

TOSHIBA

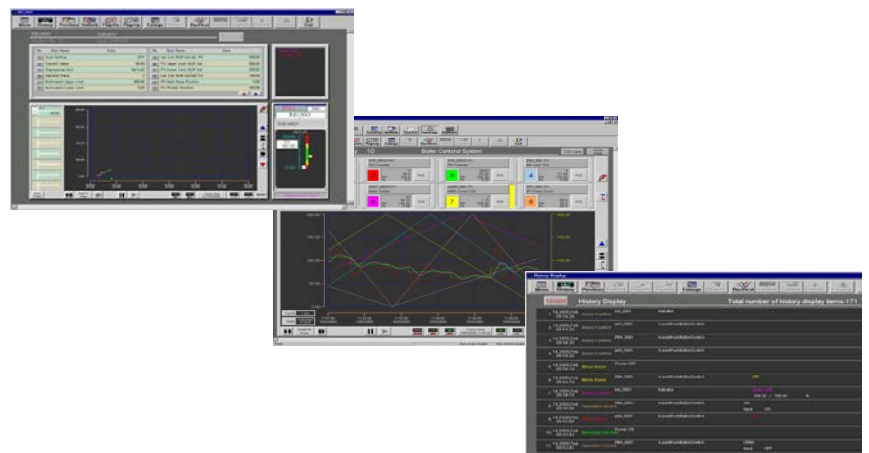
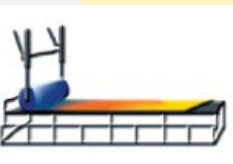
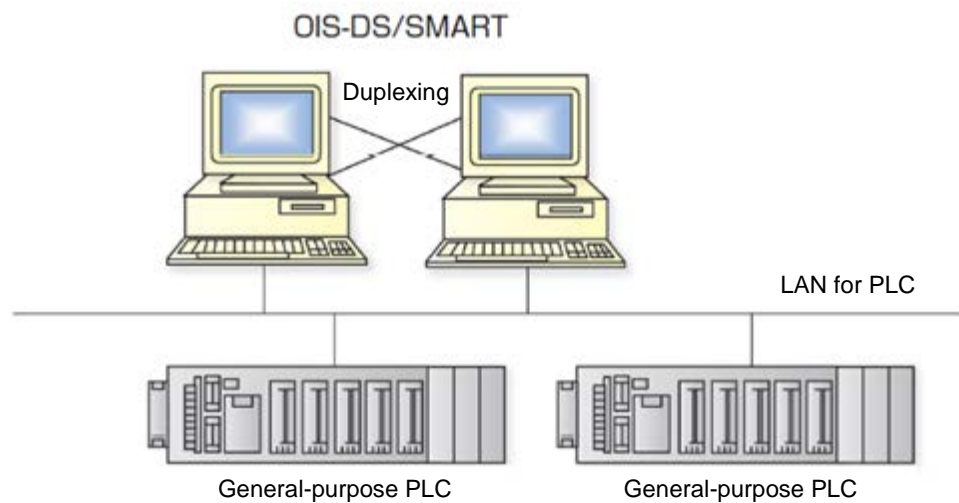
Leading Innovation >>>

OS TOSDIC-CIE

OIS equipped with SCADA function “OIS-DS/SMART”

Applying a full-fledged HMI for DCS to small-scale system

- Tag-based monitoring
- Abundant tag instrument displays
- Detailed alarm grade setting
- Alarm filtering by signal category
- History Display with advanced search function
- Easy online engineering
- Support for duplexing



Toshiba Group contributes to
the sustainable future of planet Earth.



Features

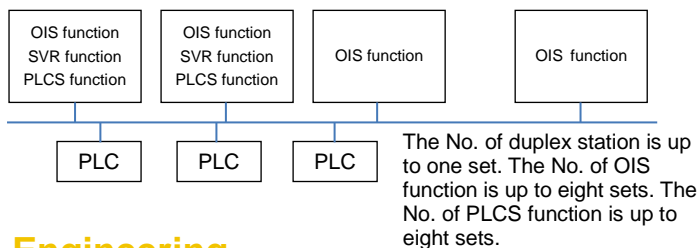
OIS-DS/SMART is an HMI equipped with SCADA functionality that enables monitoring of the control state of a PLC (Programmable Logic Controller), information processing and operation from the screen of a single PC.

OIS-DS/SMART broadly consists of three types of functions:

- 1) OIS function (screen processing)
Operators operate this function to monitor the plant and system, it includes displays of system status, alarm summary, tag groups, trend screens and graphics screens.
- 2) SVR function (background processing)
Operators operate this function to monitor the plant and system, it includes displays of system status, alarm summary, tag groups, trend screens and graphics screens.
- 3) PLCS function (PLC connection function)
Information from PLCs (including MELSEC T3H, integrated controller L1/S2 and one loop controller LC531), is managed as tag data, which can be monitored through the trend/group screens. Tag data notifies occurrence/recovery of process alarms, which can be monitored via the alarm summary, auto window and history displays.

System configuration

Duplexing ensures high reliability of SVR function/PLCS function of OIS-DS/SMART. System monitoring through multiple screens can be achieved by connecting OIS-DS/SMART, in which only the OIS function is running, on the same LAN.



Engineering

OIS function, SVR function and PLCS function are set by the engineering tools to run. No operation such as initialization is necessary to enable changes using engineering tools, which allows confirmation of the changes right there and then, leading to the improvement of engineering efficiency.

Application interface

An Application interface is available to access the tag data managed by PLCS function and trend data managed by SVR function. Application interface can offer VC++ and VB, and specifying tag data or trend data in the system by tag number or name of historical tag can provide access without awareness of the PLC.

PLC control tag

By forming tag parameters in PLC, PLC can manage the process alarm and control PID processing (using PID instruction in PLC). These tag parameters can be adjusted through the point screen on OIS-DS/SMART.

Specifications

Supported OS			Windows®XP SP2 or higher (32bit)
Tag point			4000 tags
Type of tag	Analog	PLCS tag	INDp, PF1p,SETp, DB1p, DB8p
		PLC control tag	INDs, PFIs, PIDs
		L1 tag	INDe,TTLe,PIDe,SP1e,Mae,RSe,DB1p,DB8p
	Digital	PLCS tag	PB2p,PB4p,PB8p
		PLC control tag	-
		L1 tag	PB3e
No. of stations			The No. of duplex station is up to one set. The No. of OIS function is up to eight sets. The No. of PLCS function is up to eight sets.
Historical trend			Tag point: 1250 points; Collection interval: 1 minute - 1 day; No. of stored points: 64000 points/tag
Real-time trend			Tag point: 512 points; Collection interval: 1 second-1 minute; No. of stored points: 720 points/tag (Long storage: 24 hours for all periods)
PLC data collection (No. of detected changes)			Digital: 100 tags/second Analog: 1024 points/second
Supported PLC			PROSEC T3H, MELSEC, SYSMAC OPC connection, integrated controller L1, S2 one loop controller LC531
Standard screen			System status, alarm summary, guidance, group, point, trend, real-time trend, history, tag search, auto window etc.
Application interface			Access tag data and historical data managed in OIS-DS/SMART using VC++ and VB
Recommended PC spec			PentiumIV 1.6GHz: memory: 512M or more
Network	LAN for OIS		Ethernet
	LAN for PLC		Ethernet (Sharable with LAN for OIS) MELSECNET/10, H (for MELSEC) ControllerLink (for SYSMAC)
	Information LAN		For printer output
	Duplex control LAN		Essential for duplex (Sharable with information LAN)

- PLC (Programmable Logic Controller) is a high-speed logic unit programmable in accordance with the intended use.
- MELSEC and MELSECNET are registered trademarks of Mitsubishi Electric Corporation.
- SYSMAC is a registered trademark of OMRON Corporation.



Notes

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