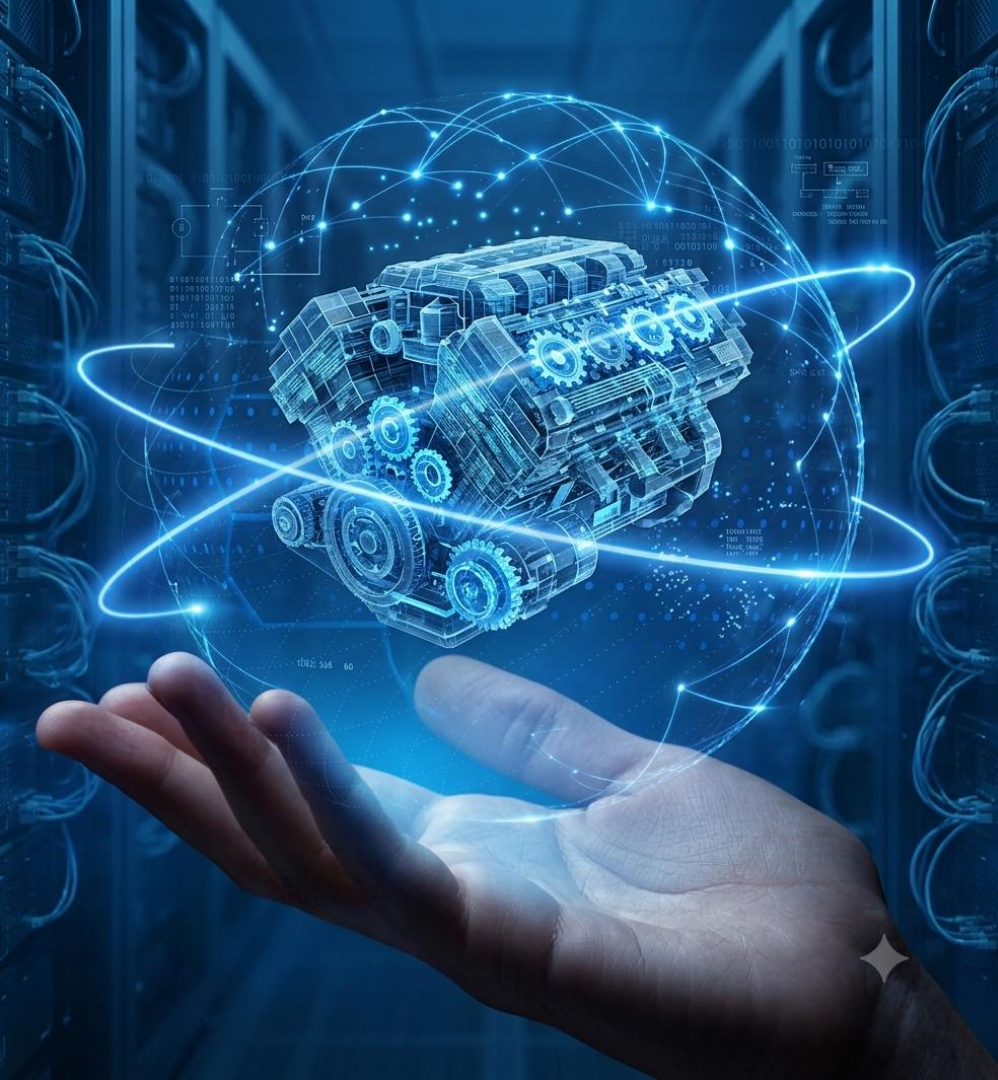




INFOTROL

Process Automation Solution

What is IPOES?

IPOES, a process automation system developed by
INFOTROL Technology Co., LTD

IPOES is the top player of process automation
solution in terms of integration and duration over
other major competitors

IPOES offer several advantages:

Operational Efficiency

Facilitates safe, stable and efficient operations

Labor Reduction

Decreases labor intensity for operators while ensuring safety

Continuous Optimization

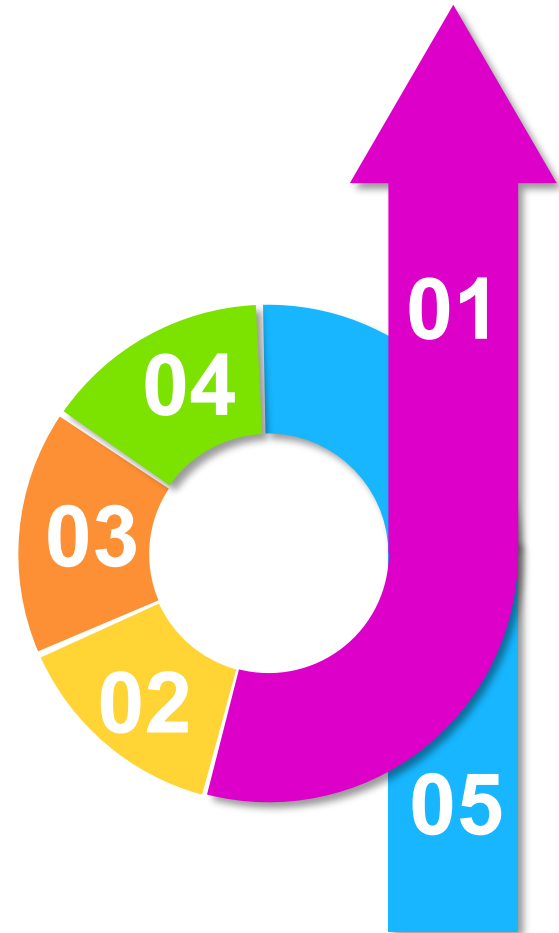
Enhances operation procedures by integrating process conditions and operational experiences, thus improving process efficiency

Real-Time Monitoring

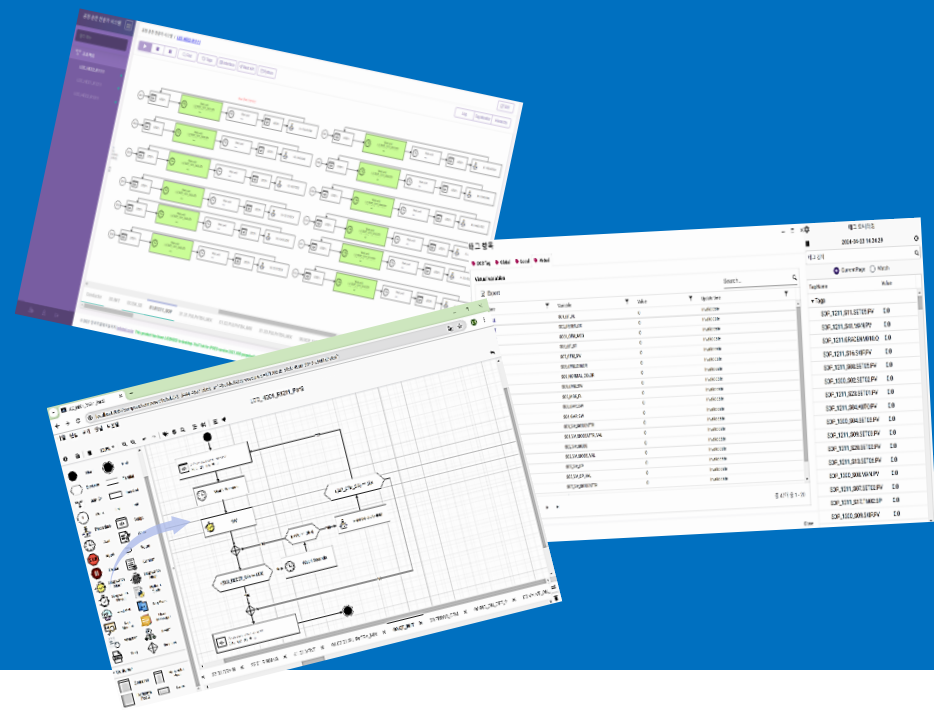
Provides real-time monitoring and early warning for process abnormalities

Market Leadership

Stand out as the top player in process automation solutions, exceling in integration and duration compared to major competitors



IPOES : Web version



01 Web based System

- Able to write, execute, modify, and monitor on the web
- Separate editor and viewer for access control based on authority
- Operates on both PC and mobile by applying standard web technology

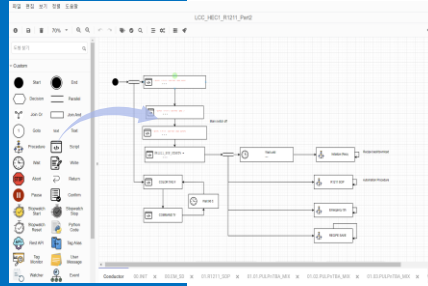
02 Connectivity

- Interlinked with Honeywell PHD, Aspen IP21, Dataparc, OSI PI
- Simultaneous access to OPC DA, RDB, RTDB, Excel, etc

03 Scalability

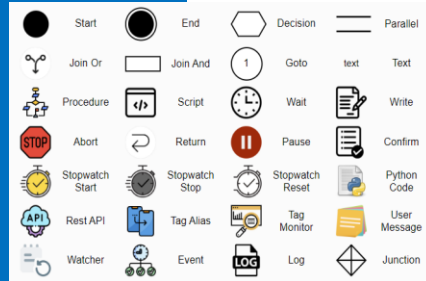
- Functionality can be extended by connecting various Web API
- Perfect intergration with INFOTROL APC solutions (INFOTROL-MPC , HPCB) and AI vision control to achieve fully automatized system

Visual Modeling



Drag & Drop

Drag & Drop without writing a code



Shapes

IPOES contain shapes that provide the various functions needed to create logic

```
Script
1 //RAMP TIMER < RAMP TIME PROTECTION
2 BRT_TARGET = ((IF RAMP_TIMER >= BRT_TARGET+US_JUST_BEFORE_RAMP_TIME, BRT_TARGET)
3 INIT_TARGET = ((IF RAMP_TIMER >= BRT_TARGET+US_JUST_BEFORE_TIME, ROUND(BRT_TARGET,1))
4
5 //CALCULATE
6 SP_PV = BSP_PV
7 REST_OF_TIME = TIMERDIFF(TIMESEC(INIT_RE_TARGET,RAMP_TIMER)
8 MSP = ((INIT_SP_TARGET-SP_PV))/REST_OF_TIME
9
10 //WHEN VALUE CHANGE
11 $VALUE_CHANGE = B
```

Utilize functions

IPOES contains mathematical, logical functions, allowing users to create intricate expressions

IPOES : Integration

The IPOES system can seamlessly integrate with other INFOTROL solutions, acting as the central hub for all operations. This integration facilitates complete automation of the operational process. Furthermore, IPOES dynamically adjusts control parameters in response to changing operating conditions.

