# Flitsov
## SOLUTION

COMPANY PROFILE

# FLITSOV Solution Sdn. Bhd. (1327560-H)

# ABOUT US

Flitsov Solution Sdn. Bhd. was founded in May 2019. We offer our clients total solutions for their industrial automation needs to improve productivity, quality, reliability, maintenance, record keeping, and profit.

We have the expertise to provide complete engineering services, including control system design, software development, hardware fabrications, electrical site installation, total project management, testing and commissioning start up. Our 24/7 on call policy was implemented in order to minimize customer downtime with minimal cost effect for customer's better profit.

# COMPANY HISTORY
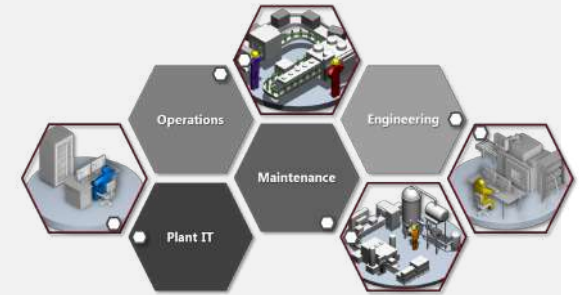
**2018**

Established by Kevin Phoa Gek Chuan and Sim Mong Seng, to provide services for control and automation jobs.

In house team : 2 pax

**2019**

Converted from partnership to Private Limited Company (Sdn Bhd).

In house team : 5 pax

**2020**

Expanded a business with electrical and mechanical doing.

In house team : 11 pax

**2021**

Opened a branch in Kota Kinabalu, Sabah.

In house team : 16 pax

**2022**

Expanded a business doing service & maintenance team

In house team : 19 pax

**2023**

Opened a branch in Kuala Lumpur

In house team : 23 pax

**2024**

Recognized by Sarawak Energy (SEB Power) with a Contractor Excellence Award.

**2025**

Recognized by KVC with an Interdisciplinary Partner

**Recognised System Integrator**
A ROCKWELL AUTOMATION PARTNER

**THINMANAGER AUTHORIZED PARTNER**
A Rockwell Automation Technology

FLITSOV Solution

To be a Company Recognized
for Operational Satisfaction

VISION

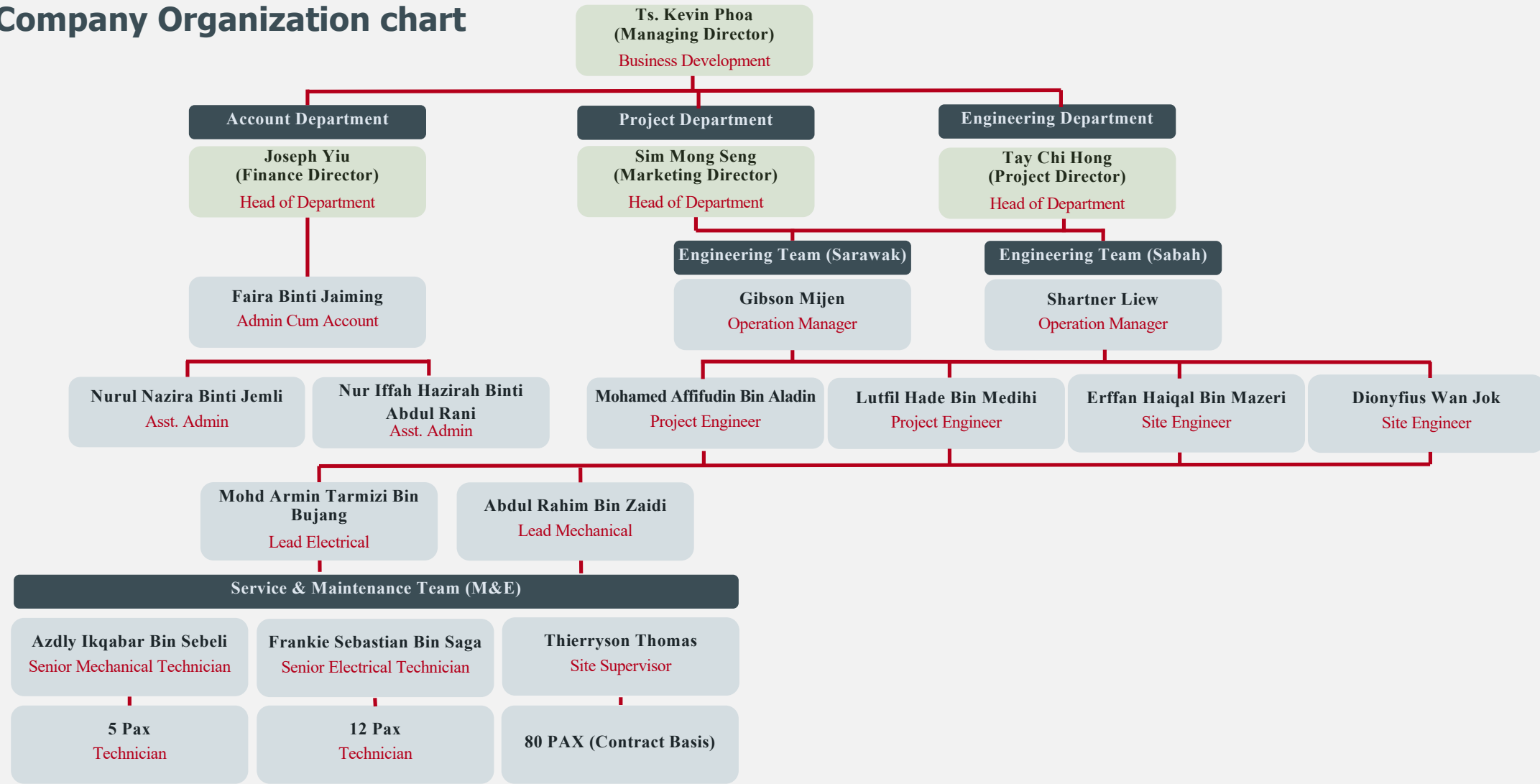MISSION

To Ensure Customer Accepts and Receives Prompt,
Professional, Friendly and Courteous Services.

VALUES

Client Are Our Value Partner

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# Company Organization chart

**Ts. Kevin Phoa
(Managing Director)**
Business Development

## Account Department

**Joseph Yiu
(Finance Director)**
Head of Department

**Faira Binti Jaiming**
Admin Cum Account

**Nurul Nazira Binti Jemli**
Asst. Admin

**Nur Iffah Hazirah Binti Abdul Rani**
Asst. Admin

## Project Department

**Sim Mong Seng
(Marketing Director)**
Head of Department

## Engineering Department

**Tay Chi Hong
(Project Director)**
Head of Department

### Engineering Team (Sarawak)

**Gibson Mijen**
Operation Manager

### Engineering Team (Sabah)

**Shartner Liew**
Operation Manager

**Mohamed Affifudin Bin Aladin**
Project Engineer

**Lutfil Hade Bin Medihi**
Project Engineer

**Erffan Haiqal Bin Mazeri**
Site Engineer

**Dionyfius Wan Jok**
Site Engineer

**Mohd Armin Tarmizi Bin Bujang**
Lead Electrical

**Abdul Rahim Bin Zaidi**
Lead Mechanical

### Service & Maintenance Team (M&E)

**Azdly Ikqabar Bin Sebeli**
Senior Mechanical Technician

**Frankie Sebastian Bin Saga**
Senior Electrical Technician

**Thierryson Thomas**
Site Supervisor

**5 Pax**
Technician

**12 Pax**
Technician

**80 PAX (Contract Basis)**

# OUR SERVICE



Control Automation

Services

Drive & Inverters

Panel & Fabrication

Service And Maintenance

Surveillance System

Training

Sensor & Instrumentation

Power Monitoring

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# BRAND / PRODUCT EXPERIENCES



**Schneider** Electric

**SIEMENS**

**E+H** Endress+Hauser

**AB** QUALITY **Allen-Bradley** by ROCKWELL AUTOMATION

**SICK** Sensor Intelligence.

**MITSUBISHI ELECTRIC** Changes for the Better

**ProSoft** TECHNOLOGY

**Leuze electronic** the sensor people

**THINMANAGER** A Rockwell Automation Technology

**OMRON**

# PROJECT EXPERIENCE

## Professional Certification Training Workshop

*PLC & SCADA Training (JPPS, Sabah) Year 2023*

FLITSOV Solution

# PROJECT EXPERIENCE

Loji Rawatan Enapcemar Gunung
Semanggol, Perak
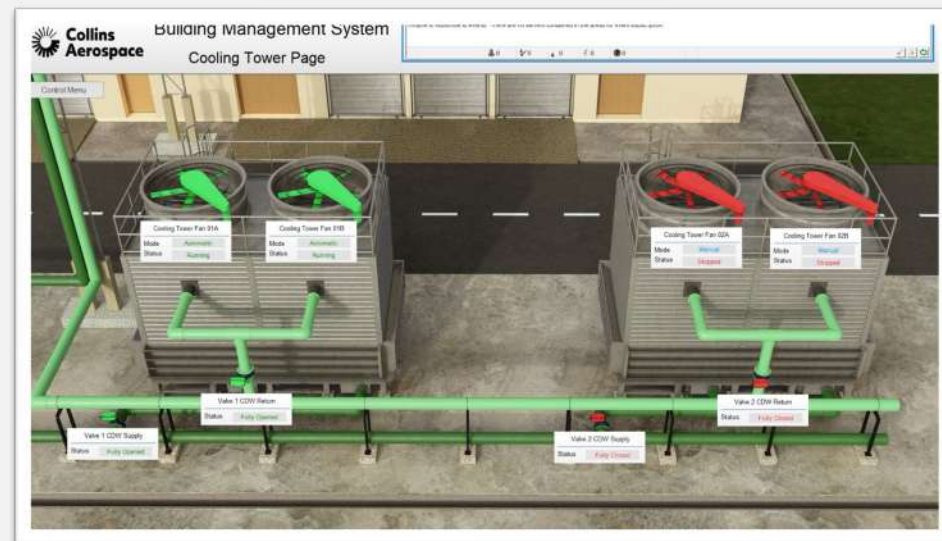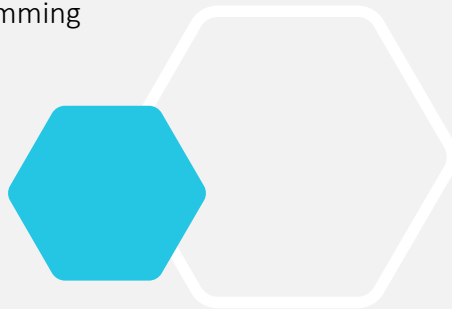*Control & Monitoring*

## Hardware Used
1. Schneider M241 PLC
2. Schneider HMI

## Job
1. Process Control
2. Communication between sensors,
   PLC/SCADA.

## Engineering Tools
1. Multi-project engineering
2. Machine Expert
3. AVEVA Plant SCADA
4. Ladder programming / Function block
   programming

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# PROJECT EXPERIENCE

**Skim Pembetungan Putatan Fasa 1, Sabah**

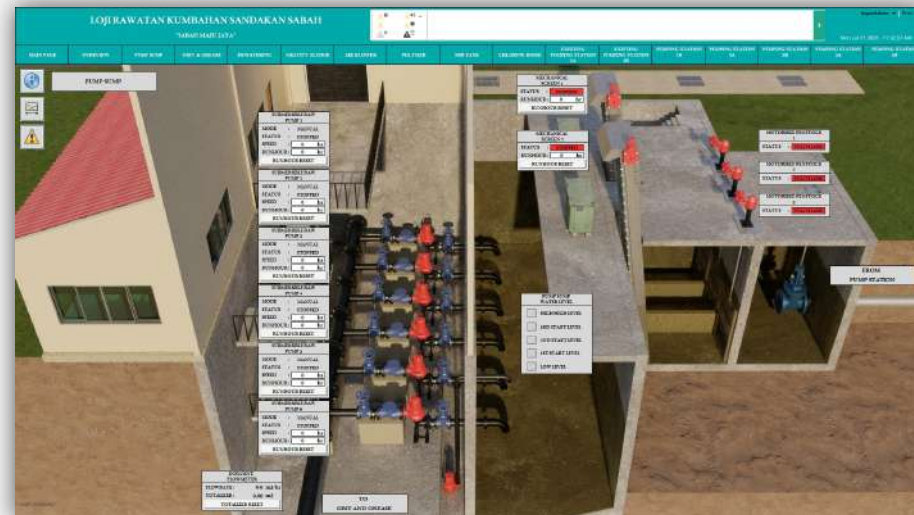*Sewage Treatment Plant Control & Monitoring*

## Hardware Used

1. Omron CJ2M
2. Prosoft Cellular Gateway (Telemetry)

## Job

1. Process Control
2. Communication between sensors, remote & client PLC/SCADA.

## Engineering Tools

1. Multi-project engineering
2. CX-Programmer
3. AVEVA Plant SCADA
4. Ladder programming / Function block programming

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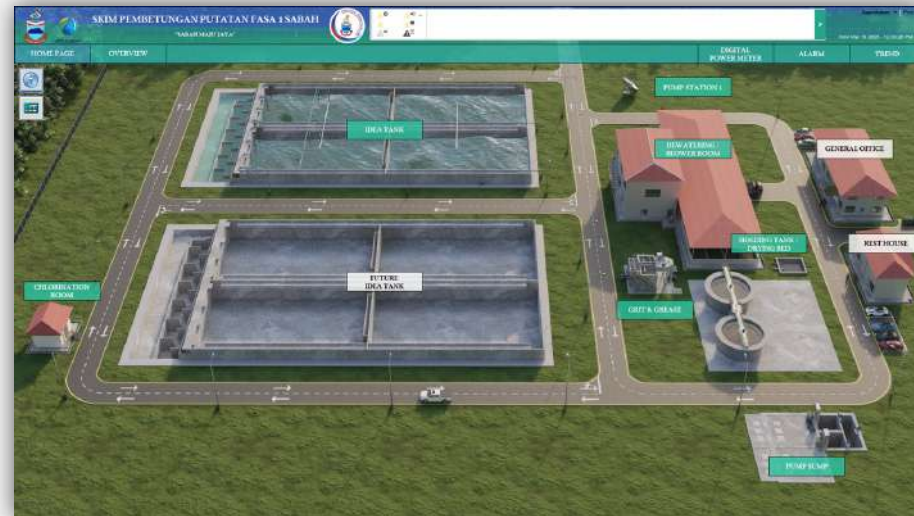
# PROJECT EXPERIENCE

**Collins Aerospace, Subang**
*Control & Monitoring*

## Hardware Used

1. MicroLogix & CompactLogix

## Job

1. Process Control
2. Communication between sensors, PLC/SCADA.

## Engineering Tools

1. Multi-project engineering
2. Studio 5000
3. VTScada
4. Ladder programming / Function block programming

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# PROJECT EXPERIENCE

## Kota Marudu STP, Sabah
*Sewage Treatment Plant Control & Monitoring*

### Hardware Used
1. Omron CJ2M
2. Prosoft Cellular Gateway (Telemetry)

### Job
1. Process Control
2. Communication between sensors, remote & client PLC/SCADA.

### Engineering Tools
1. Multi-project engineering
2. CX-Programmer
3. AVEVA Plant SCADA
4. Ladder programming / Function block programming

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# PROJECT EXPERIENCE

## Sandakan STP, Sabah
*Sewage Treatment Plant Control & Monitoring*

### Hardware Used
1. Omron CJ2M
2. Prosoft Cellular Gateway (Telemetry)

### Job
1. Process Control
2. Communication between sensors, remote & client PLC/SCADA.

### Engineering Tools
1. Multi-project engineering
2. CX-Programmer
3. AVEVA Plant SCADA
4. Ladder programming / Function block programming

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# PROJECT EXPERIENCE

## Balai Ringin Raw Water Intake, Serian
*Control & Monitoring*

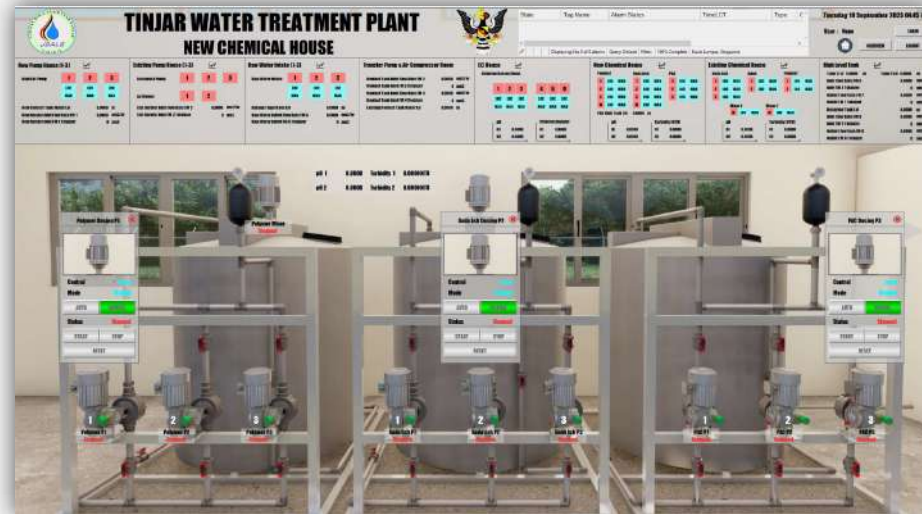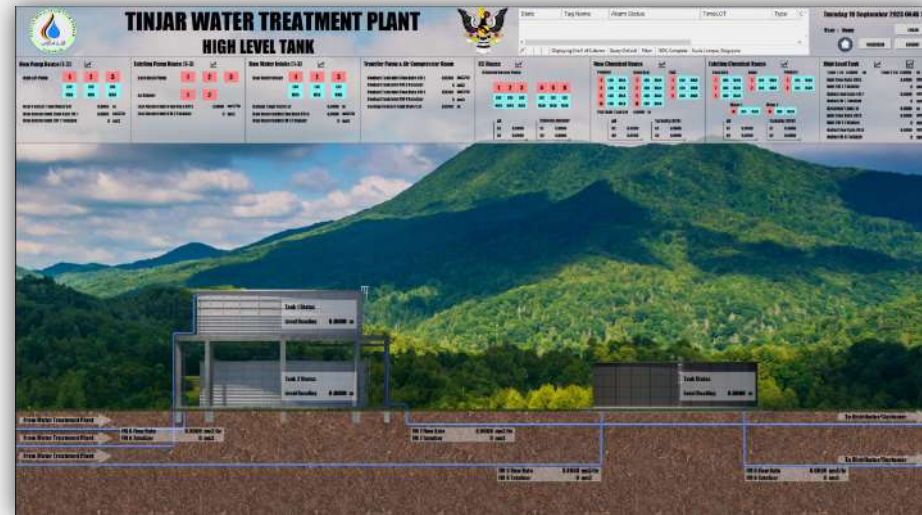### Hardware Used
1. MicroLogix & CompactLogix
2. Prosoft Industrial Cellular Gateway (Telemetry)

### Job
1. Process Control
2. Communication between sensors, PLC/SCADA.

### Engineering Tools
1. Multi-project engineering
2. Studio 5000
3. VTScada
4. Ladder programming / Function block programming

FLITSOV Solution
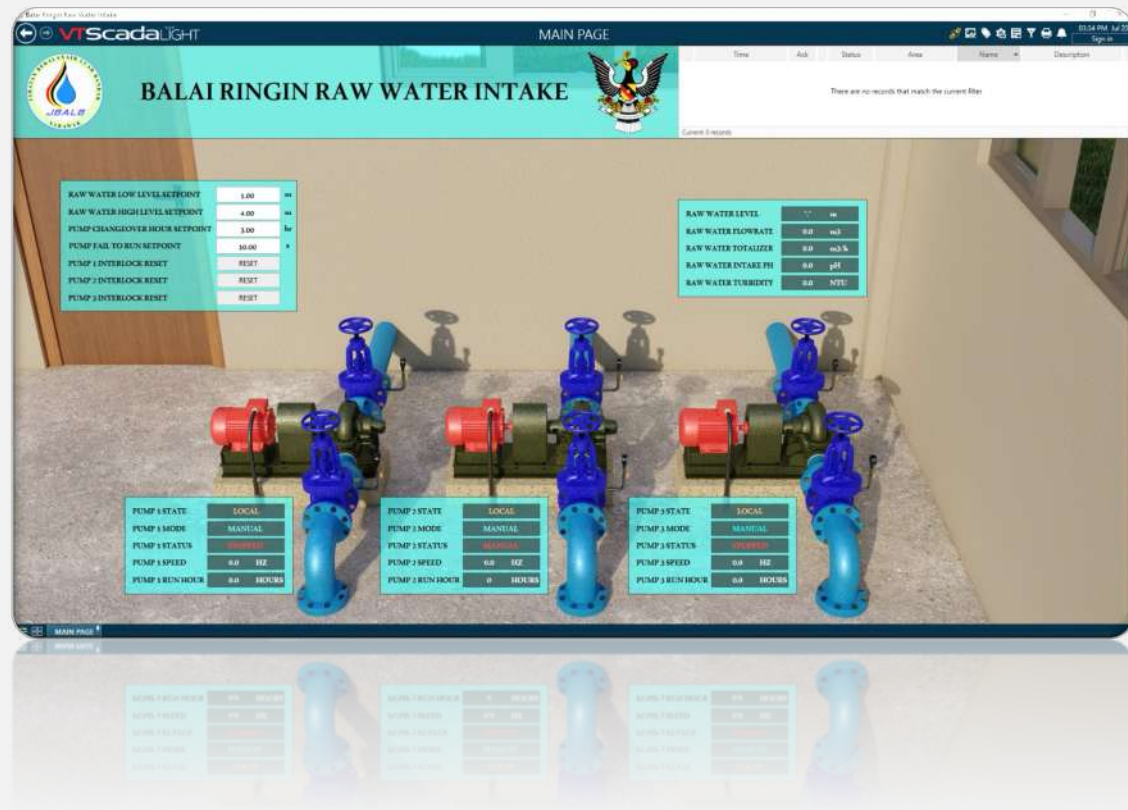
# PROJECT EXPERIENCE

## Matadeng Booster Station, Mukah
*Control & Monitoring*

### Hardware Used

1. Schneider M221
2. Schneider HMI

### Job

1. Pump Auto Switch Over Control
2. Communication between sensors, PLC/HMI.

### Engineering Tools

1. Multi-project engineering
2. Machine Expert
3. Vijeo Citect
4. Ladder programming / Function block programming

FLITSOV Solution
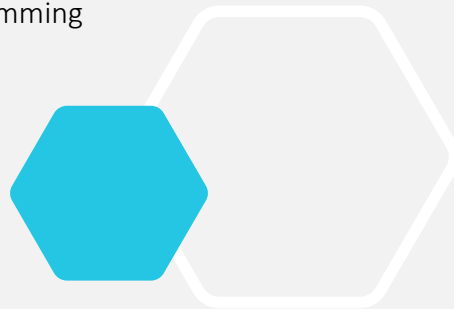
# PROJECT EXPERIENCE

## Tinjar WTP, Miri
*Water Treatment Plant Control & Monitoring*

### Hardware Used
1. Siemens S7-1500
2. Siemens S7-1200
3. Prosoft Cellular Gateway (Telemetry)

### Job
1. Process Control
2. Communication between sensors, remote & client PLC/SCADA.

### Engineering Tools
1. Multi-project engineering
2. TIA Portal
3. Wonderware InTouch
4. Ladder programming / Function block programming

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# PROJECT EXPERIENCE

## Water Level Monitoring

*Telemetry System : High Level Tank level monitoring covering total of 84 high level tank in Sarawak.*

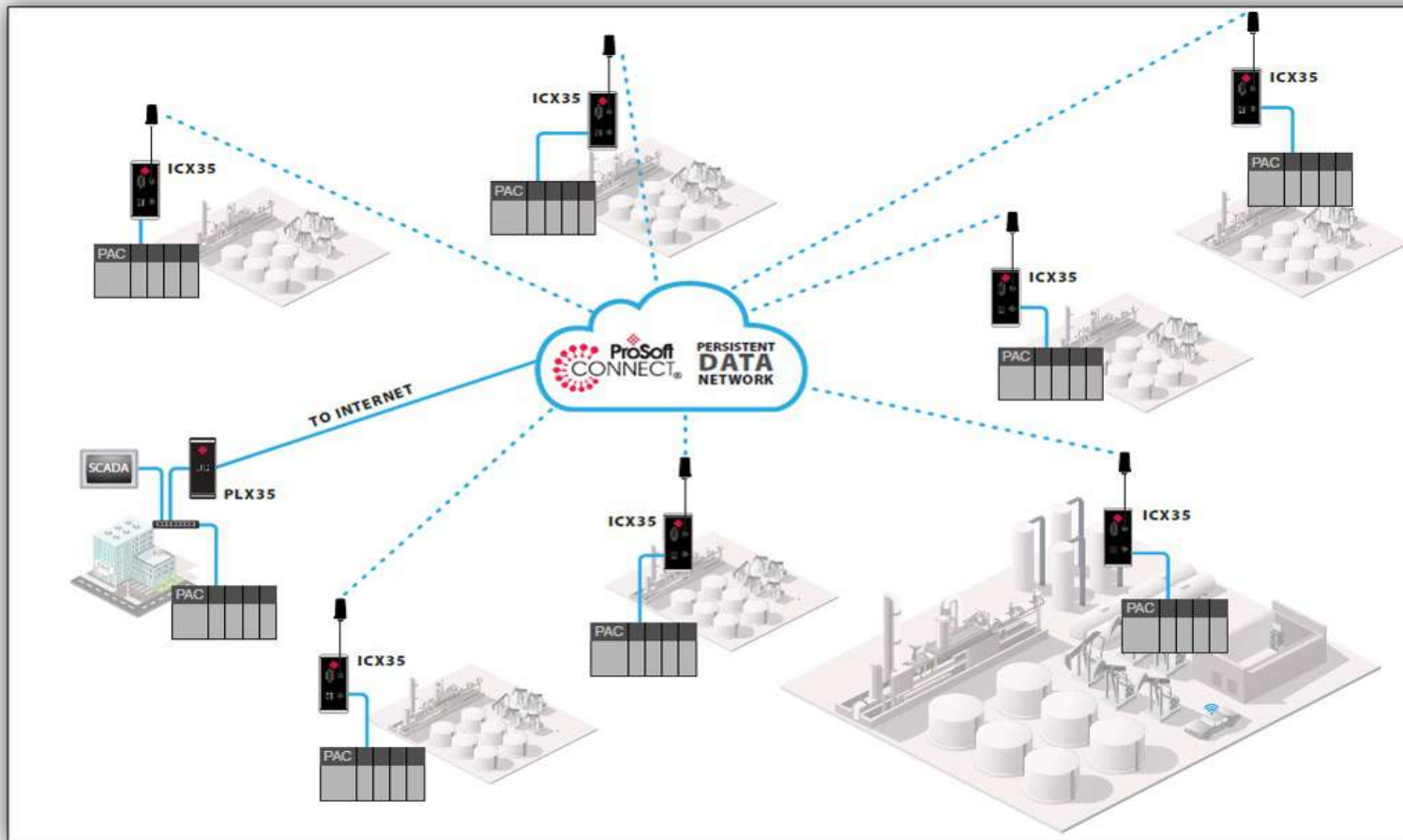## Hardware Used

1. Gussman RTU
2. EPEVER Solar Controller

## Area & sites of installation

1. Mukah - 14 Tanks
2. Kuching - 6 Tanks
3. Samarahan – 9 tanks
4. Sri Aman – 8 Tanks
5. Betong – 25 Tanks
6. Sarikei – 16 Tanks
7. Sibu – 5 Tanks
8. Kapit – 3 Tanks

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# TELEMETRY SYSTEM

Kundasang, Sabah



### Hardware Used
1. Prosoft Cellular Gateway
2. Allen Bradley PLC

### Location of installation
1. PH Water Treatment Plant
2. PH G1
3. PH G2
4. PH-PERKASA
5. PH-Reservoir C
6. PH-Reservoir 4
7. PH-Reservoir G4

### Engineering Tools
1. Multi-project engineering
2. Ladder programming / Function block programming

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# PROJECT EXPERIENCE

## Press Metal Sarawak, Mukah
*Overhead crane control with monitoring system*

### Hardware Used
1. Allen Bradley CompactLogix
2. PowerFlex VFD with ADC Control

### Job
1. ADC (Automatic Device Configuration)
2. Communication between sensors, remote & client PLC/SCADA.

### Engineering Tools
1. Multi-project engineering
2. RSLogix Studio 5000
3. FactoryTalk View Studio
4. Ladder programming / Function block programming

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# POT TENDING MACHINE SYSTEM
### Press Metal Mukah

1. Capacity
2. Height of lift
3. Crane span
4. Traveling span
5. Energy chain
6. Collision
7. Braking
8. Gravity Limit

OVERHEAD CRANE TERMINOLOGY TO CONCERN

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# PROJECT EXPERIENCE

## Linde EOX Samajaya, Kuching
*Ultra High Priority Oxygen process control*

### Hardware Used
1. Allen Bradley ControlLogix
2. IFiX SCADA
3. Prosoft Modbus module

### Common default settings
1. I/O modules set-up and properties
2. Communication between sensors, remote & client PLC/SCADA through ethernet.

### Engineering Tools
1. Multi-project engineering
2. RSLogix 5000
3. Proficy Ifix
4. Ladder programming / Function block programming

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# PROJECT EXPERIENCE

## Mukah Power Generation, Mukah
*Auxiliary Boiler Control and Monitoring.*

### Hardware Used
1. Modicon Premium

### Common default settings
1. Serial Modbus communication
2. MBNET protocol
3. PC installation & configuration
4. SCADA I/O devices protocol settings

### Engineering Tools
1. Multi-project engineering
2. Wonderware InTouch
3. Modicon Premium
4. Ladder Logic Diagram

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# PROJECT EXPERIENCE

**TALKE Malaysia, Klang**

*Power Monitoring System*

## Hardware and Software Used

1. DPM (PM8000, PM5350, PM2230)
2. Modbus communication between power meter.

## Common default settings

1. Serial to Ethernet virtual port converting switch
2. I/O modules set-up and properties
3. PC installation & configuration
4. Modbus TCP & RTU protocol

## Engineering Tools

1. Multi-project engineering
2. C program
3. Power Monitoring Expert

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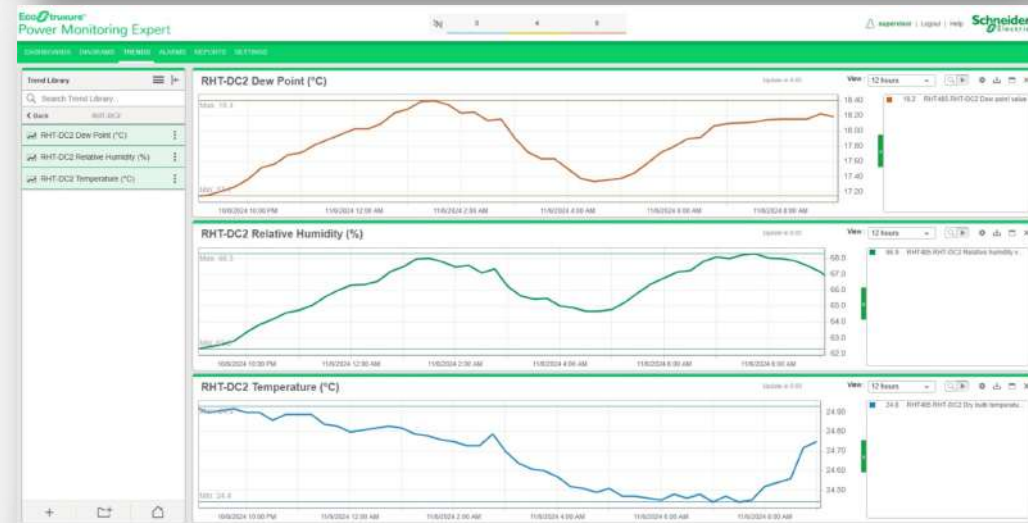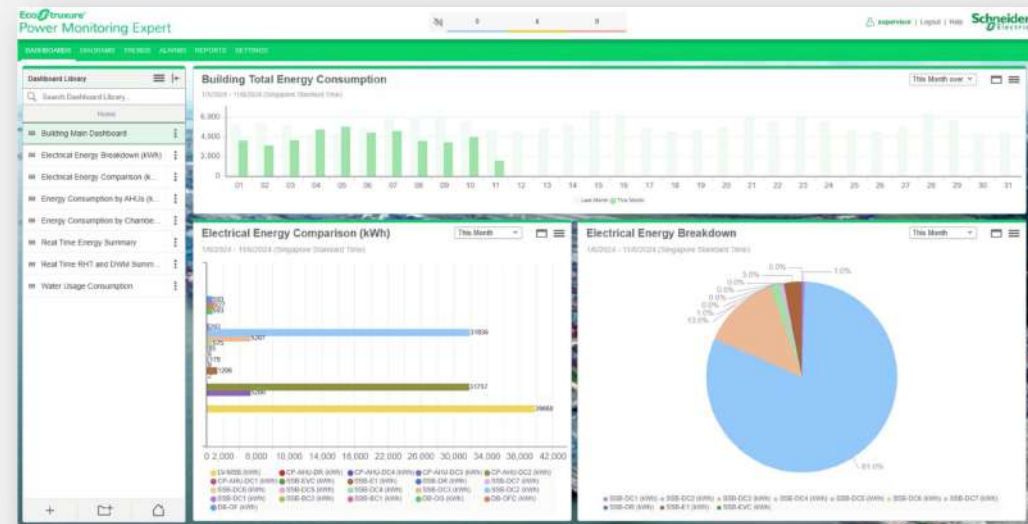
# PROJECT EXPERIENCE

## Press Metal, Bintulu
*Billet Stacking. Transfer Crane*

### Hardware Used
1. Siemens S7300 PLC
2. Siemens S71200 PLC
3. Siemens TI Portal V13
4. Wincc Touch Panel
5. Siemens Profibus communication

### Common default settings
1. Siemens PLC settings
2. I/O modules set-up and properties

### Engineering Tools
1. Multi-project engineering
2. Ladder programming / Function block programming

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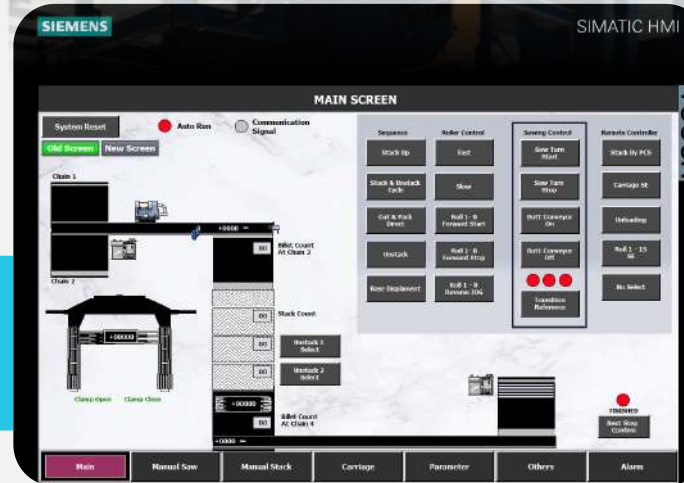
# PROJECT EXPERIENCE

## Balingian Energy Mineral, Mukah

*Stacker & Reclaimer Control & Monitoring system*

### Hardware Used
1. Siemens S7400-H PLC
2. ABB VFD
3. Encorder

### Common default settings
1. Siemens PLC settings
2. Profibus communication
3. I/O modules set-up and properties

### Engineering Tools
1. Multi-project engineering
2. Siemens TIA Portal V13
3. Ladder programming / Function block programming

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# PROJECT EXPERIENCE

## Press Metal, Bintulu

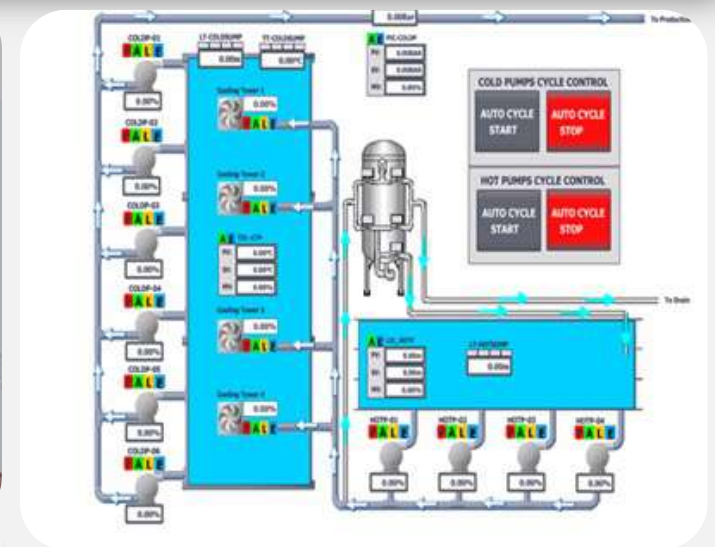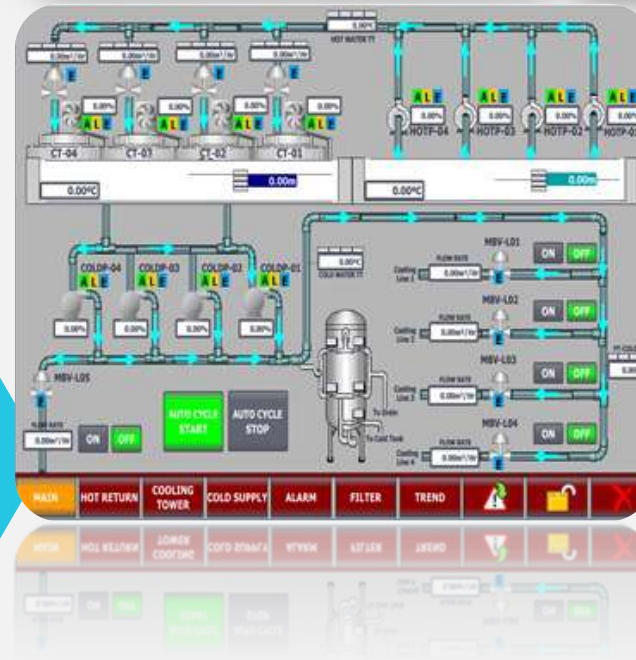*Casting line Hot water cooling system*

### Hardware Used

1. Siemens S71300 PLC
2. Siemens TI Portal V13
3. Wincc Touch Panel

### Common default settings

1. Siemens PLC settings
2. I/O modules set-up and properties

### Engineering Tools

1. Multi-project engineering
2. Ladder programming / Function block programming

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# PROJECT EXPERIENCE

## Tingkas WTP & Petian Booster Pumps Station
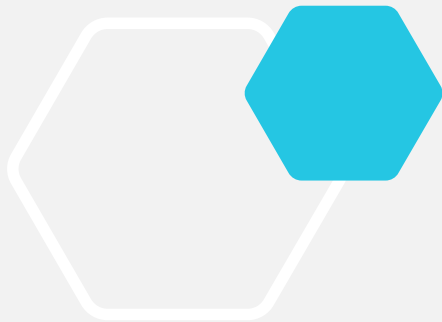*Scrapper & Redundancy Booster Pumps control*

### Hardware Used
1. OMRON – CJ2M

### Common default settings
1. OMRON PLC settings
2. I/O modules set-up and properties

### Engineering Tools
1. Multi-project engineering
2. Ladder programming / Function block programming

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# PROJECT EXPERIENCE

## Stacker Monitoring, Balingian Power Generation

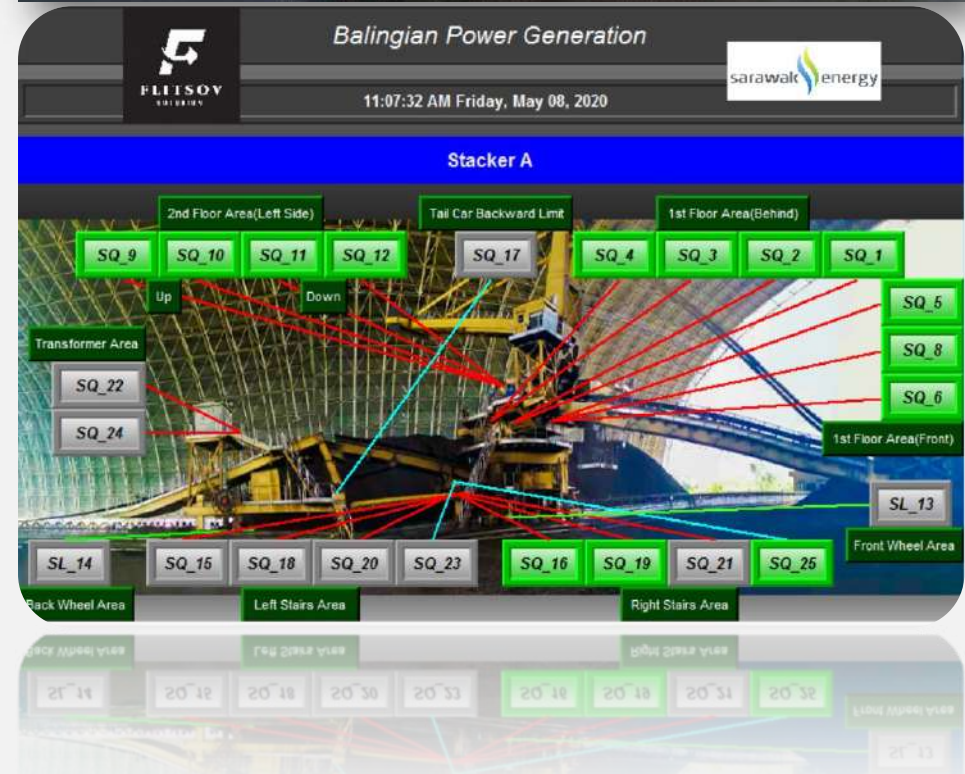*Stacker & Reclaimer control system*

### Hardware Used
1. Allen Bradley – CompactLogix PLC
2. FactoryTalk ME HMI

### Common default settings
1. AB PLC Setting
2. I/O modules set-up and properties

### Engineering Tools
1. RSLogix PLC Software
2. FactoryTalk View Plus

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# LATEST PROJECTS

| No. | Customer | Year | Work |
|-----|----------|------|------|
| 1 | Loji Rawatan Enapcemar Gunung Semanggol, Perak | 2025 | Scada & PLC control system |
| 2 | Skim Pembetungan Putatan Fasa 1, Sabah | 2025 | Scada & PLC control system |
| 3 | Sandakan Sewage Treatment Plant, Sabah | 2025 | Scada & PLC Control system |
| 4 | Balai Ringin Raw Water Intake, Serian | 2025 | Scada & PLC Control system |
| 5 | Matadeng Booster Station, Mukah | 2025 | HMI & PLC Control system |
| 6 | Collins Aerospace, Subang | 2025 | Scada & PLC Control system |
| 7 | Kota Marudu Sewage Treatment Plant, Sabah | 2024 | Scada & PLC Control system |
| 8 | Tinjar Water Treatment Plant, Miri | 2023 | Scada & PLC Control system |
| 9 | Press Metal Bintulu, Bintulu | 2022 | Scada & PLC Control system |
| 10 | Tingkas RWI & Petian Booster Pumping Station, Mukah | 2021 | PLC Control system |
| 11 | Kundasang Water Treatment Plant, Sabah | 2021 | PLC & SCADA (Telemetry System for total of 7 remotely control pump house) |
| 12 | Basong Water Treatment Plant, Mukah | 2019 | Scada & PLC Control system |

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# THANK YOU

Flitsov Solution Sdn. Bhd.

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