



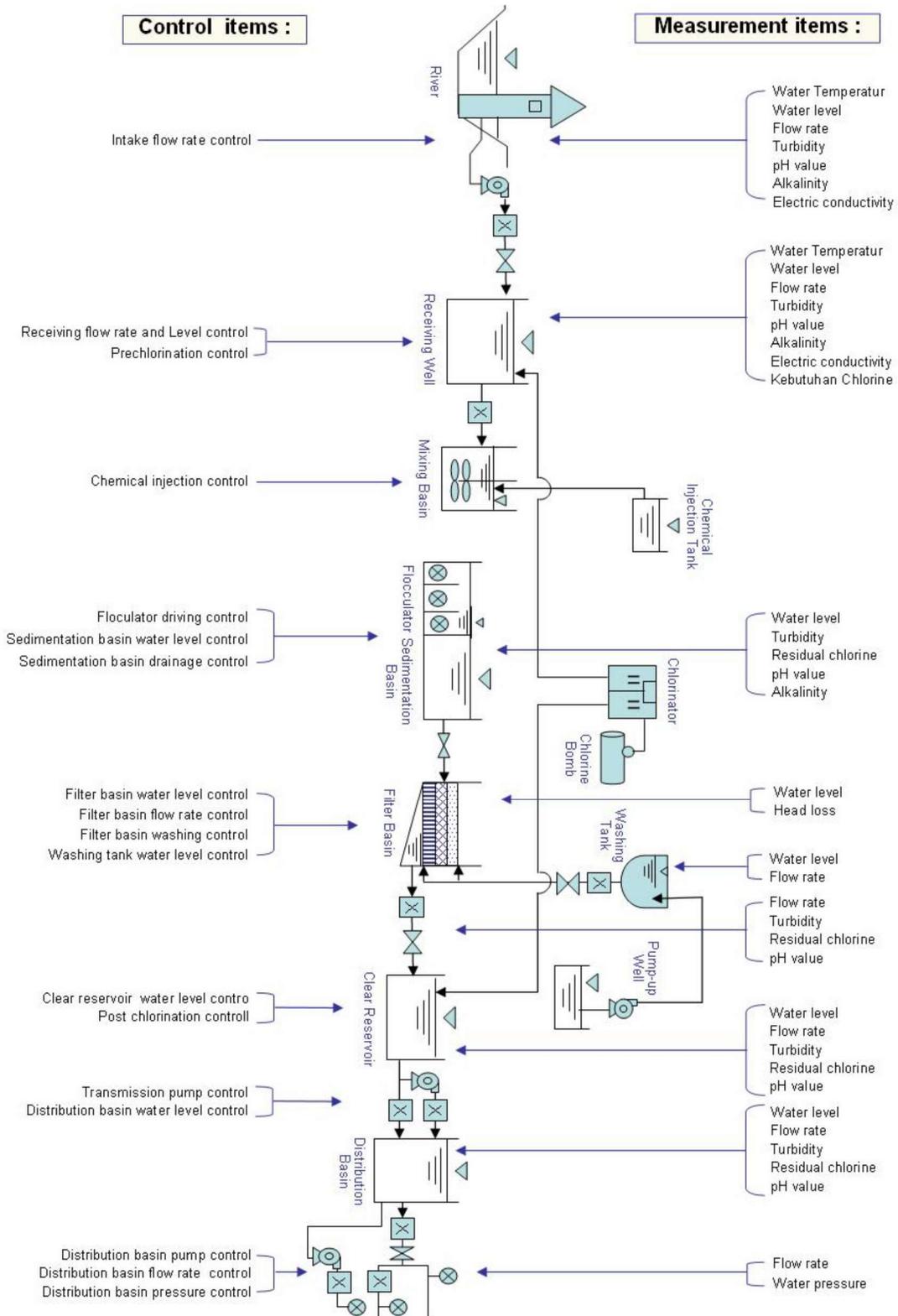
SCADA System Panel

Description

The SCADA System Panel is a technology-based control and monitoring solution designed to integrate, monitor, and manage industrial processes in real-time. This system leverages a graphical user interface (HMI) to enable operators to monitor process data, control equipment, and access reports and analytics remotely through a connected network.

Advantages Over Other Systems

- 1. Real-Time Monitoring:**
Provides live process data with user-friendly visualization, aiding in prompt decision-making.
- 2. Remote Access:**
Enables monitoring and control from anywhere via internet-connected devices.
- 3. Data Logging and Analytics:**
Records operational data for performance analysis, failure prediction, and process optimization.
- 4. Operational Efficiency:**
Minimizes manual intervention, enhancing system efficiency and accuracy.
- 5. Modular and Flexible:**
Compatible with various devices and communication protocols (MODBUS, PROFIBUS, Ethernet).
- 6. High Security:**
Features user authentication and protection against unauthorized access.
- 7. Improved Uptime:**
Reduces downtime through automated monitoring and early warnings for technical issues.





How It Works

1. Data Collection:

Sensors or PLCs (Programmable Logic Controllers) collect data from field equipment (temperature, pressure, flow, etc.) and send it to the SCADA system.

2. Processing and Storage:

Data is processed and stored by an RTU (Remote Terminal Unit) or SCADA server for analysis.

3. Supervision and Control:

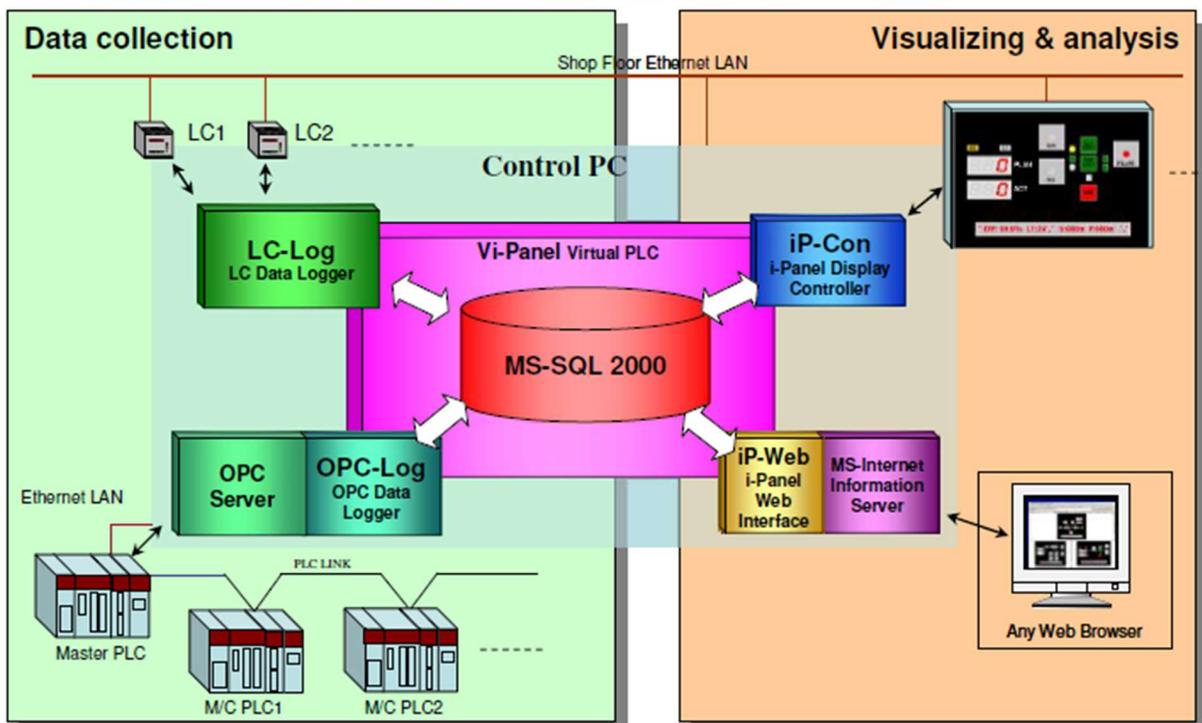
Operators monitor process parameters via the HMI (Human Machine Interface) and can adjust system controls as needed.

4. Alarms and Notifications:

The system automatically issues alerts if operational parameters exceed preset limits.

5. Remote Access:

Data and controls are accessible via networks, allowing access from computers or mobile devices.





Example Specifications

1. Hardware:

- CPU: Intel Core i5/i7
- RAM: 16 GB DDR4
- Storage: 512 GB SSD
- Communication: MODBUS RTU/TCP, Ethernet, RS485
- Power Supply: 24V DC
- Panel IP Rating: IP54/IP65

2. Software:

- SCADA Software: Wonderware, WinCC, Ignition SCADA
- Protocols: OPC-UA, MQTT
- Tag Capacity: Up to 10,000 Tags

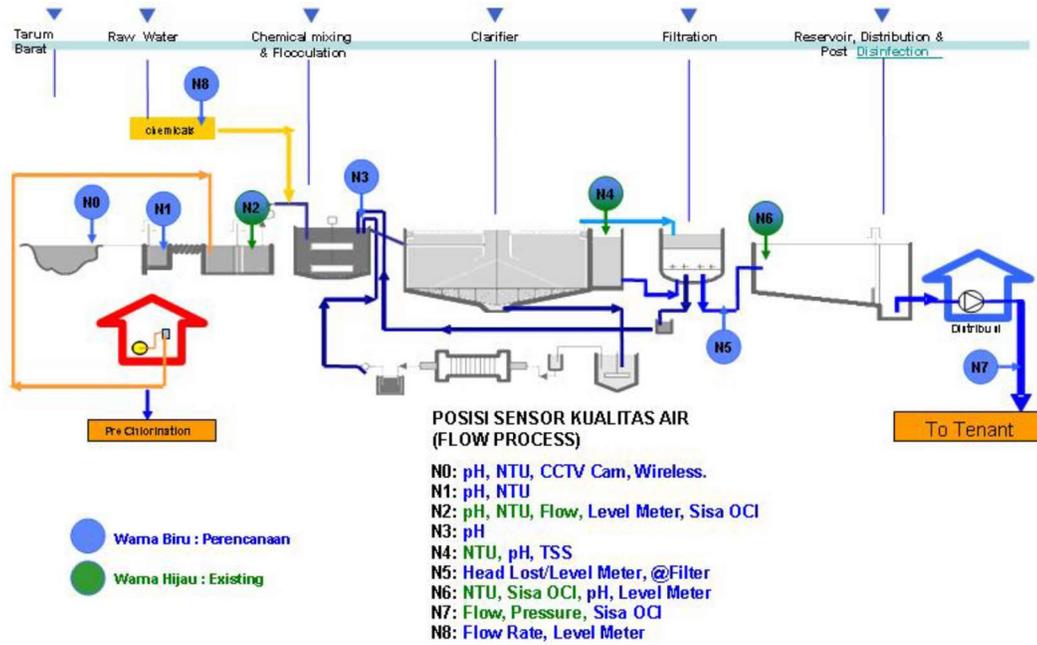
3. Additional Features:

- 10-15 inch Touchscreen Display
- USB Port for Data Export
- Multi-level Authentication Security



Applications

- Water and Waste Management
- Manufacturing Industry
- Power Generation
- Oil and Gas
- Transportation and Logistics



Our Product Advantages

- Ergonomic and durable design
- Responsive after-sales support
- Comprehensive technical assistance and training





INQUIRY

OMRON (PLC + SCADA + PC + PANEL)						
Item	Model	Type	Voltage/Ampere	Quantity	UNIT PRICE (IDR)	TOTAL PRICE (IDR), Exc PPN
Power Supply PLC	CJ1W-PA202		220VAC	2	6,500,000	13,000,000
CPU	CJ2M-CPU3x			1	84,500,000	84,500,000
Digital input	CJ1W-ID2xx		24VDC	8	11,050,000	88,400,000
Digital Output	CJ1W-OC2xx	relay	24VDC/220VAC	7	9,100,000	63,700,000
Analog Input	CJ1W-AD0xx		4-20mA	3	22,100,000	66,300,000
Analog Output	CJ1W-DA0xx		4-20mA	3	22,164,480	66,493,440
Expand module + cable	CJ1W-Ix101			1	23,400,000	23,400,000
SCADA	CX-SUPERVISOR-RUN-PLUS-V4	run-time		1	117,000,000	117,000,000
Power Supply 24VDC	S8VK-G48024		220VAC	1	13,000,000	13,000,000
PC SET	CI7 RAM 16GB SSD 256GB			1	39,000,000	39,000,000
PROGRAMMING SERVICE		LOT		1	36,400,000	36,400,000
Panel + Accessories (MCCB, MCB, Relay, Duct, Din Rail, Fan, Terminal, Bus bar, Cable,service		LOT		1	83,577,000	83,577,000
					TOTAL	694,770,440



SCHNEIDER (PLC + SCADA + PC + PANEL)						
Item	Model	Type	Voltage/Ampere	Quantity	UNIT PRICE (IDR)	PRICE (IDR), Exc PPN
CPU	TM251MESx			1	6,500,000	6,500,000
Memory card	TMASD1			1	84,500,000	84,500,000
Digital input	TM3DIxx		24VDC	8	11,050,000	88,400,000
Digital Output	TM3DQxx	relay	24VDC/220VAC	7	9,100,000	63,700,000
Analog Input	TM3AIx		4-20mA	3	22,100,000	66,300,000
Analog Output	TM3AQx		4-20mA	5	22,164,480	110,822,400
expand module + cable	TM3Xxxx1			1	23,400,000	23,400,000
SCADA		run-time		1	162,500,000	162,500,000
Power Supply 24 VDC	S8VK-G48024		220VAC	1	13,000,000	13,000,000
PC SET	CI7 RAM 16GB SSD 256GB			1	39,000,000	39,000,000
PROGRAMMING SERVICE		LOT		1	36,400,000	36,400,000
Panel + Accessories (MCCB, MCB, Relay, Duct, Din Rail, Fan, Terminal, Bus bar, Cable, service)		LOT		1	83,577,000	83,577,000
					TOTAL	778,099,400

DENUÏRO

DITANT ENVIROMENT

SCADA SYSTEM

Precision Control,
Exceptional
Efficiency

