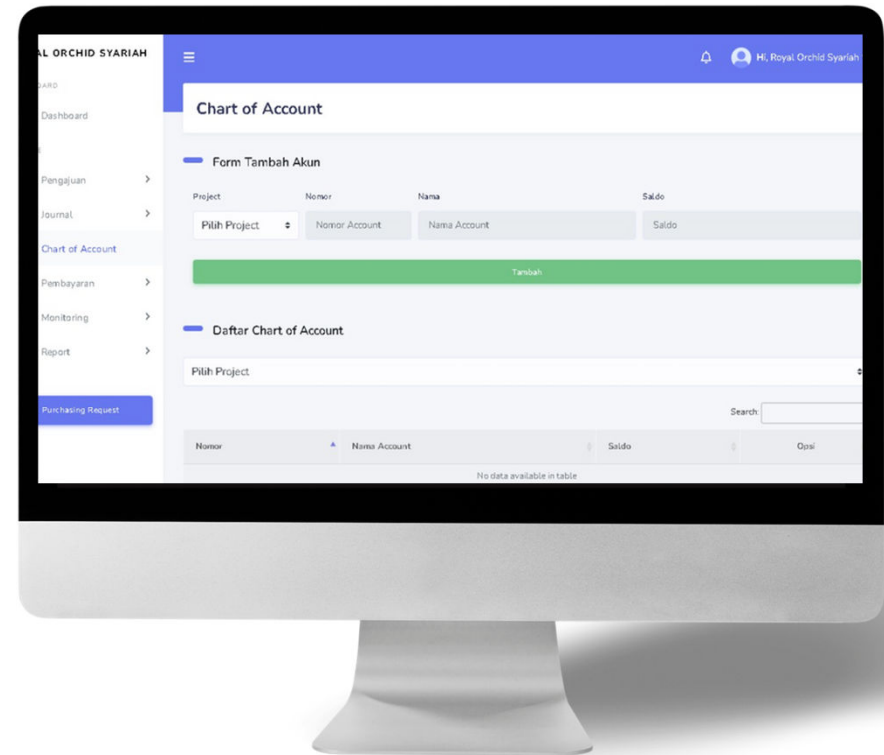
APPS VIEW- ADMIN PM

SIM & SHARIA PROPERTY FINANCE APPLICATION - SONAR



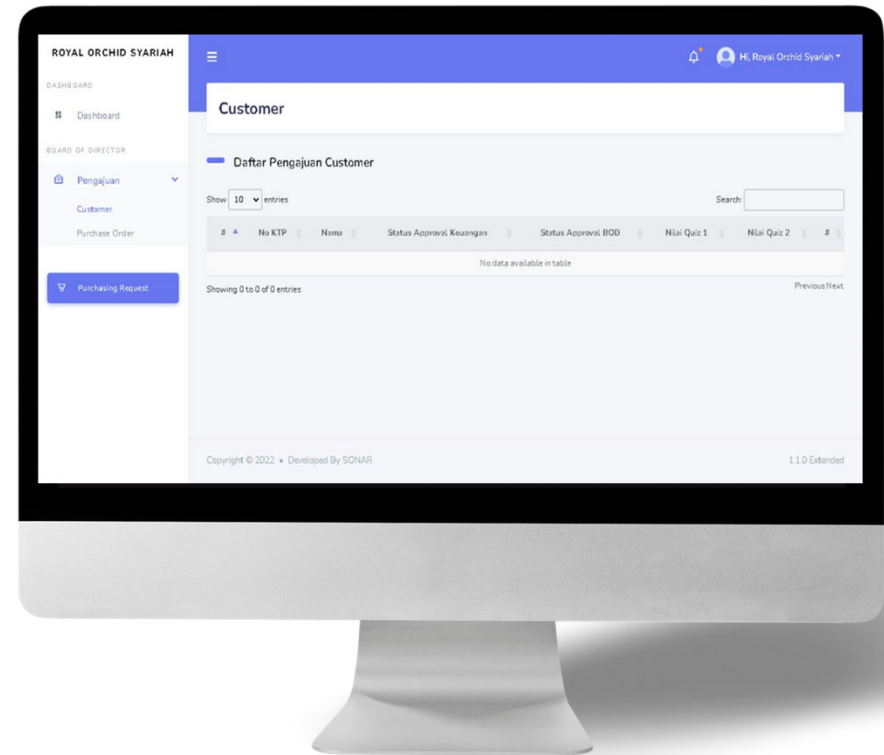
APPS VIEW- MARKETING ADMIN

SIM & SHARIA PROPERTY FINANCE APPLICATION - SONAR



APPS VIEW- FINANCE ADMIN

SIM & SHARIA PROPERTY FINANCE APPLICATION - SONAR



APPS VIEW- BOD ADMIN

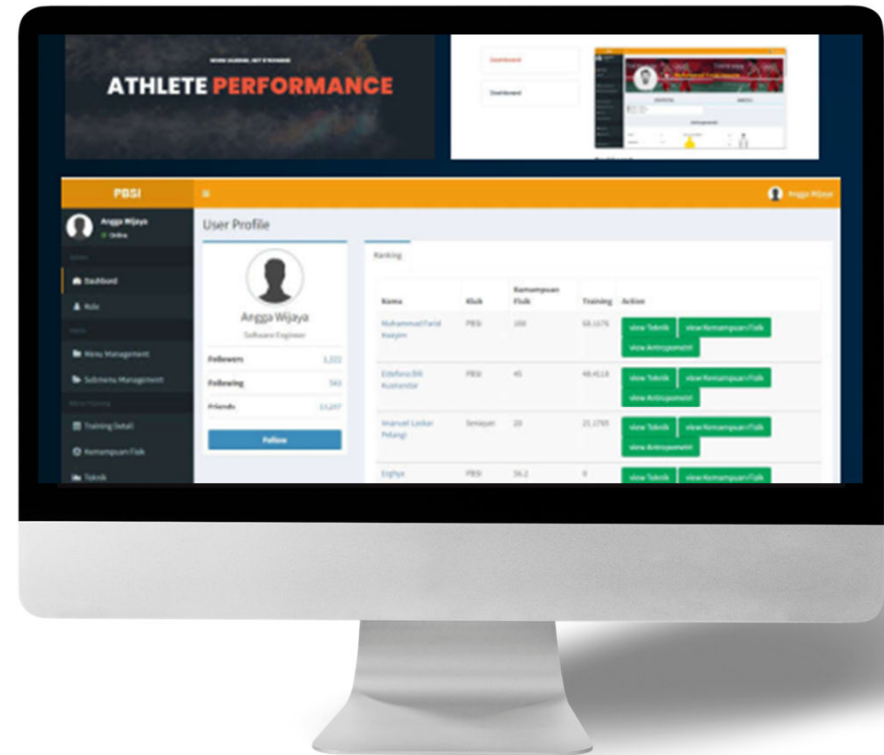
ATHLETE PERFORMANCE APPLICATION

My Performance is a website about athlete data management. This program is developed using the Laravel Framework.

We provide convenience for you to store data and athlete data security, has 3 main features, namely:

- Anthometry
- Physical Ability
- Technical Ability

SOFTWARE / APPLICATIONS

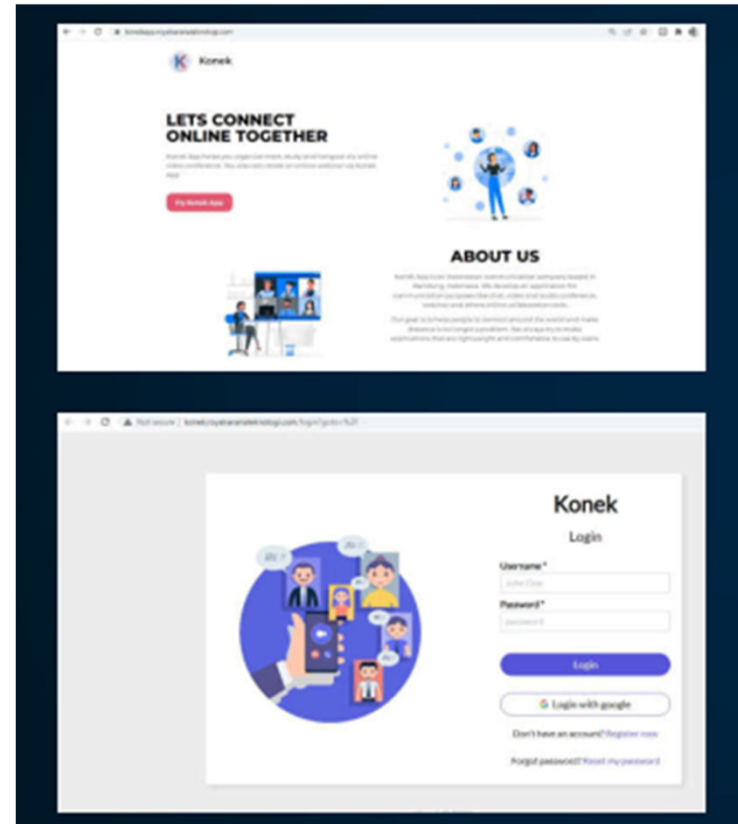


MY PERFORMANCE

VIDEO CONFERENCE APPLICATION

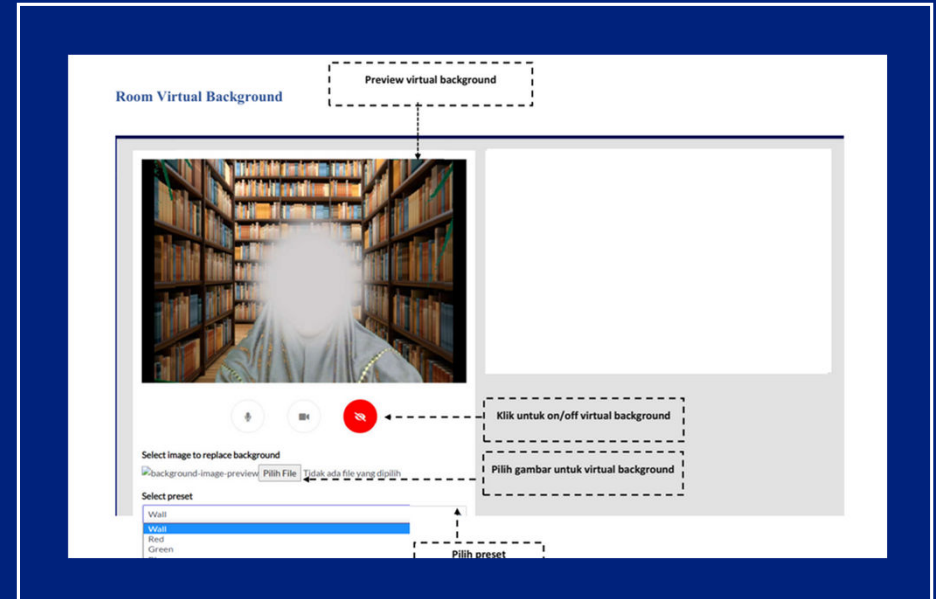
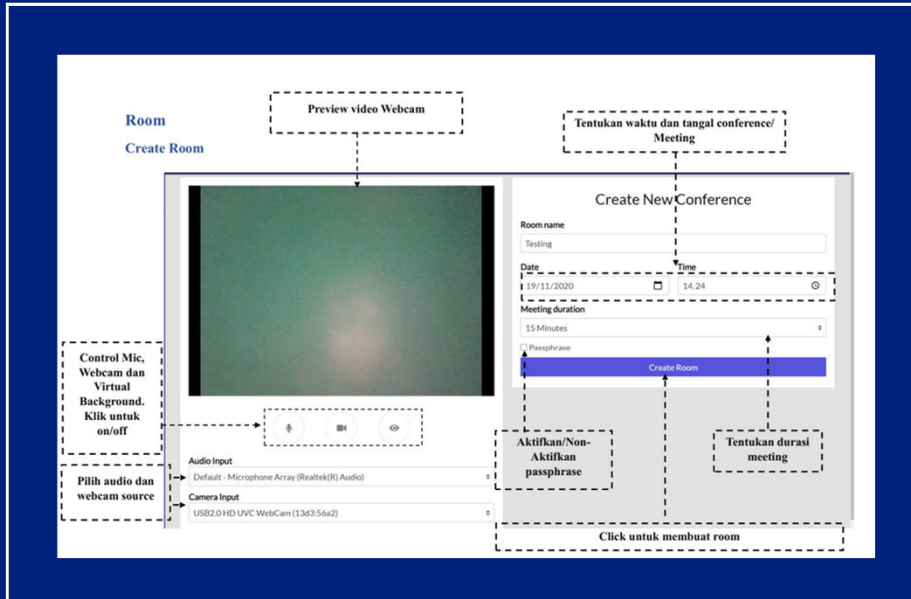
Konek App is an application product for communication purposes such as chat, video and audio conference, webinar and other online collaboration tools.

SOFTWARE / APPLICATIONS

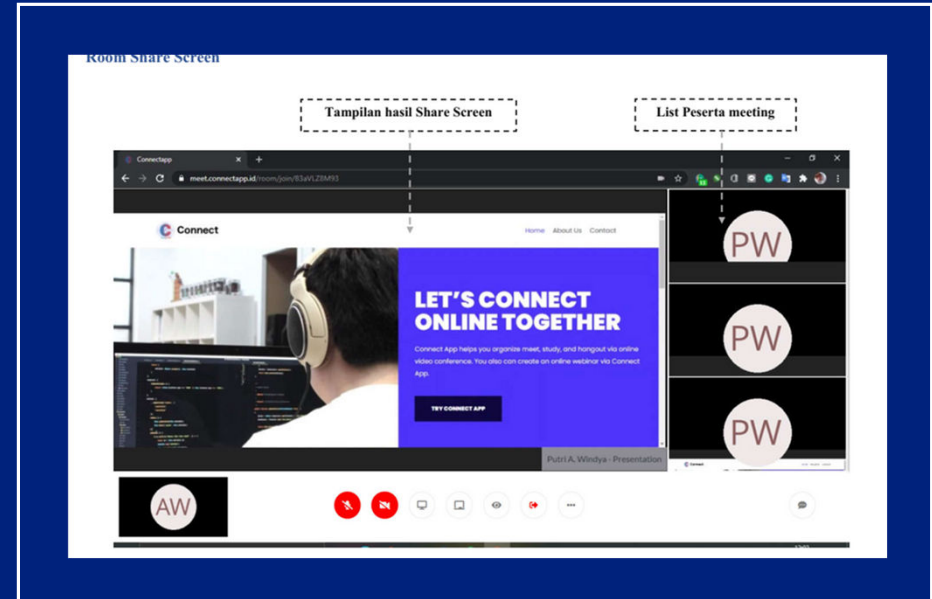
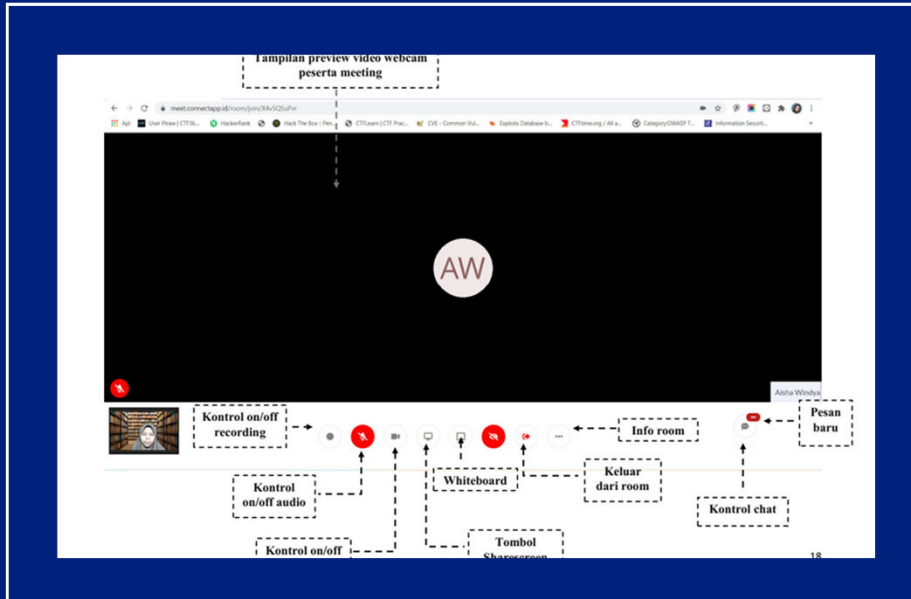


MY PERFORMANCE

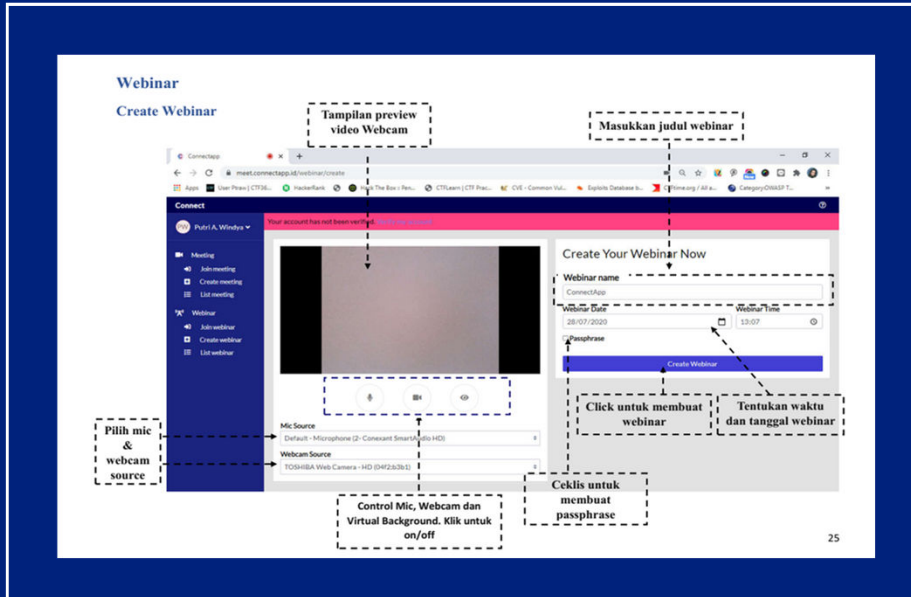
VIDEO CONFERENCE APPLICATION



VIDEO CONFERENCE APPLICATION



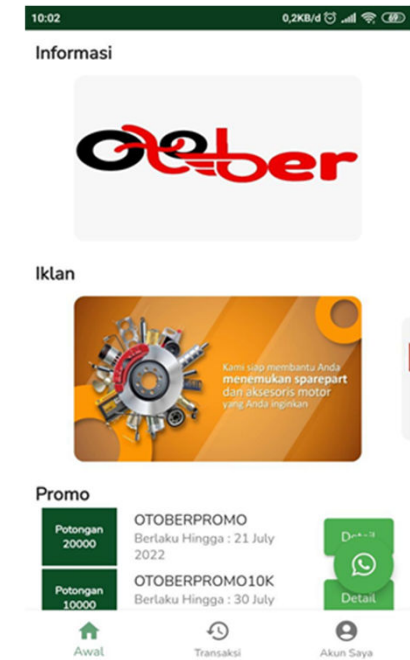
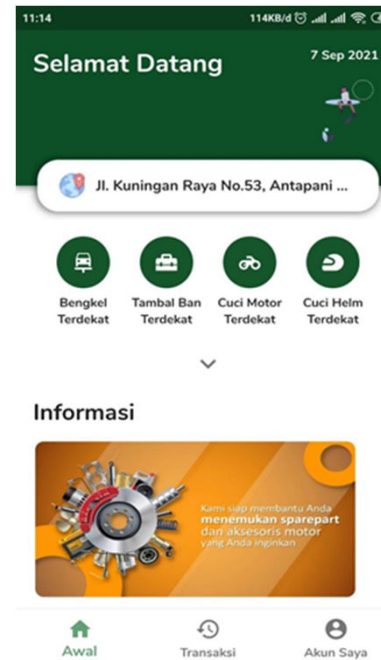
VIDEO CONFERENCE APPLICATION



MOTORCYCLE WORKSHOP PLATFORM APPLICATION

This Otober app is a digital platform that is determined to be a loyal friend for all motorcyclists in traveling, maintaining and repairing motorbikes and other needs related to motorbikes.

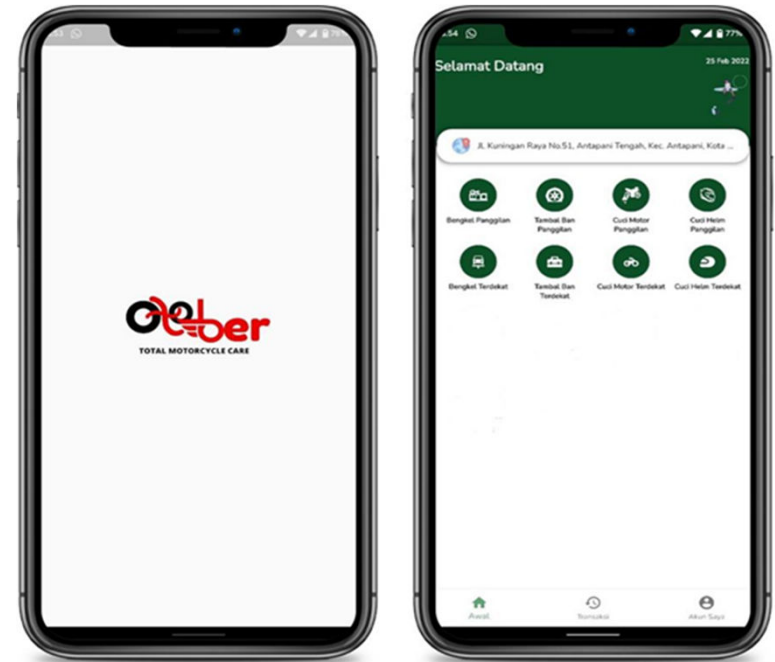
SOFTWARE / APPLICATIONS



OTOBER APPS

MOTORCYCLE WORKSHOP PLATFORM APPLICATION

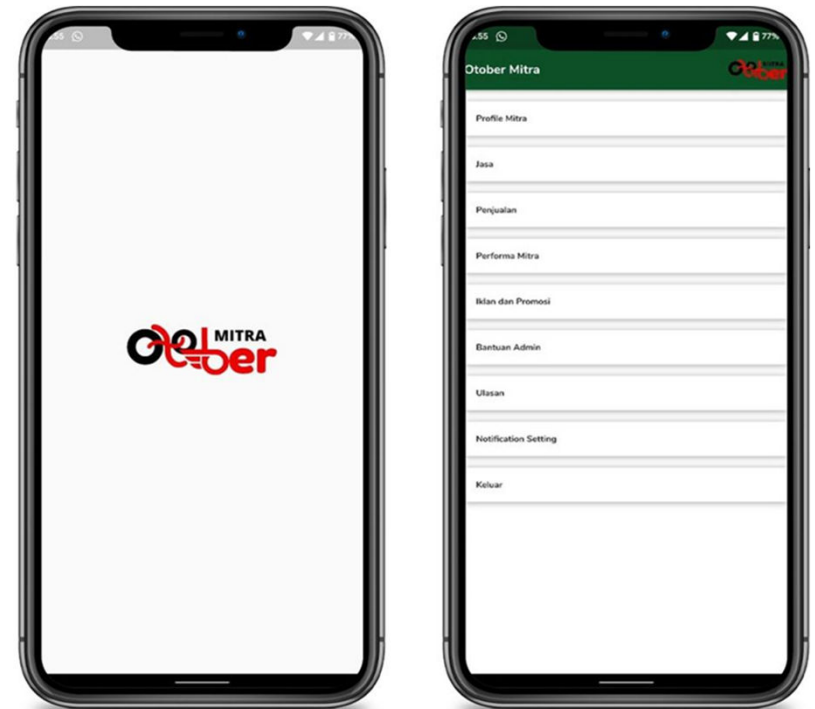
SOFTWARE / APPLICATIONS



OTOBER APPS - USER

MOTORCYCLE WORKSHOP PLATFORM APPLICATION

SOFTWARE / APPLICATIONS



OTOBER APPS - PARTNER



DIGITAL HSE APP

AUTOMATE

Automate all HSE documentation processes in your company quickly

SUBMIT DOCUMENTS

Submit all documents without any worry of missing documents

COMPLETE HSE MODULE

Include 17 modules : Working, Permits, APAR, Incidents, JSA, Laporan UPTD, Safety Patrol, Safety talk, Hiradc, Legal HSE, Laporan Dinkes, CSR, Safety Riding, Safety Driving, Evakuasi Drill, APD Control.

CV SONA JAYA TECHNOLOGY

SOFTWARE / APPLICATIONS

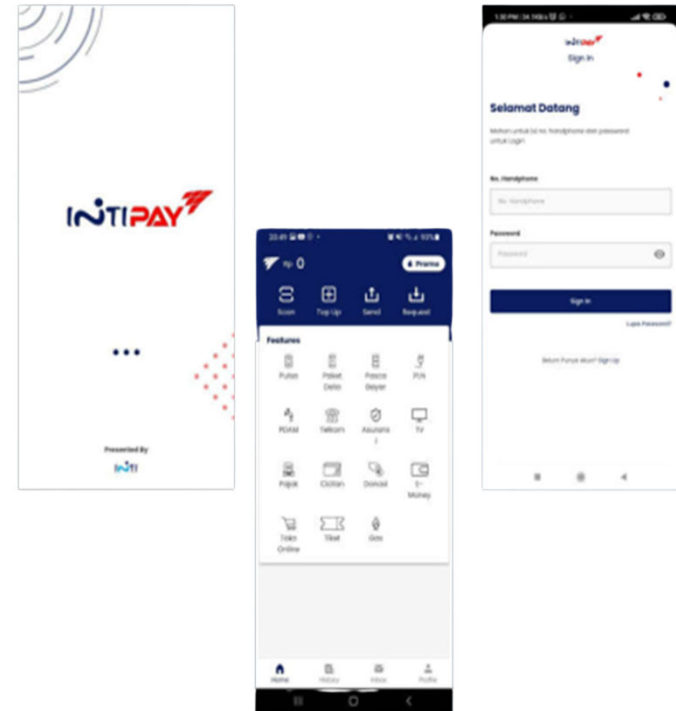


DIGITALIZE YOUR HSE PROCESS

PPOB APPLICATION

IntiPay is a Payment Point Online Banking application to make several payments such as Electricity, Water, Credit, etc. This app is made for PT. Intens.

SOFTWARE / APPLICATIONS



INTIPAY (PPOB)

DIGITAL LIBRARY

Digital Library is a web-based online library that is used to access various kinds of books online.

SOFTWARE / APPLICATIONS



DIGITAL LIBRARY



WORKSHOP FINANCE APPLICATION

Desktop-based application used for digital workshop outlet management

CV SONA JAYA TECHNOLOGY

SOFTWARE / APPLICATIONS



DIGITAL FINANCE WORKSHOP

PAGE 42

OUR PROJECTS

INTELLIGENT / AUTOMATION SYSTEM



SMART SURVILIANCE SYSTEM

SUPPORTS VARIOUS CCTV BRANDS

Supports all brands of IP CCTV cameras on a single platform. Integrates standard CCTV cameras into smart cameras on a single platform

PLUG AND PLAY AI

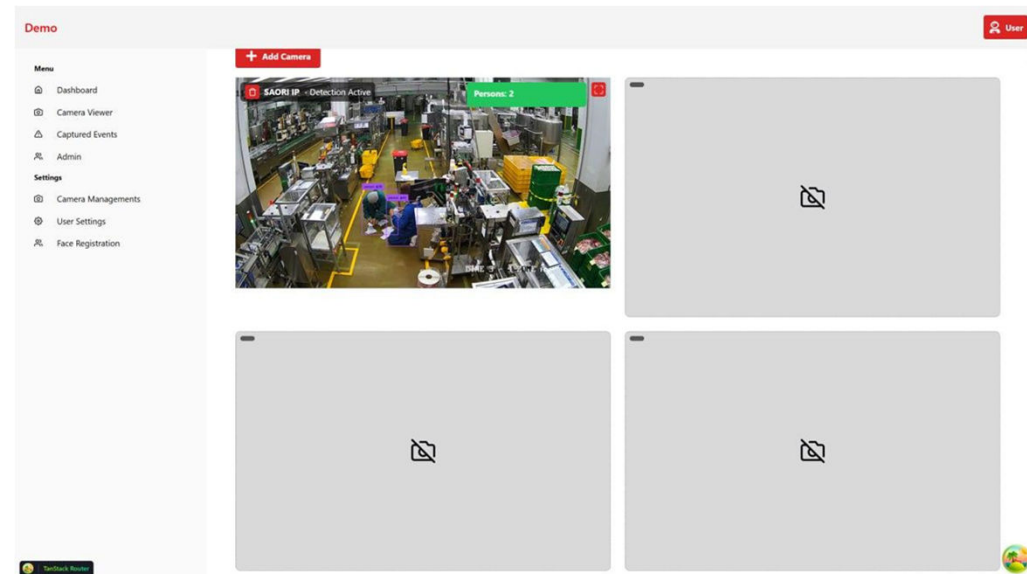
Select the AI to be used on a camera based on the location and monitoring needs

VARIOUS TYPES OF AI

- Including :
- Object Detection
 - Color Detection
 - Face Recognition
 - Line Crossing
 - Smart Event Detection
 - Object Counting
 - Smart Alerting

CV SONA JAYA TECHNOLOGY

SMART SYSTEM / AUTOMATION SYSTEM





SMART SURVILIANCE SYSTEM

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CV SONA JAYA TECHNOLOGY

SMART SYSTEM / AUTOMATION SYSTEM



PAGE 43a

SMART SURVILIANCE SYSTEM

SUPPORTS VARIOUS CCTV BRANDS

Supports all brands of IP CCTV cameras on a single platform. Integrates standard CCTV cameras into smart cameras on a single platform

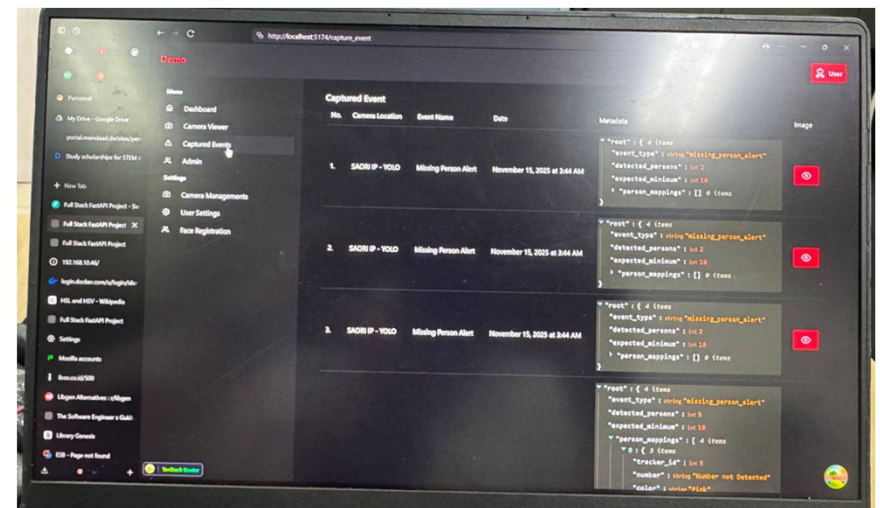
PLUG AND PLAY AI

Select the AI to be used on a camera based on the location and monitoring needs

VARIOUS TYPES OF AI

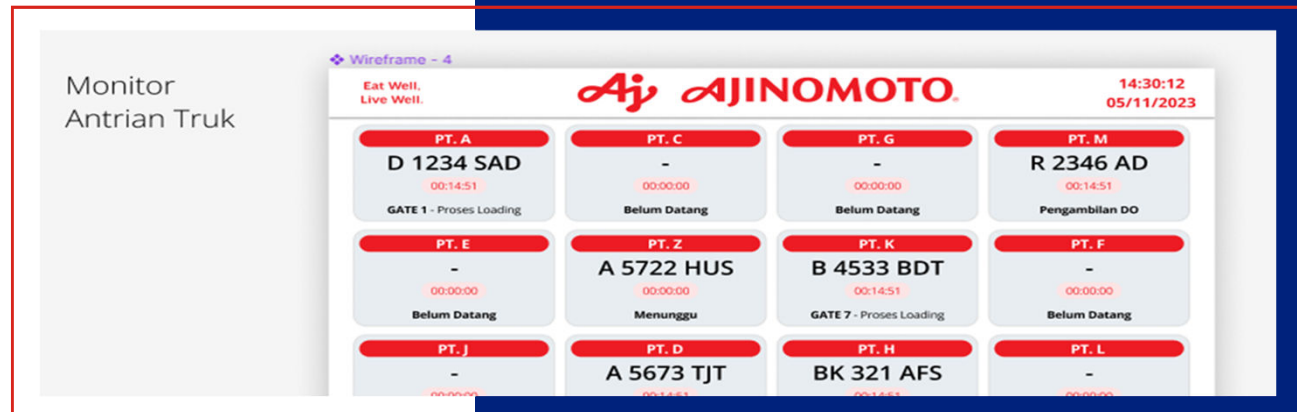
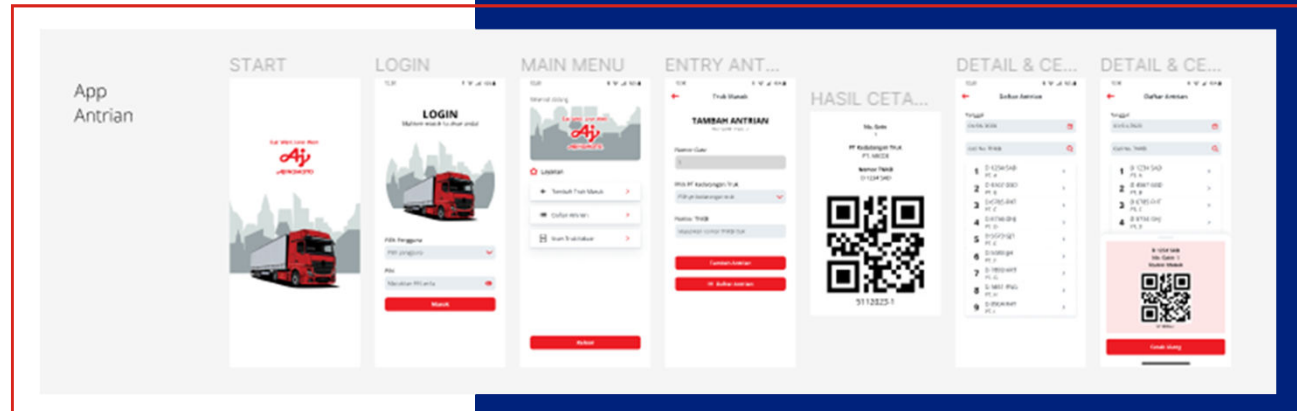
- Including :
- Object Detection
 - Object Counting
 - Color Detection
 - Smart Alerting
 - Face Recognition
 - Line Crossing

SMART SYSTEM / AUTOMATION SYSTEM



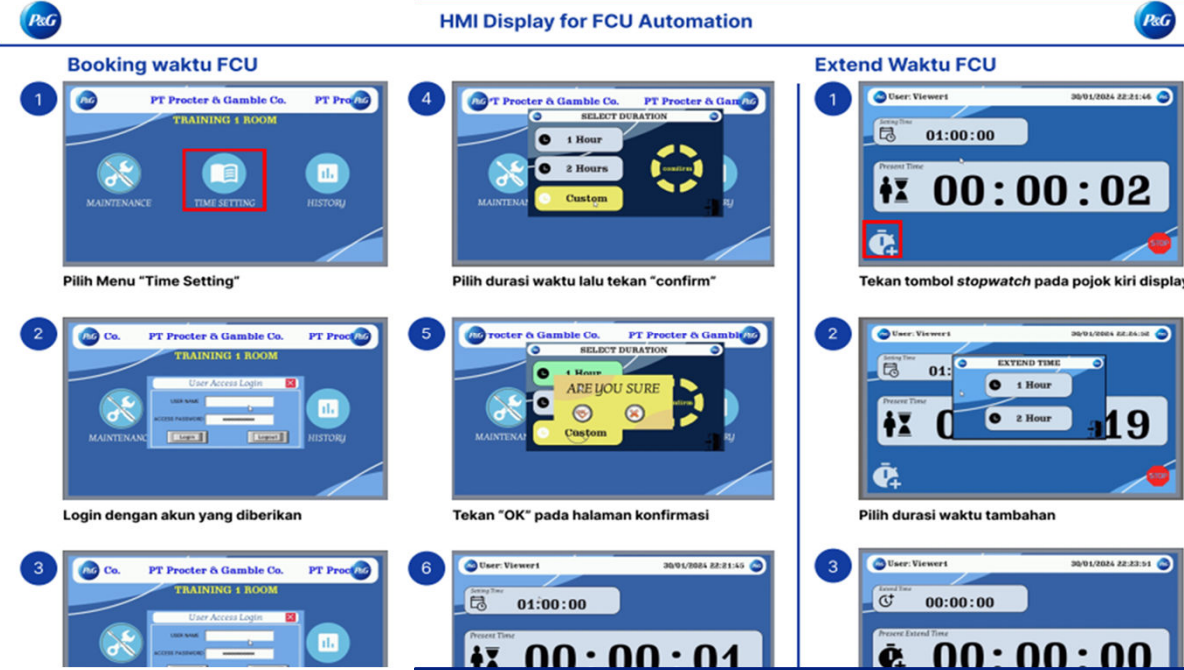
INTELLIGENT / AUTOMATION SYSTEM

LOGISTIC QUEUE SYSTEM



AC MONITORING SYSTEM

HMI Display for FCU Automation



Booking waktu FCU

- 1** Pilih Menu "Time Setting"
- 2** Login dengan akun yang diberikan
- 3** (Screenshot of the login screen)
- 4** Pilih durasi waktu lalu tekan "confirm"
- 5** Tekan "OK" pada halaman konfirmasi
- 6** (Screenshot of the stopwatch showing 01:00:00)

Extend Waktu FCU

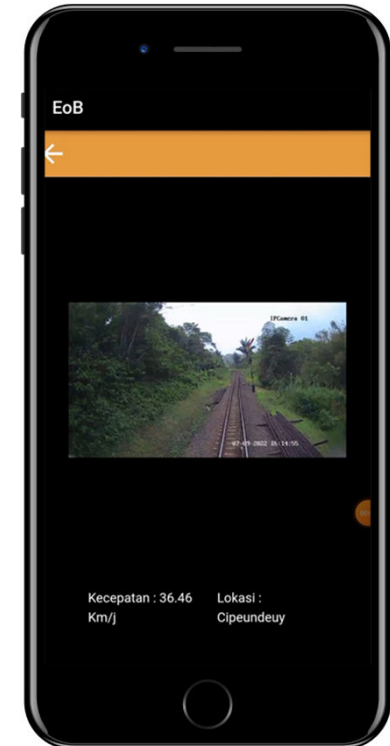
- 1** Tekan tombol stopwatch pada pojok kiri display
- 2** Pilih durasi waktu tambahan
- 3** (Screenshot of the stopwatch showing 00:00:00)

CCTV COMMAND CENTRE



EOB (ENTERTAINMENT ON BOARD) APPLICATION ON TRAINS

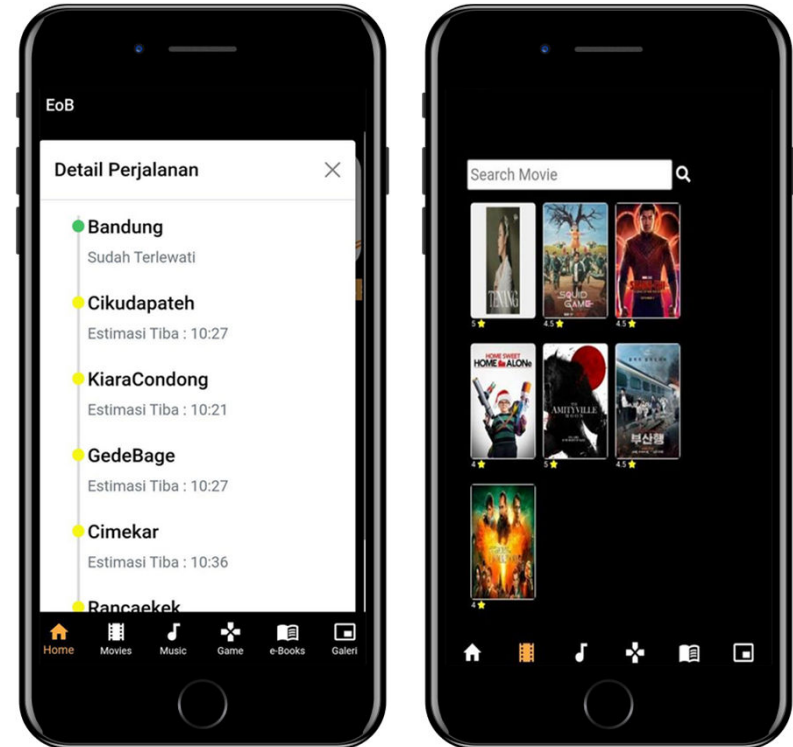
INTELLIGENT / AUTOMATION SYSTEM



EOB KAI

EOB (ENTERTAINMENT ON BOARD) APPLICATION ON TRAINS

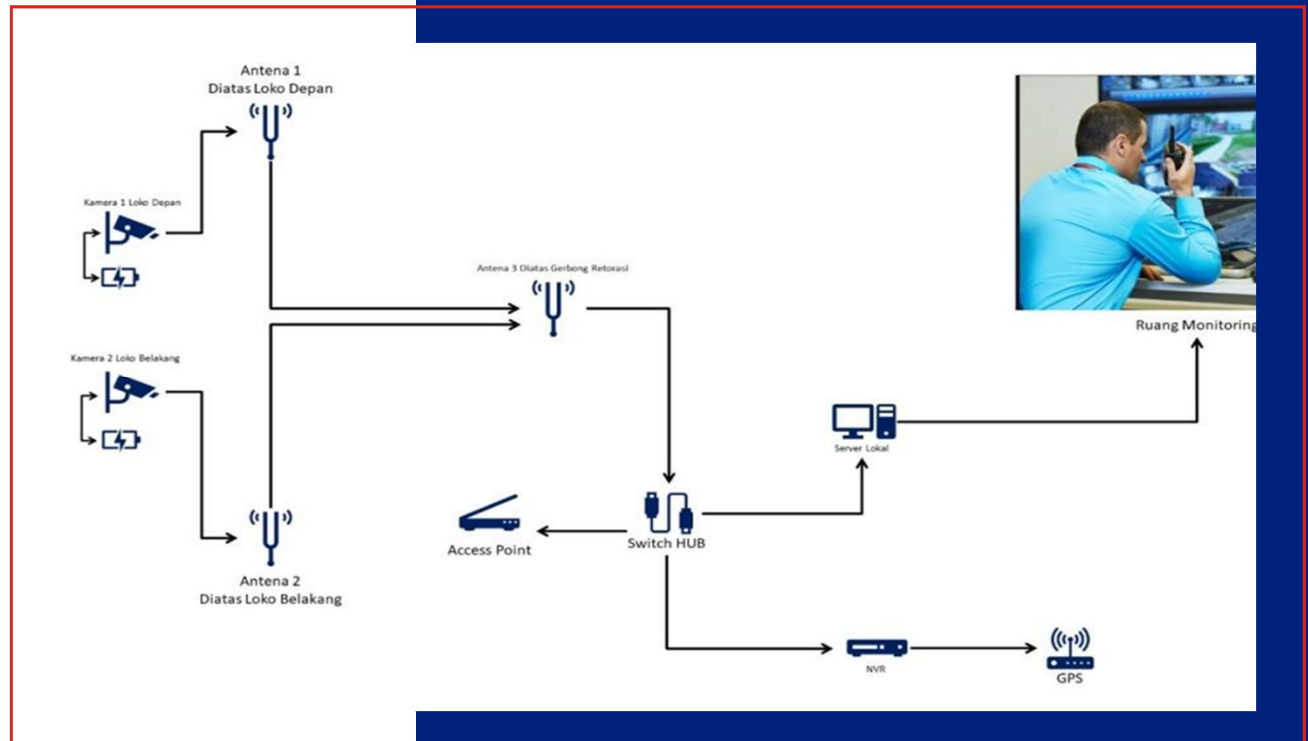
INTELLIGENT / AUTOMATION SYSTEM



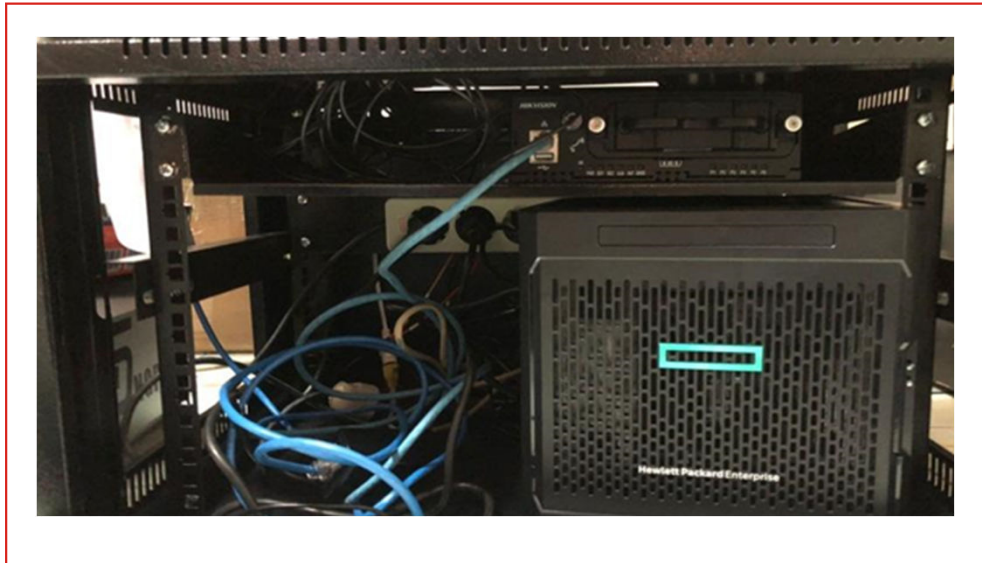
EOB KAI

EOB (ENTERTAINMENT ON BOARD) APPLICATION ON TRAINS

INTELLIGENT / AUTOMATION SYSTEM



EOB (ENTERTAINMENT ON BOARD) APPLICATION ON TRAINS

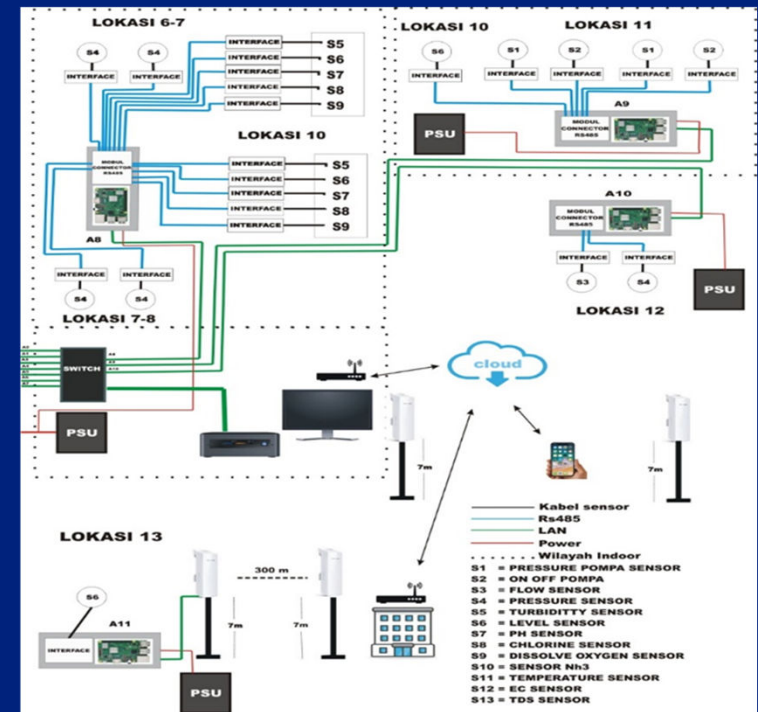
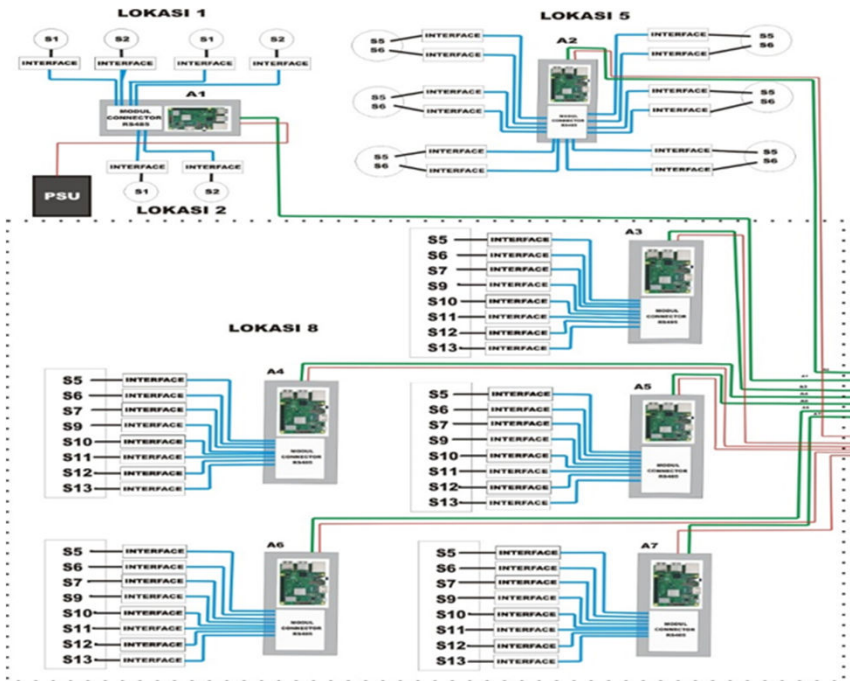


INTELLIGENT / AUTOMATION SYSTEM

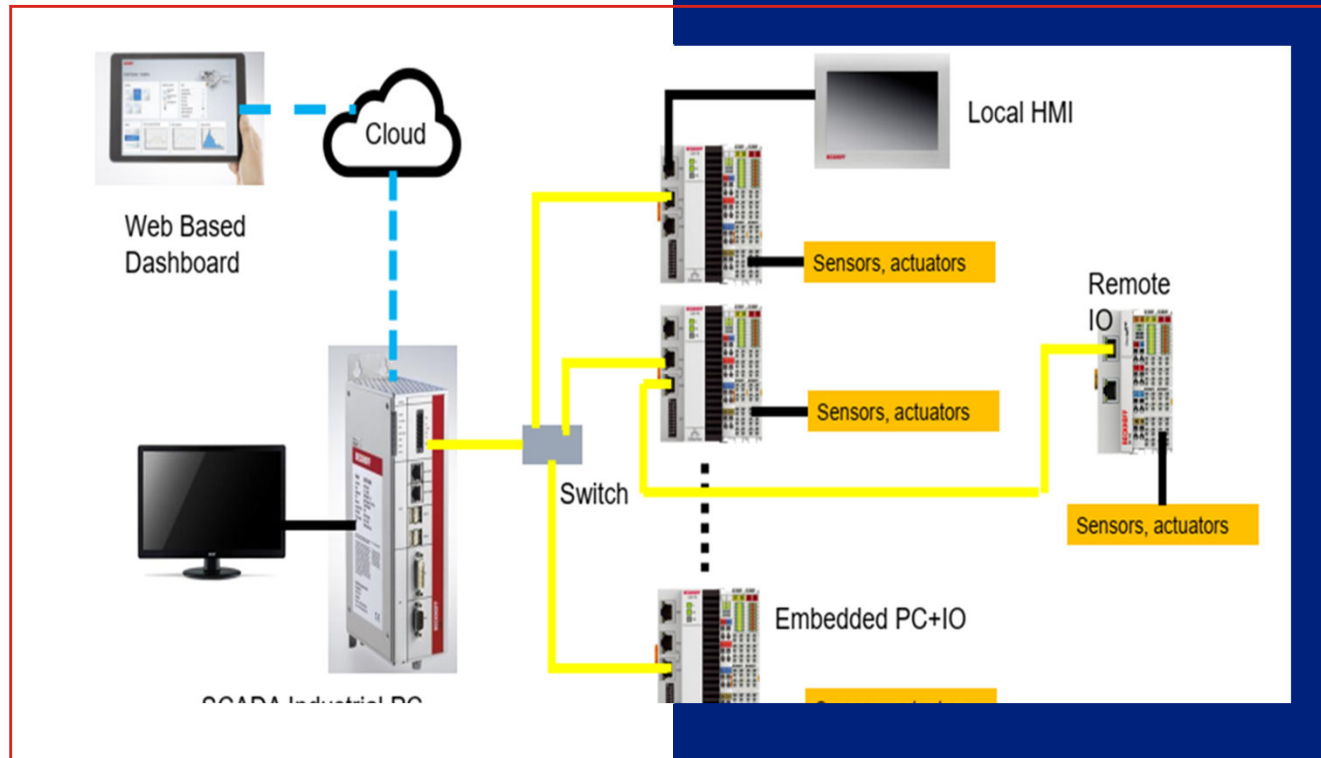


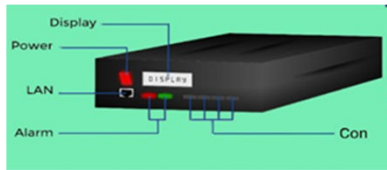
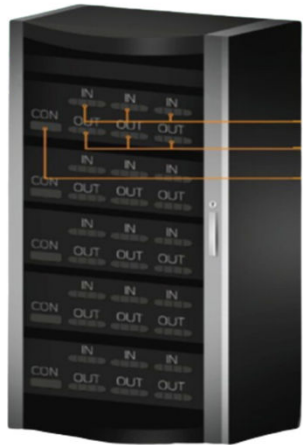
SMART WTP DESIGN PROJECT

INTELLIGENT / AUTOMATION SYSTEM



SMART WTP DESIGN PROJECT





PABX MONITORING

FEATURE

- The central natural signal will be activated when the alarm code on the telephone in the hotel room or in a room in the building is pressed
- The System Ringing notification of danger signs will be activated on all connected telephones. If the telephone is answered, a warning sound will be heard and the ringing will stop
- The system capacity can be adjusted to existing conditions
- Can be used for all types of PABX
- No additional license required
- For analog extensions
- Modular system
- Setting system parameters via Console or Application

SOFEEN 1.0 SISTEM EMERGENCY PABX ANALOG

Used to secure offices and hotels from fire, earthquakes and natural hazards, this is controlled via telephone lines with PABX facilities.

SMART ELECTRONIC SPORT SYSTEM

FEATURE

- Detects runner speed and time in real time
- Displays runner performance details starting from FO2MAX, time, score and graphs
- Detects heartbeat and step parameters for each runner in one prototype sensor device
- Data for each running event can be converted into excel and pdf formats
- Dashboard display can be accessed on Tab or smartphone
- Portable so easy to carry anywhere
- Web Dashboard



TIMING RUN

SMART ELECTRONIC SPORT SYSTEM TIMING RUN

INTELLIGENT / AUTOMATION SYSTEM



WIRELESS SENSOR NETWORK (WSN) BASED MONITORING SYSTEM AT PLTH LOCATION

1. HOW THE SYSTEM WORKS IN GENERAL

The monitoring system is a system that is able to receive data from sensors connected to the monitoring system to be sent to the Control Center so that the data can be observed or monitored by officers. The locations of the sensors are far from each other.

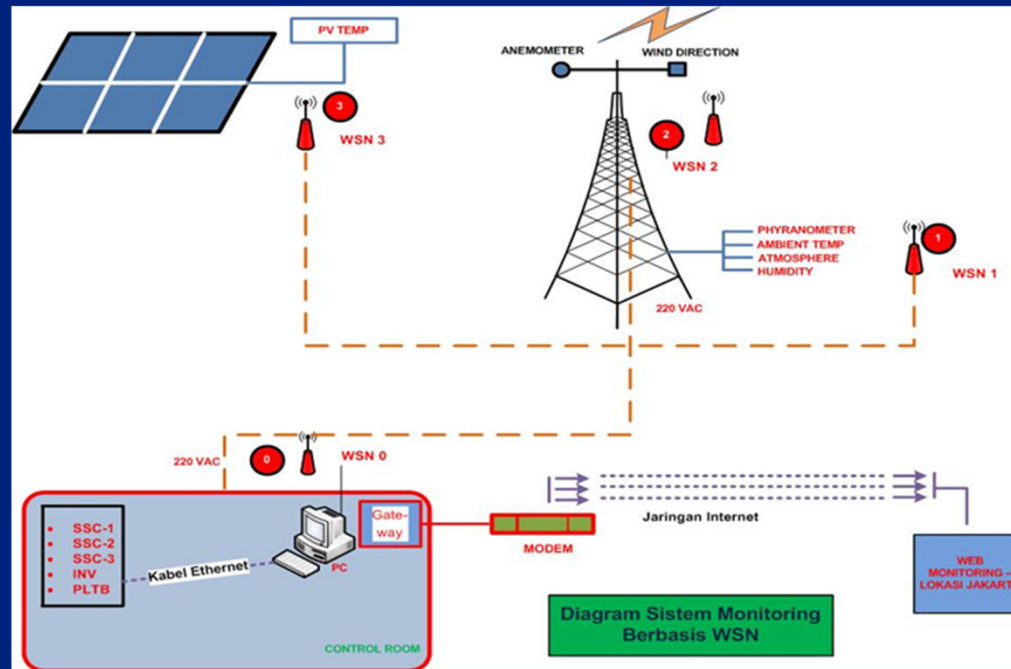
The data can be sent via media: cable, radio, and so on. In this system, data from sensor locations at PLTH locations that are far from each other are first collected to the Control Room (at the PLTH location) via Wireless Sensor Network (WSN) technology. After the data is collected, it is then sent to the Control Center in Jakarta via Internet communication (WEB technology). One of the reasons for using WSN is because it is not possible to use a cable network. Where the environmental conditions are very extreme (on the coast) and far apart.

The device or module that is tasked with sending data from the sensor to the Control Room is called the WSN Data Logger Device or Module.

Advantages of WSN compared to similar technologies:

- Using 2.4 GHz carrier frequency.
- Low power
- Easy to install
- WSN (not IP Based) uses IEEE 802.15.4 Protocol.
- Low Cost

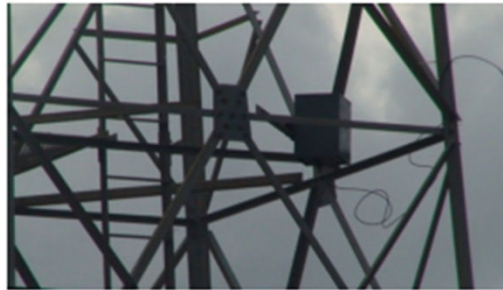
2. THE LINE DIAGRAM OF THE WSN MONITORING SYSTEM IS SHOWN IN THE FOLLOWING FIGURE:



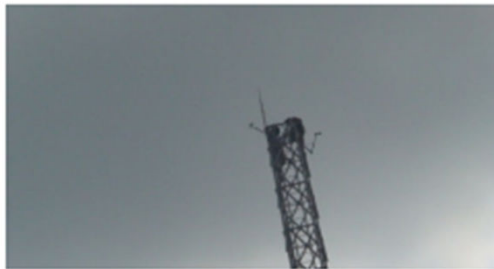
3. PHOTOS OF WSN DATA LOGGER LOCATIONS:



Gedung Control Room dan lokasi Modul Gateway & Modul Data Logger WSN ID 0



Lokasi Data Logger WSN ID 1

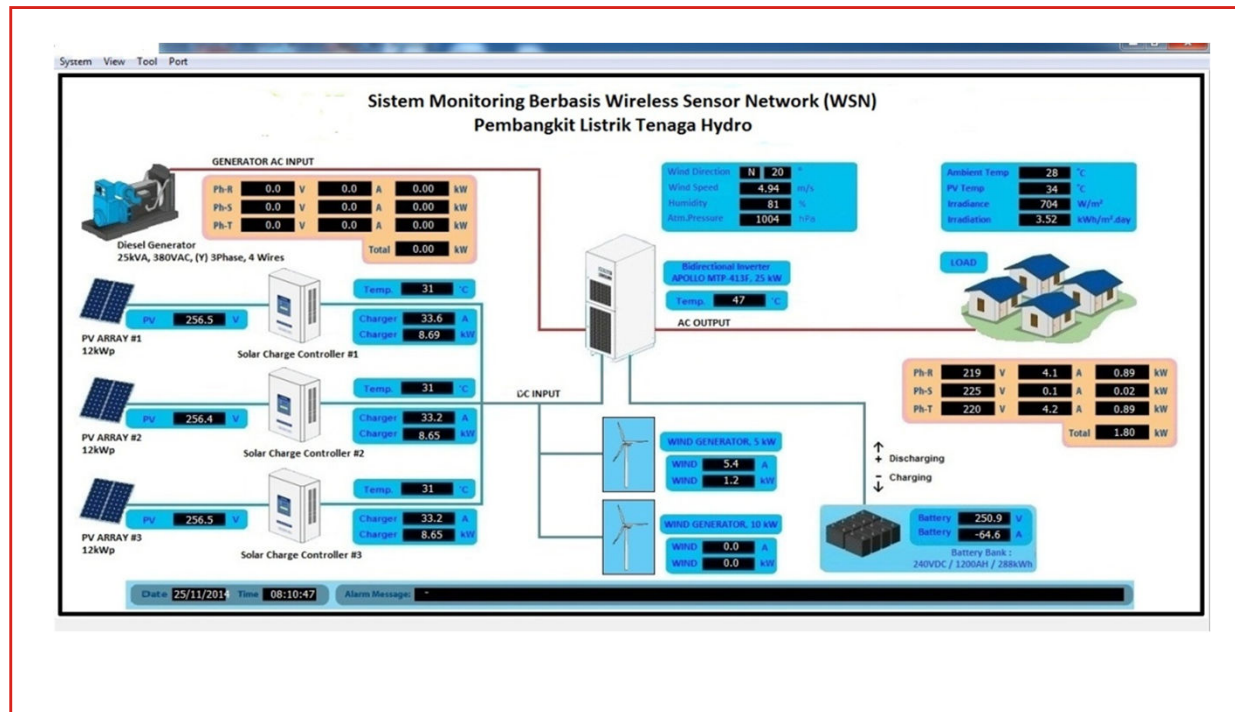


Lokasi Data Logger WSN ID 2



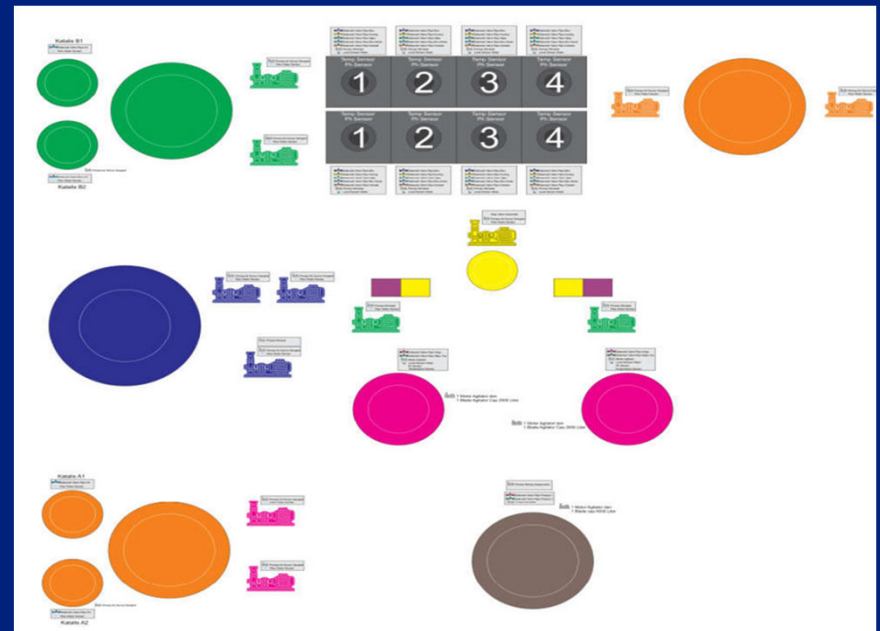
Lokasi Data Logger WSN ID 3

4. EXAMPLE OF THE MONITORING APPLICATION PROGRAM DISPLAY INSTALLED ON A PC COMPUTER IN THE CONTROL ROOM AT THE JAKARTA LOCATION:



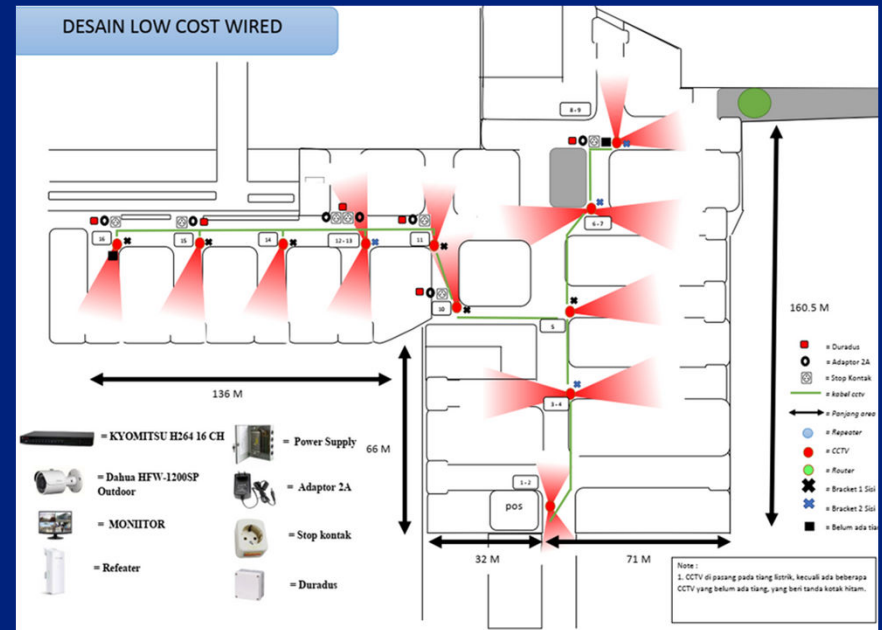
PLC BASED WASTE PROCESSING MACHINE AUTOMATION SYSTEM DESIGN

INTELLIGENT / AUTOMATION SYSTEM

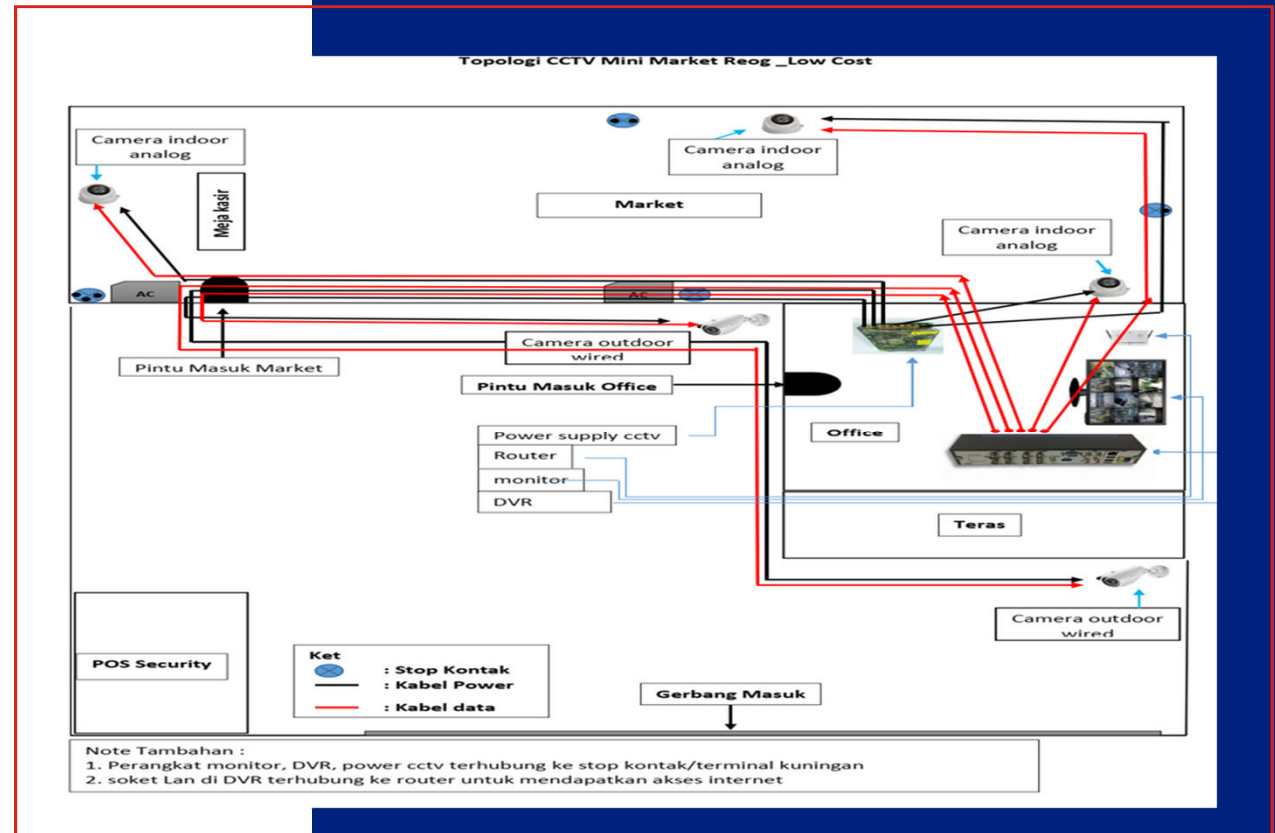


CCTV HOUSING AREA

INTELLIGENT / AUTOMATION SYSTEM

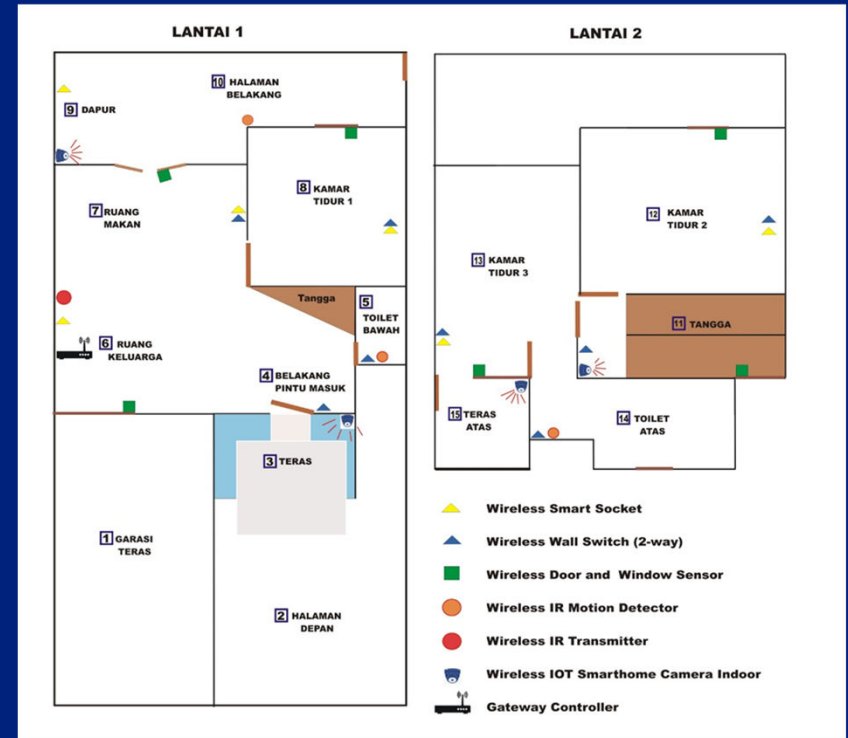


CCTV MINI MARKET



SMART HOME EXAMPLE HOUSE IN BANDUNG

INTELLIGENT / AUTOMATION SYSTEM



INTELLIGENT / AUTOMATION SYSTEM

DATA LOGGER



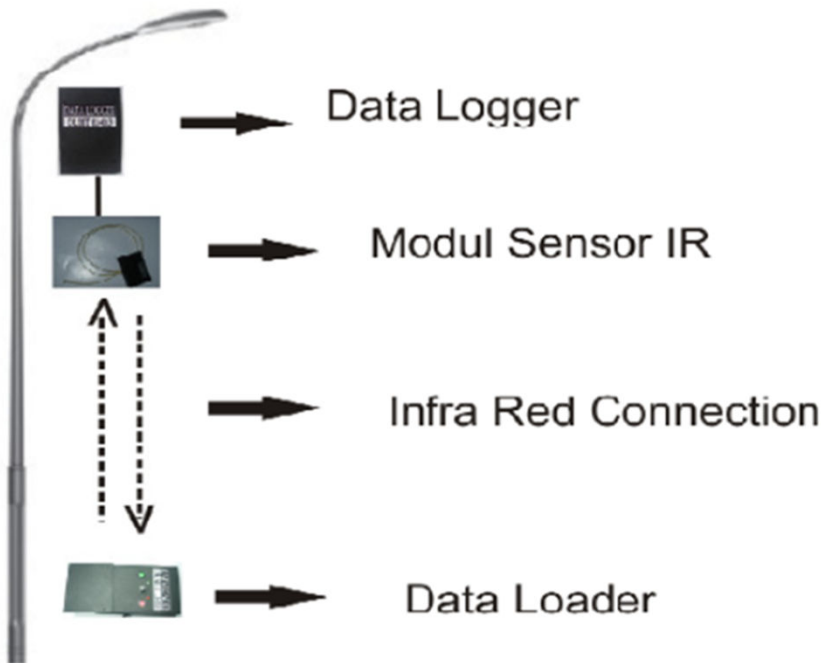
FEATURE

- Maximum storage capacity 5 months---SD Card: 2 Gbyte
- Data retrieval with or via Infra Red. The distance between Data Loader and Data Logger is a maximum of 10 m and the transmission time required is approximately 30 minutes for 2-weekly data retrieval.

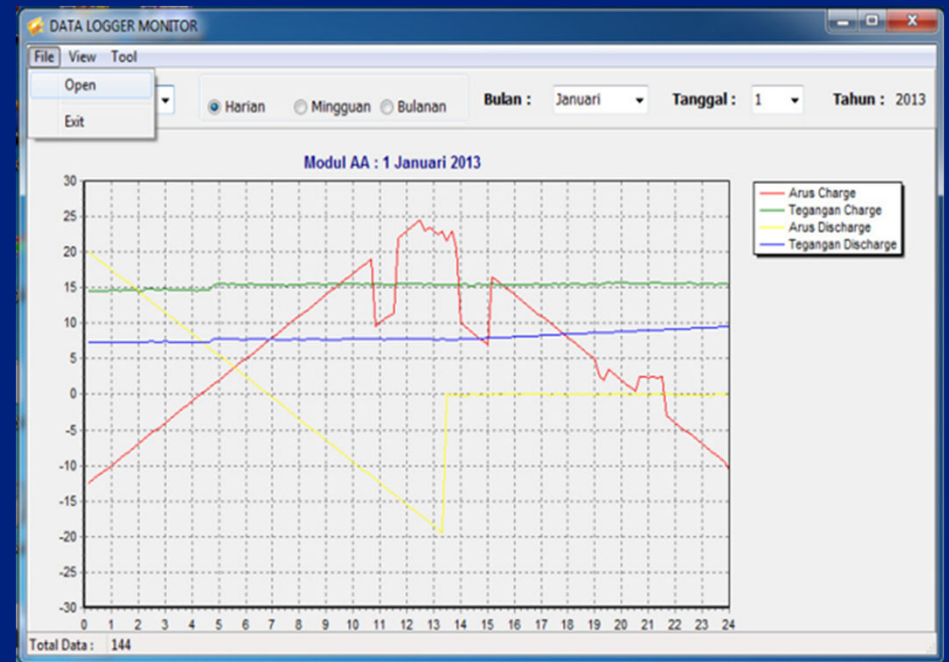
Application program features:

- Data can be in the form of graphs with hourly, daily, monthly options.
- Charging current graph - charging voltage.
- Usage current graph - usage voltage.
- Displays graphs 2 and 3 simultaneously.

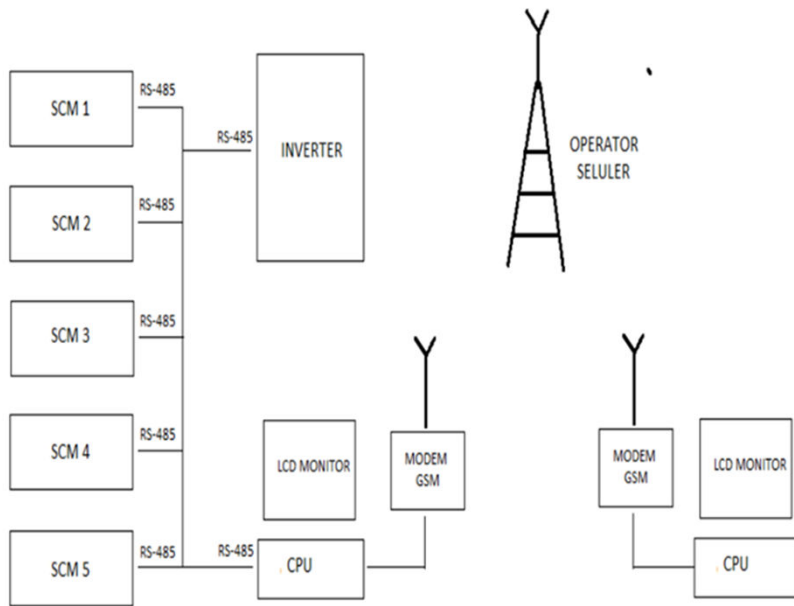
DATA LOGGER



INTELLIGENT / AUTOMATION SYSTEM

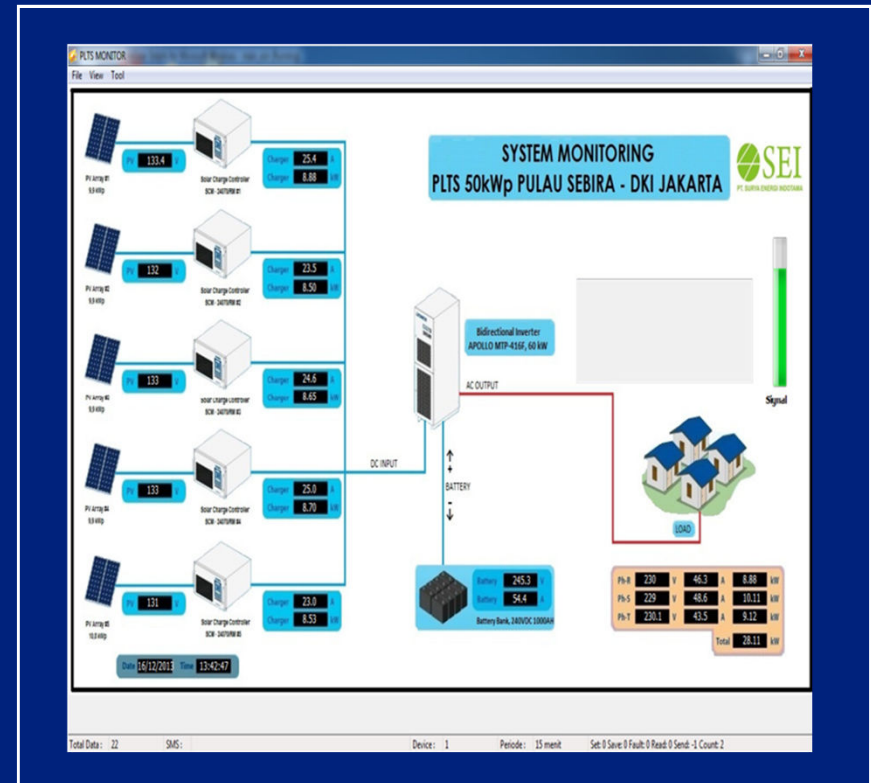


SOLAR POWER PLANT MONITORING SYSTEM



BLOK DIAGRAM SISTEM MONITORING PLTS

INTELLIGENT / AUTOMATION SYSTEM



PUBLIC STREET LIGHTING MONITORING SYSTEM

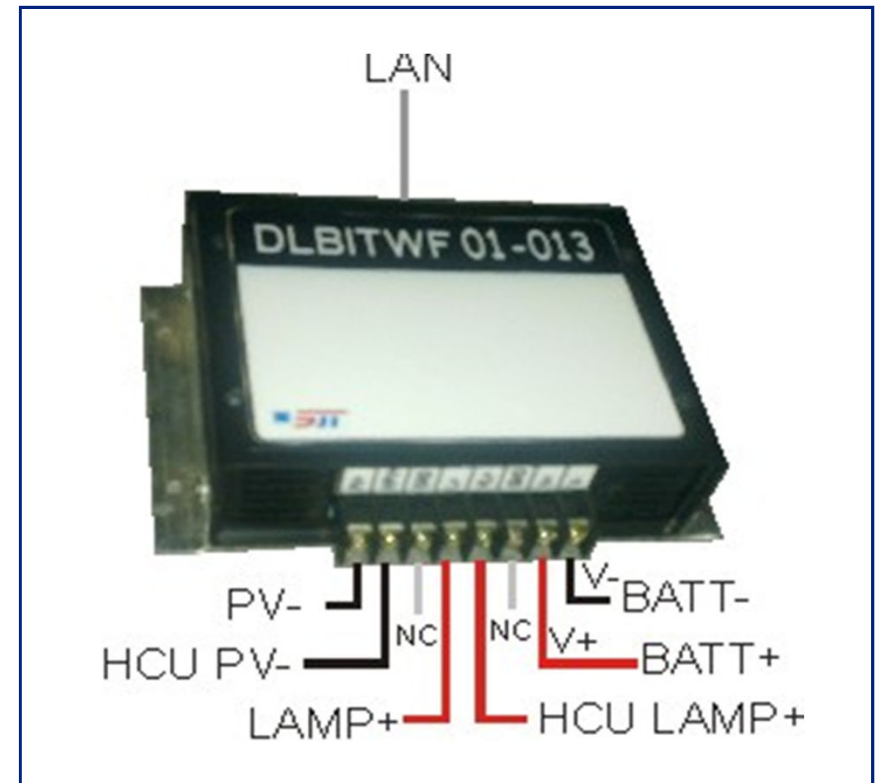
General Monitoring System Features:

- Real-time monitoring data delivery.
- Can detect lamp life
- Detect lamp power source (PLN or Battery)
- Monitoring Charging and Discharging processes

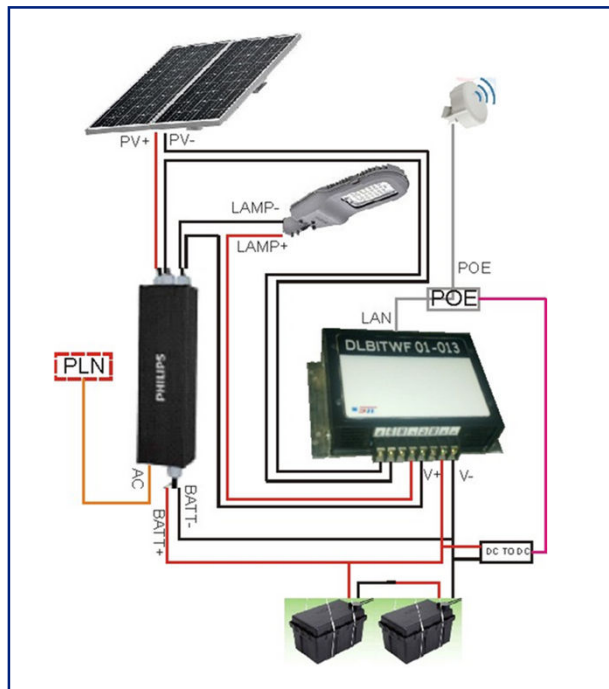
Application Software Features:

- Data can be in the form of graphs with hourly, daily, monthly options.
- Charging current graph - charging voltage
- Usage current graph - usage voltage
- Displays both graphs above simultaneously.
- Displays lamp usage age.

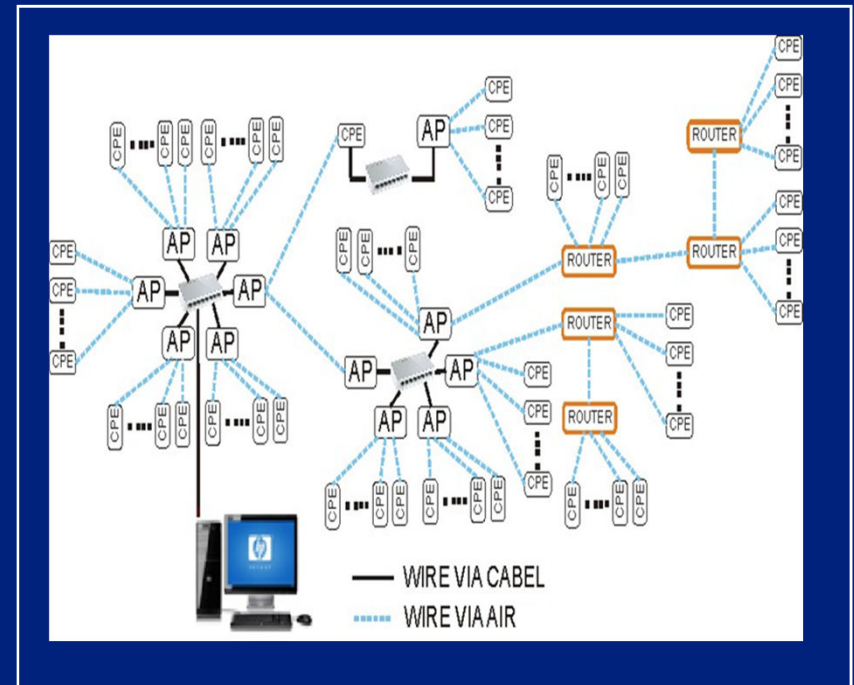
INTELLIGENT / AUTOMATION SYSTEM



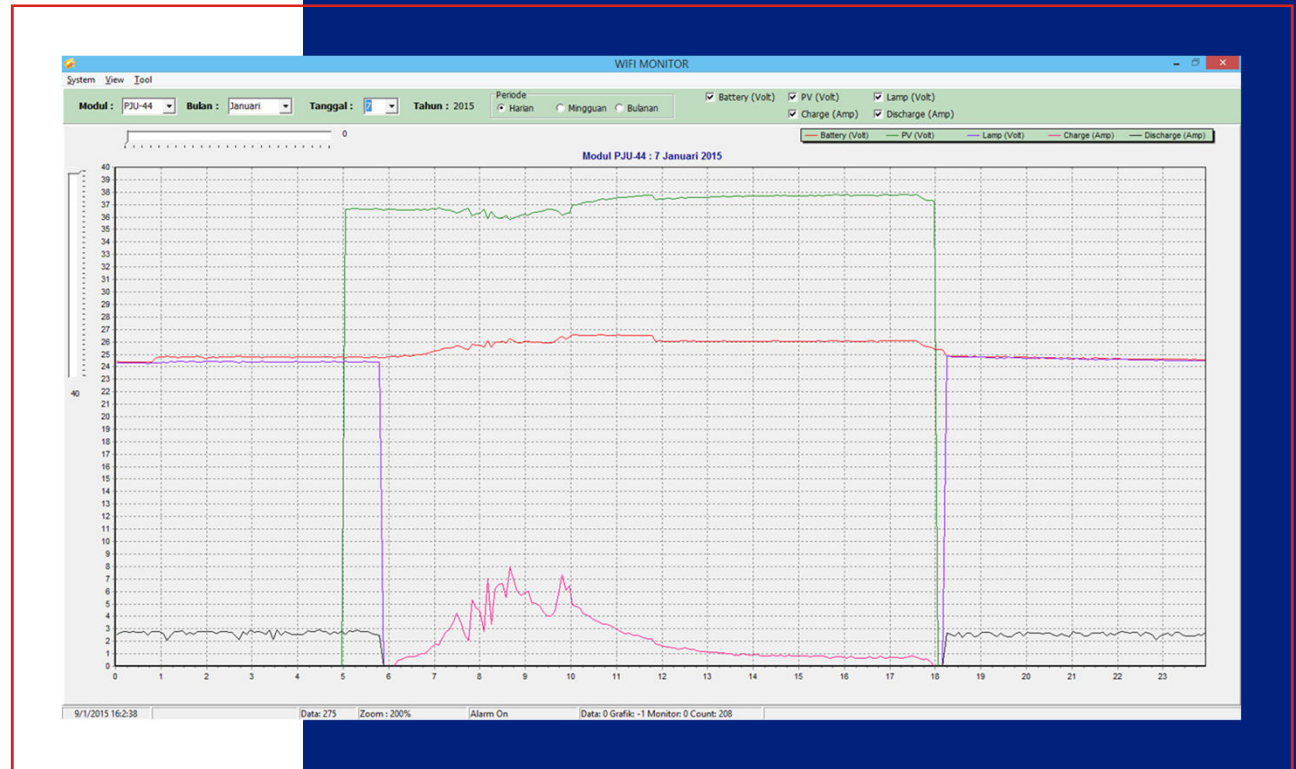
PUBLIC STREET LIGHTING MONITORING SYSTEM



INTELLIGENT / AUTOMATION SYSTEM



PUBLIC STREET LIGHTING MONITORING SYSTEM



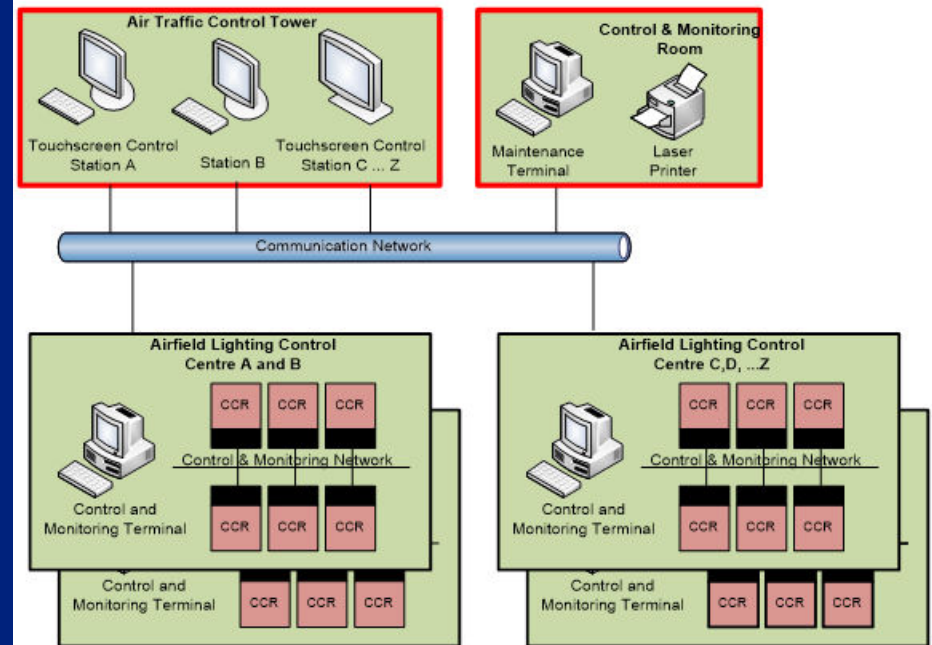
TEST BENCH



AIRFIELD LIGHTING CONTROL AND MONITORING SYSTEM SIMULATOR

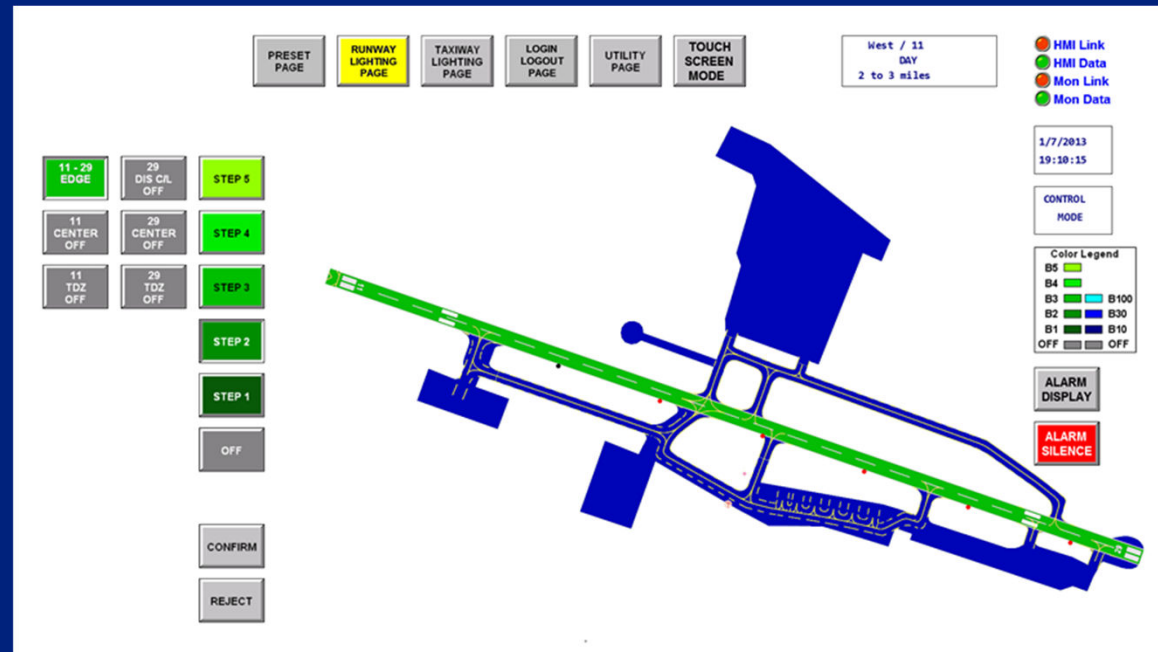
INTELLIGENT / AUTOMATION SYSTEM

BLOK DIAGRAM ALCMS



AIRFIELD LIGHTING CONTROL AND MONITORING SYSTEM SIMULATOR

INTELLIGENT / AUTOMATION SYSTEM



PRESET PAGE **RUNWAY LIGHTING PAGE** TAXIWAY LIGHTING PAGE LOGIN LOGOUT PAGE UTILITY PAGE TOUCH SCREEN MODE

West / 11 DAY
2 to 3 miles

1/7/2013
19:10:15

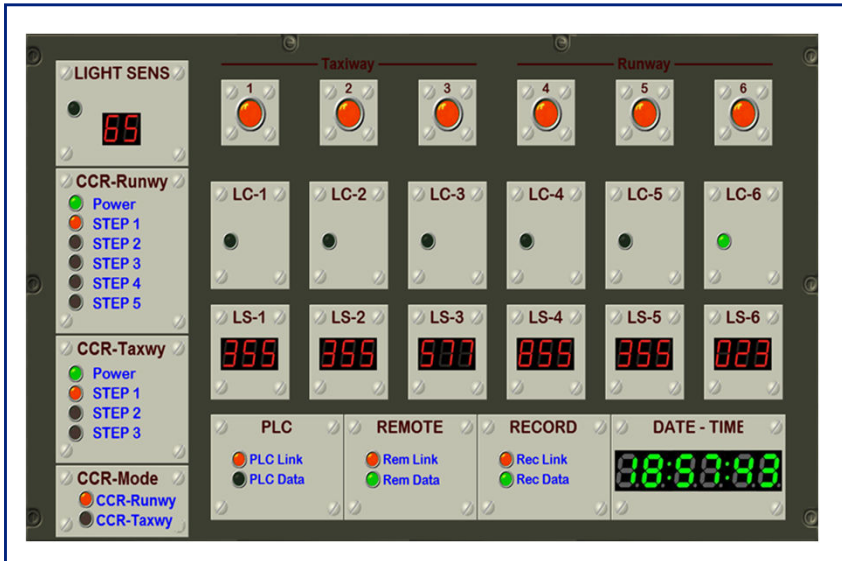
CONTROL MODE

Color Legend
 B5
 B4
 B3
 B2
 B1
 OFF

ALARM DISPLAY
 ALARM SILENCE

11-29 EDGE 29 DIS C/L OFF STEP 5
 11 CENTER OFF 29 CENTER OFF STEP 4
 11 TDZ OFF 29 TDZ OFF STEP 3
 STEP 2
 STEP 1
 OFF
 CONFIRM
 REJECT

AIRFIELD LIGHTING CONTROL AND MONITORING SYSTEM SIMULATOR



HMI PLC

INTELLIGENT / AUTOMATION SYSTEM



CCR (CONSTANT CURRENT
REGULATOR)

EDUTAINMENT MODEL

INTELLIGENT / AUTOMATION SYSTEM



HUMAN GYROSCOPE

EDUTAINMENT MODEL



INTELLIGENT / AUTOMATION SYSTEM



ROBOT MENGAJI

EDUTAINMENT MODEL

INTELLIGENT / AUTOMATION SYSTEM



ROBOT GATOT KACA

EDUTAINMENT MODEL

INTELLIGENT / AUTOMATION SYSTEM



ROBOT R2-D2

ELECTRONICS MODULE

No	Project	Capability	Project Description
1	Atmega328 Breakout board	PCB Layout Design, PCB Printing, and Assembly	Designing Atmega 328 Minimum system Board with arduino downloader (bootloader), serial downloader, or ISP downloader
2	Speaker Module	PCB Layout Design, PCB Printing, and Assembly	Designing amplifier module for speaker, bluetooth speaker, or wireless speaker. Make PCB and assembling the component.
3	RAM Card	PCB Layout Design	Designing Ram SODIMM card.
4	Raspberry Pi Shield	PCB Layout Design, PCB Printing, and Assembly	Making and assembling various Raspberry Pi shield.
5	Arduino Shield	PCB Layout Design, PCB Printing, and Assembly	Making and assembling various Arduino shield.
6	Motor Driver	PCB Layout Design, PCB Printing, and Assembly	Making and assembling motor driver board.
7	Embedded system module	PCB Layout Design, PCB Printing, and Assembly	Making and designing embedded system module using various SOC and microcontroller or processor.
8	Single Board Computer	PCB Layout Design	Designing ARM-based single board computer using SOC from various manufacturers including NXP, Broadcom, Octavo, Qualcomm, and etc.
9	Energy meter	PCB Layout Design, PCB Printing, and Assembly	Designing Energy metering system using ST-based energy meter SOC.
10	Atmega AVR training KIT	PCB Layout Design, PCB Printing, and Assembly	Designing Atmega AVR-based training kit for educational purposes.
11	Robotic training KIT	PCB Layout Design, PCB Printing, and Assembly	Designing robotic training kit for educational purposes.
12	Electric Smoke (Vape) Controller	PCB Layout Design, PCB Printing, and Assembly	Designing electric smoke vape controller for production.

OTHER PROJECTS

No	Project Name	Field/Sub-Field of Work	Location	Service Users	Address/Phone Number	Contract No./Date
1	Procurement of materials for the production of 1,015 concrete curbs for the road	Mechanical	PT. Kereta Api (Persero)	Bridge Maintenance Office of PT Kereta Api	Jl. Kiara Condong No. 92 Bandung	08/SPK/DJ/2006, tgl: 22-06-2006
2	Procurement of materials for repairing the production floor	Mechanical	PT. Kereta Api (Persero)	Bridge Maintenance Office of PT Kereta Api	Jl. Kiara Condong No. 92 Bandung	22/SPK/DJ/JKP/2006, tgl. 30-11-2006
3	Procurement and Installation of a Voice Recorder, Brand: Vorec	Control	PT. Indonesia Power UBP Saguling	Power House-PLTA Saguling	Rajamandala-Bandung	415/SPK/LOG/HMK/UBPSGL/06/06, tgl: 10-10-2006
4	Repair Service for DC-to-AC Power Supply with AVR #2	Control	PT. Indonesia Power UBP Saguling	Power House-PLTA Saguling	Rajamandala-Bandung	084/SPK/LOG/HMK/UBPSGL/07, tgl.: 23-02-2007
5	Energy Meter Calibration Equipment Repair and Maintenance Services - Reconditioning Services for 6KVA/3-Phase Regulator Slide Transformers	Control	PT. Indonesia Power UBP Saguling	Power House-PLTA Saguling	Rajamandala-Bandung	437/SPK/LOG/HMK/UBPSGL/07, tgl.: 13-08-2007

No	Project Name	Field/Sub-Field of Work	Location	Service Users	Address/Phone Number	Contract No./Date
6	Temperature Calibrator Repair Services	Control	PT. Indonesia Power UBP Saguling	Power House-PLTA Saguling	Rajamandala-Bandung	665/SPK/LOC/HMK/UBPSGL/07, tgl.: 19-11-2007
7	Upgrade of 1 Simplex E230G rectifier unit (single-phase, 48 VDC) from 25 A to 40 A with a dropper at GI PENI	Control	PT. PLN UPT Banten	GI PENI PLN UPT Banten	Banten	002/SPKPJ/GITASLA/VI/2008, tgl. 20 Juni 2008
8	UPS Repair	Control	PT. PLN UPT Banten	-	Banten	-
9	Procurement of the Digital Wattmeter-Poundfull	Control	PT. PLN UPT Banten	-	Banten	-
10	Procurement of Vibrators and Round Steel	Mechanical	PT. Kereta Api (Persero)	Bridge Maintenance Office of PT Kereta Api	Jl. Kiara Condong No. 92 Bandung	-
11	Oil Procurement: Belgium, Pertamina, Shell	Mechanical	PT. Kereta Api (Persero)	Bridge Maintenance Office of PT Kereta Api	Jl. Kiara Condong No. 92 Bandung	-
12	Oil Procurement: Rotoge, Rored, Klafus, Telus 68, and Stempet	Mechanical	PT. Kereta Api (Persero)	Bridge Maintenance Office of PT Kereta Api	Jl. Kiara Condong No. 92 Bandung	-

No	Project Name	Field/Sub-Field of Work	Location	Service Users	Address/Phone Number	Contract No./Date
13	Custom Manufacturing Services for Setrara Speed Relay Modules (EG) and Custom Manufacturing Services for Vorec V 2.1 Telephones	Control	PT. Indonesia Power UBP Saguling	Power House-PLTA Saguling	Rajamandala-Bandung	126/SPK/LOG/HMK/UBPSGL/08, tgl.: 18 Maret 2008
14	Custom Manufacturing Services for Line Drop Compensator (AVR) Modules	Control	PT. Indonesia Power UBP Saguling	Power House-PLTA Saguling	Rajamandala-Bandung	362/SPK/LOG/HKK/UBPSGL/08, tgl.: 21 Juli 2008
15	Repair of the Load Limit motor (77M)	Control	PT. Indonesia Power UBP Saguling	Power House-PLTA Saguling	Rajamandala-Bandung	063/SPK/LOG/HKL/UBPSGL/09
16	Repair of MAP modules, CPUs, control boards, and power supplies for textile machinery	Control & Instrumentation	PT. Admiralindo Bintang Terang	PT. Admiralindo Bintang Terang	Jl. Industri 4 No. 11 Cibelego Cimahi-Bandung	2007-2010
17	Repair of the SCR Trigger Card, Operation Mode Card, and HRC Fuse	Control	PT. PLN UPT Banten	GI Pendo	Banten	006/SPKPJ/GITASLA/V/2009
18	Maintenance of the Control System for Power Plant Unit 1 - Modification of the control system display on the graphic panel	Control	PT. Indonesia Power UBP Saguling	Power House-PLTA Saguling	Rajamandala-Bandung	275/SPK/LOG/HKK/UBPSGL/0

No	Project Name	Field/Sub-Field of Work	Location	Service Users	Address/Phone Number	Contract No./Date
19	Maintenance of the Control System for Power Plant Unit 3 - Modification of the control system display on the graphic panel	Control	PT. Indonesia Power UBP Saguling	Power House-PLTA Saguling	Rajamandala-Bandung	276/SPK/LOG/HKK/UBPSGL/09
20	Maintenance of the Control System for Power Plant Unit 4 - Modification of the control system display on the graphic panel	Control	PT. Indonesia Power UBP Saguling	Power House-PLTA Saguling	Rajamandala-Bandung	277/SPK/LOG/HKK/UBPSGL/09
21	Design & Production of Battery Charger, Model: SJT 220VAC/110 VDC-10A-CHR	Control & Instrumentation	PT. POWER OPTIMA SOLUSI	PT. POWER OPTIMA SOLUSI	Serpong	Retail: 2010
22	Design & Production: Dropper 10A	Control & Instrumentation	PT. POWER OPTIMA SOLUSI	PT. POWER OPTIMA SOLUSI	Serpong	Retail: 2010
23	ALTIMETRIC WATER LEVEL SENSOR MEASURING SYSTEM	Control	PT. Indonesia Power UBP Saguling	Power House-PLTA Saguling	Rajamandala-Bandung	0153/SPB/HKI/SGL/11

No	Project Name	Field/Sub-Field of Work	Service Users	Location	Contract No./Date
24	12 V/10 A continuous-current car charger	Control & Instrumentation	PT. Polyfin Canggih	Bandung	Retail
25	Battery Charger 110 VDC	Control & Instrumentation	PT. Sinergi Sumber Daya Indonesia	Bandung	Retail
26	E-Filling / E-Book	IT	PT. LEN-Bandung	Bandung	Selesai
27	Procurement of Software Sum_ToolBook10-5	IT	PT. LEN-Bandung	Bandung	Selesai
28	Creating the R2-D2 Robot	Control & Instrumentation	Dioking	Jakarta	Selesai
29	Actuator system for moving rocket fins	Control & Instrumentation	UI	Depok-Jakarta	
30	Simulator: AIRFIELD LIGHTING CONTROL AND MONITORING SYSTEM	Control & Instrumentation	PT. LEN-Bandung		2013
31	Wireless Sensor Network (WSN)-Based Monitoring - at the PLTH Site	Control & Instrumentation	PT. SEI - Bandung	Baron-Jogjakarta	084.3/SP/LOG/IX/2014

No	Project Name	Field/Sub-Field of Work	Service Users	Location	Contract No./Date
40	CCTV Installation at a Convenience Store	Computer & IT	Royal Orchid Group	Jl. Reog - Bandung	2018
41	Design of an IoT-Based Early Warning System for Landslides	Computer & IT	IoT Research Centre / Adwitech - Telkom University	Bandung	2019
42	Design & Implementation of Entertainment Robots - Quran-Reciting Robot	Computer & IT	Quran Lovers Olympics - 2016, One Day One Juz Community	Bekasi	2016
43	Procurement of BLDC Motor	Teaching Aids / Instrumentation	Unpar	Unpar - Bandung	07-FTI-0918-D-034, 2018
44	Pengadaan CNC PCB Engrave & Laser Cutter	Teaching Aids / Instrumentation	Unpar	Unpar - Bandung	07-FTI-0818-D-025 Revisi, 2018
45	Procurement of Bending Machines	Teaching Aids / Instrumentation	Unpar	Unpar - Bandung	07-FTI-0818-D-021, 2018
46	Procurement of Motor Training Kit	Teaching Aids / Instrumentation	Unpar	Unpar - Bandung	2017/PO/11/00005, 01-11-2017

No	Project Name	Field/Sub-Field of Work	Service Users	Location	Contract No./Date
47	Procurement of Industrial Simulator Training Kit	Teaching Aids / Instrumentation	Unpar	Unpar - Bandung	2017/PO/11/00006, 01-11-2017
48	Upgrades: Modul Kinetika, Modul HE Kontroller, Modul Dinamika Proses	Teaching Aids / Instrumentation	Unpar	Unpar - Bandung	07-FTI-0718-D-019, 2018
49	Creation/Procurement of Scratch Hardness Tester	Teaching Aids / Instrumentation	Unpar	Unpar - Bandung	07-FTI-0918-D-031, 2018
50	Service Mixer	Teaching Aids / Instrumentation	Unpar	Unpar - Bandung	07-FTI-0918-D-020, 2018
51	Creation of Temperature Plant	Teaching Aids / Instrumentation	Unpar	Unpar - Bandung	07-FTI-0918-D-013, 2018
52	Rental of Equipment to Support Activities Under the Research and Innovation Program for a Prosperous Indonesia (RIIM) – Phase 2, 2024	Electronics	Directorate of Research and Community Service, Telkom University	Kampus Telkom University Bandung	-
53	Internship	-	Telkom University	CV Sonajaya Technology	-
54	Conducting Research, Community Service, Internships, and Human Resource Development	-	Telkom University	CV Sonajaya Technology	-

No	Project Name	Field/Sub-Field of Work	Service Users	Location	Contract No./Date
55	Rental of equipment to support research activities under the Industrial Technology Development Program (PPTI) 2023	-	Directorate of Research and Community Service, Telkom University	Telkom University Bandung	-
56	Procurement of Goods to Support Research on the Design of a Train Control System for High-Speed Rail Operations in Indonesia, Phase 1	-	Telkom University	Telkom University Bandung	206/LIT07/PPM-LIT/2024, tgl: 08-07-2024
57	Procurement of Goods to Support Research, Development, and Innovation for a Prosperous Indonesia (RIIM) 2024	-	Telkom University	Telkom University Bandung	1050/SPK/18072024, tgl: 15-07-2024
58	Procurement of Goods to Support Research on the Design of a Train Control System for High-Speed Rail Operations in Indonesia, Phase 2	-	Telkom University	Telkom University Bandung	209/LIT07/PPM-LIT/2024. tgl: 13-08-2024
59	Procurement of Goods for Sustainable Development Research (PRPB) by the Education Fund Management Agency (LPDP) for the Year 2025	-	Telkom University	Telkom University Bandung	1152/SPK/17032025, tgl: 12-03-2025

DEVICE REPAIR

- Weaving Machine Module: Modul I/O MAP-1 Grosse dan Panel Display SIMOD
- Vamatex machine module : Card Sig Berger Lahr, Board CPU, Board Power, Motor
- Temperature Calibrator
- Alarm Module
- Fire Protection Control
- Thermocouple Setpoint Module
- CPU Multiplexer Board
- Rectifier and Charger by Brand : COREDEL,SAB NIFE, SAFT NIFE, ASEA, MEP,SIMPLEK, GAE, EDISON, MEMETRI, CDP.
- DC to AC Power Supply AVR # 2
- Slide Transformer
- Line Drop Compensator
- Relay Module
- Power Supply

THANK YOU

Contact Us For More Information



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CV. SONA JAYA TECHNOLOGY