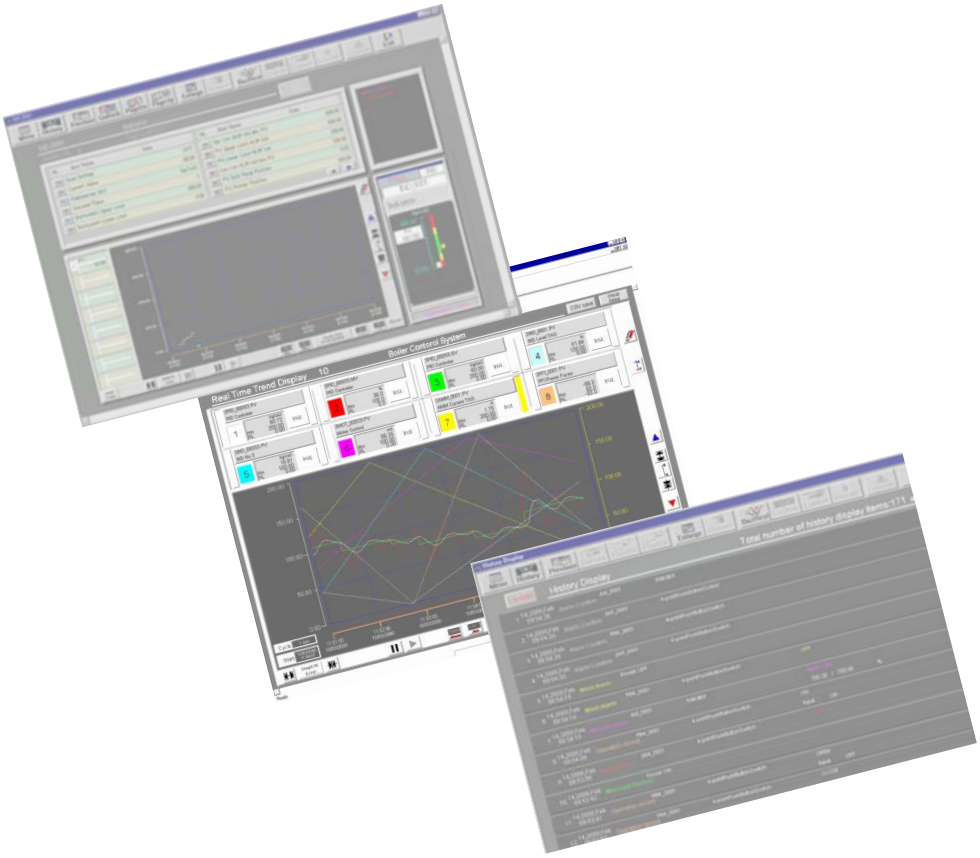
TOSHIBA

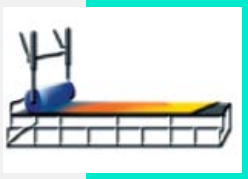
Leading Innovation

TOSDIC-CIE DS

# OPC-supported system

## Provide data sharing function between control system and information system





An integrated control system TOSDIC-CIE DS as “OPC-supported system” can achieve smooth linkage between control system and information system.

The use of industrially-standardized OPC (OLE for Process Control) allows you to acquire data in control system online in real time and to easily change data values in control system through information system.

For your information, “OPC-supported system” can run in the environment in which OLE can be used.

TOSHIBA eco style

Toshiba Group contributes to the sustainable future of planet Earth.

# Effective use of data can support efficient system development.

## Achieve smooth data sharing between control system and information systems

Online, real time data acquired in the control system can be directly transferred to the information system and data values passed down to the control system without requiring a dedicated device and data input/output program for the control system.

## Save a lot of time and effort for development by reusing data

The reuse of data from the control system in production systems and MES applications establishes an efficient and close linked environment. Programs prepared as OPC client programs can be used in other OPC-supported systems, greatly reducing time and effort in system-to-system development. For example, these can be effective in the following scenarios:

**●Change the setting values via intranet**

Changes in the values set in control system in accordance with changes in the production plan can be made via intranet.

**●Centralized management of the production system**

Key data, particularly data related to the quality, can be centrally managed through multiple control systems.

**●Analyze and forecasting data trend**

The trend of control-related data can be analyzed or forecasted in real time.

## Available data access

The tag data within TOSDIC-CIE DS can be read synchronously or asynchronously and refresh and data change notification are available. Data can be written synchronously or asynchronous.

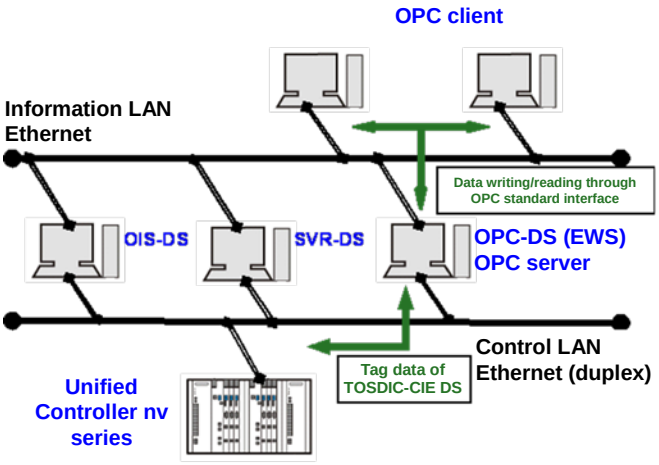
TOSDIC-CIE DS data includes the following: process tags, system tags and parameter tags.

●Microsoft, Windows, ActiveX, COM, OLE, Visual Basic and Internet Explorer are registered trademarks of the Microsoft Corporation in the United States and in other countries.

●The formal name of Windows is Microsoft Windows Operating System.

## Example of system configuration

With OPC-DS installed, TOSDIC-CIE DS provides a system supporting the OPC standard for data access of control systems. The available OPC function is Data Access Ver2.0 OPC client program which can be easily configured by the user.




## ●Operating environment of OPC-DS

| | |
|---|---|
| OS | Windows NT 4.0 SP2 or higher |
| CPU | Pentium Ⅱ (300MHz) or higher |
| Main memory | 64MB or more |

●For the construction of OPC-DS, Open Network Support (ONS) package software and OPC support software need to be installed.

●For the use in ActiveX container (including Visual Basic program and Internet Explorer) on a client-side computer, OPC Automation Wrapper interface is required (which is provided by OPC-Foundation).

●OLE (Object Linking and Embedding): A method to pass the data of the object among multiple applications.

●COM (Component Object Model): An interface protocol between objects introduced by Microsoft Corporation.

●MES (Manufacturing Execution System): A planning/management system for production.

## Notes

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