TMODG

TMEIC Online Data Gathering system

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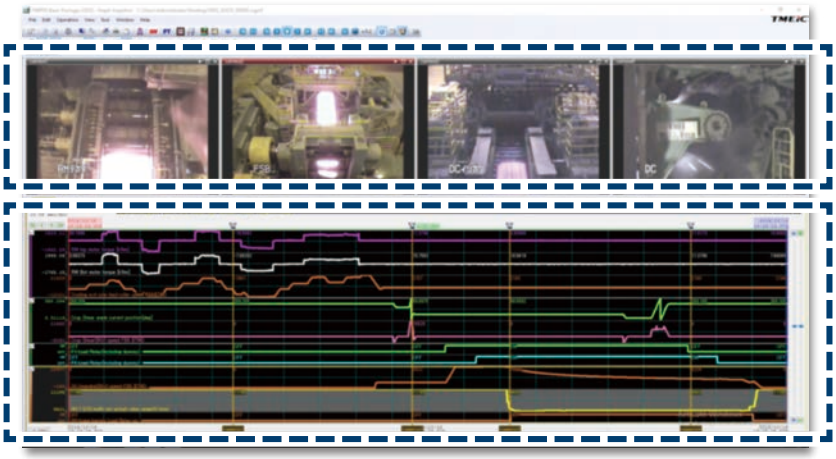
In addition to the high-speed data acquisition and graph display functions, capturing ITV camera streams and displaying them in synchronization with the collected data, and viewing all from the web browser can also be easily realized. This helps to understand the situation of the plant from increased variety of devices than ever before.

Video Playback (VPB) function

User will be able to check the collected data and system behavior synchronously, and save time for troubleshooting, quality improvement, and productivity improvement.



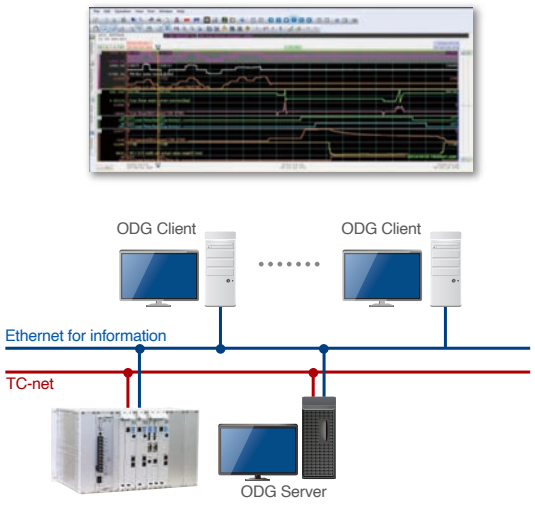
- **ITV camera streams** (4 camera display) system behaviour
- **Current ODG graph** collected data

Integrated ITV camera streams & ODG graph

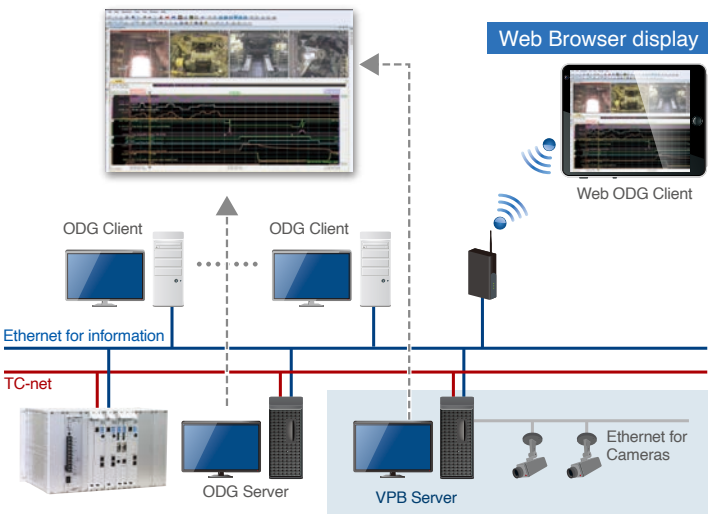
- ITV camera streams playback in synchronization with time position indicating cursor.
- Play/Reverse/Frame feed/Slow
- Video snapshot
- Add drawings & line on live Video
- Enlarge video image
- Convert to mp4 file

Adding the VPB sever into the existing ODG system allows ITV camera streams displayed in synchronization with the existing ODG collected data.

Existing system



After VPB server is added



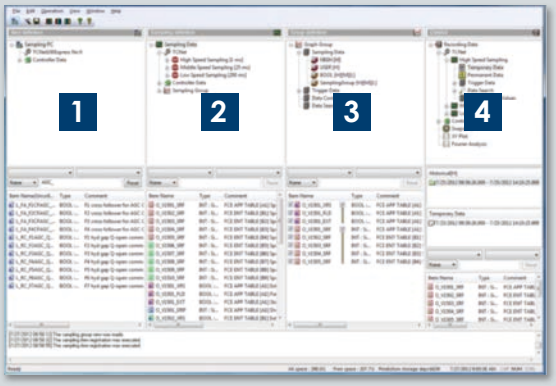
Web browser display function

The collected data is displayed on your PC, tablet, smartphone or any other devices.
ITV camera streams can also be displayed synchronously.

Linkable to TMASCA※(TMEIC Web base HMI)
※TMEIC Advanced SCADA

MMI screen

User can easily select the data Item and set trending group by MMI screen.



1 Item definition

User can import the nV-Tool export file.

2 Sampling definition

Defined by dragging and dropping from the Item definition.

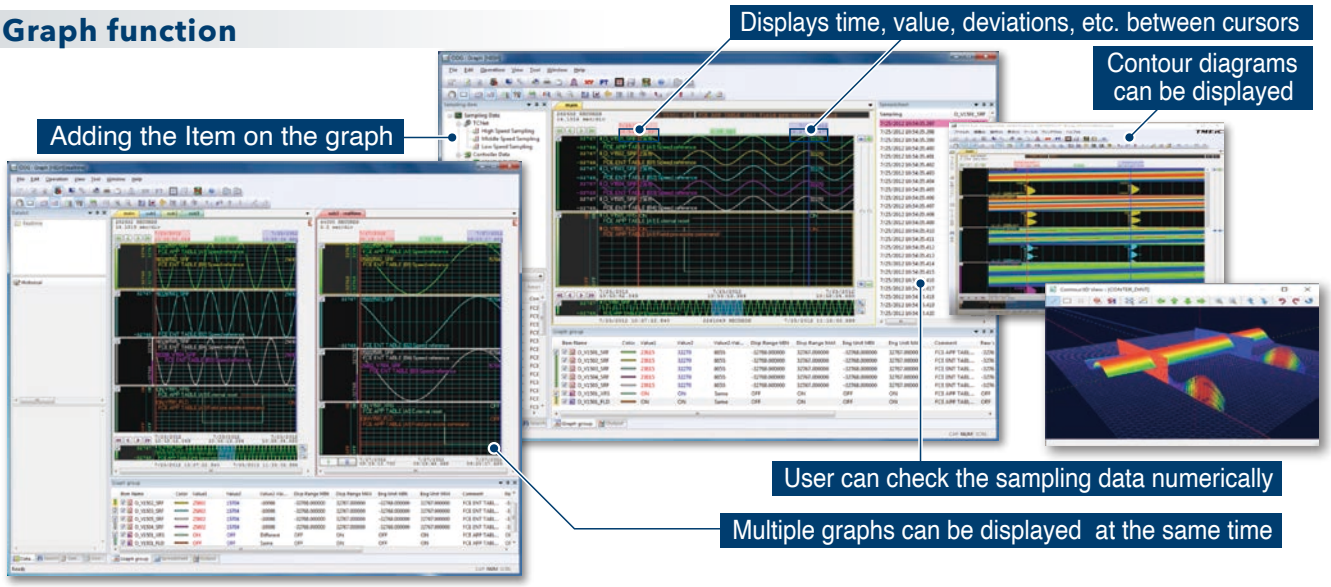
3 Group definition

Defined by dragging and dropping from the Sampling data definition. You can divide graph group folders.

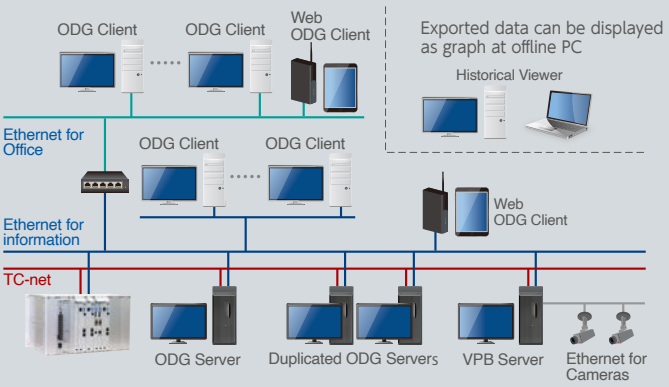
4 Datalist

Various operations such as data search and export are possible on Datalist.

Graph function



System Configuration (Large-scale)



Item	Specification
Camera	Network camera(RTSP), Analog camera Video encoder GigE vision camera
Video format	MPEG-4　H.264
Synchronous ODG items	MAX 2,000 items
Recording days	7 day (HDD:2TB, 4 cameras)
Number of cameras	MAX 128
Number of clients	MAX 128
Number of servers	MAX 32
Network	TC-net 1G, TC-net 100 Ethernet, ONS, OPC
OS	Windows Server 2019/2016(64 bit) Windows 10/7(64 bit)
Web browser	Google Chrome

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⚠PRECAUTIONS

Read the entire "Instruction Manual" carefully for important information about safety, installation, operation, and maintenance.

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