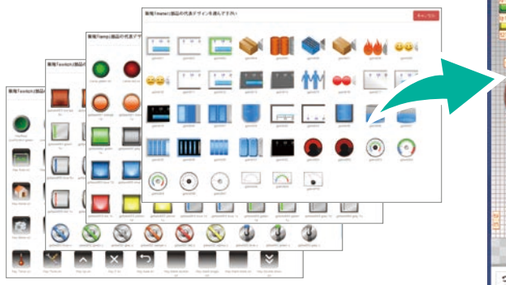
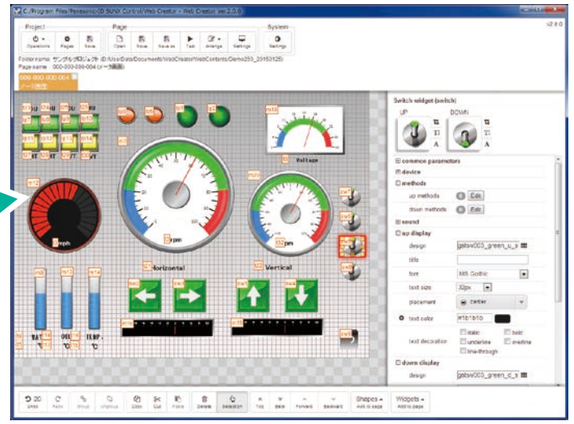
Webpage authoring tools

This is a graphics creation tool that allows you to easily design Web content that is published by the **FP7**. You can creatively design content by arranging Web components such as switches, lamps and meters on the screen and then setting the properties. Your content will be linked to information in the PLC without needing any knowledge of HTML.

Control Web Creator

Just drag and drop from a rich selection of web components!

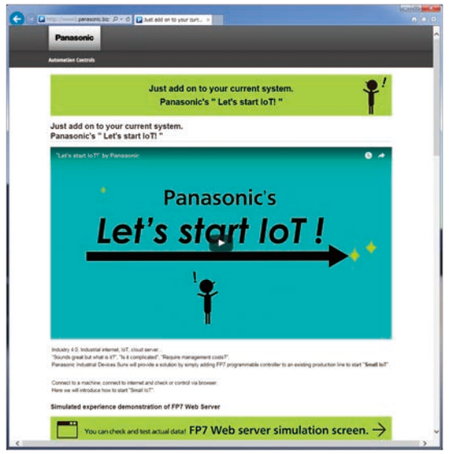




- **Same style of operation as the program display image creation tool**
- **Components can be arranged by dragging and dropping.**
- **Detailed component settings are easy using properties.**
- **Components don't lose quality when enlarged or reduced, and you can color them as desired.**
- **Images can be pasted in.**

* New version released May 2016!

More information available on special page!



Proposed by Panasonic Industrial Devices SUNX
"Let's Start IoT" Cases introduced by video and a hands-on simulation website!
For people who don't know where to begin with Industry 4.0 and IoT, check out how easy the first steps are.

Visit the dedicated site here!
http://industrial.panasonic.com/ac/e/fasys/special/iot/index.jsp

You can also try the simulated smartphone experience.

2016.09 | panasonic.net/id/pidsx/global

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Panasonic

Built-in Web Server Functions
Programmable Controller
FP7 SERIES

Let's Start IoT!
Idea Book

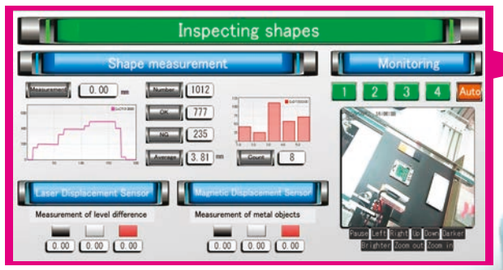
2016.09 | panasonic.net/id/pidsx/global

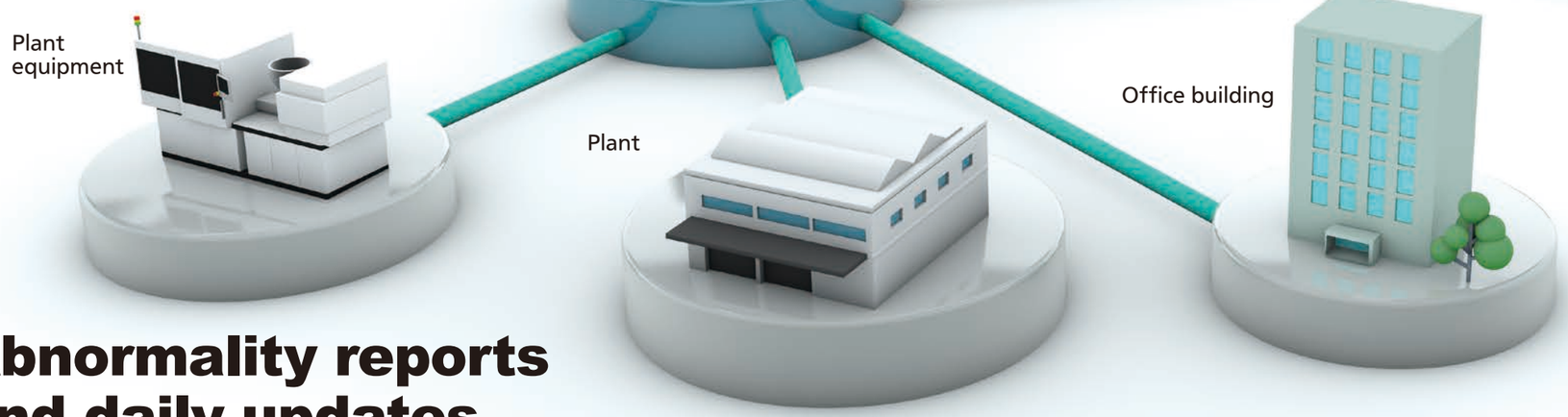
Let's Start IoT!

**Industry 4.0, Industrial internet, IoT, Cloud Server...
"Oh wow. What should we do?" "Seems like a lot of trouble." "What about the admin costs?" Addressing your concerns, Panasonic Industrial Devices SUNX proposes a first step for you: start by simply connecting a Programmable Controller FP7 to existing equipment or production lines.**

Built-in web server functions
Programmable Controller **FP7**

Because you can construct your own webpage using the web server functions built in to the **FP7**, you can easily visualize information just by connecting the **FP7** to the Internet.





Easy visualization on a webpage

Simply access the webpage set on the **FP7** using a browser on a computer or smartphone. Graphics allow you to check the site situation.

Real-time remote monitoring

Using the Internet and mobile routers, etc., you can supervise and control widely distributed equipment via a computer or smartphone.

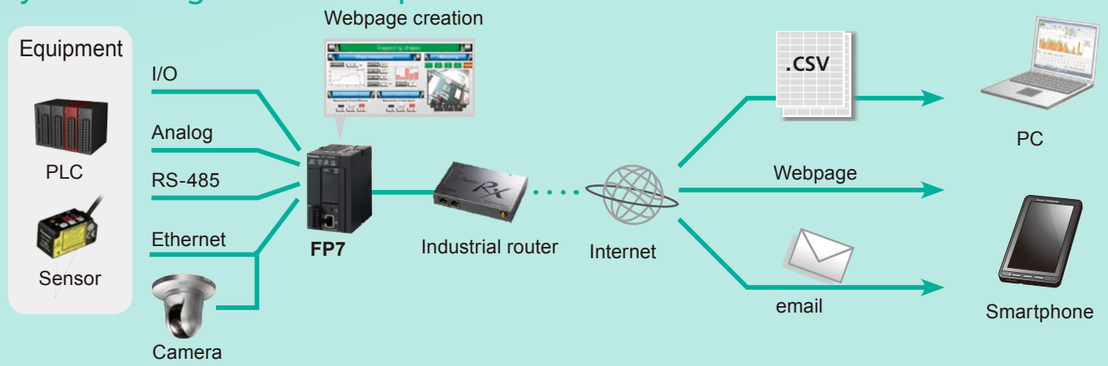
Abnormality reports and daily updates

Early detection of abnormalities, trouble status reports can be sent by email. Dispatch to site after considering corrective measures.

Date storage and preventative maintenance

Just by connecting an **FP7** to existing equipment, you can collect data and send it to a computer. This data can help you prevent trouble from happening.

System configuration example



Real-time remote monitoring

Using the Internet and mobile routers, etc., you can supervise and control widely distributed equipment via a computer or smartphone.

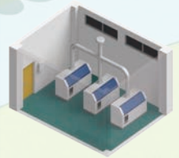
Check production numbers and operating time

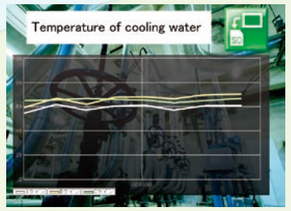
From office:
- Via Andon information displays, check production numbers, utilization, and yield
- Compare operating outcomes of different equipment and facilities

Multi-story car park entry and exit control

From management company:
- Visualization of occupation time and vacant space situation
- Control entry and exit operations while checking camera images

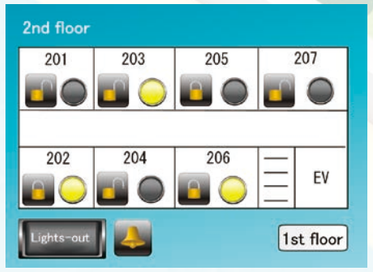
Management of cooling water





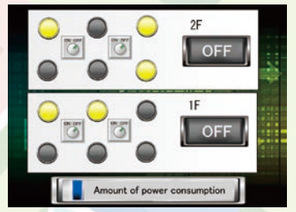
From maintenance room:
- Check cooling water flow and temperature
- Visual alerts for out-of-range set temperature and water level
- Email notification when any abnormality is detected

Residential security watch



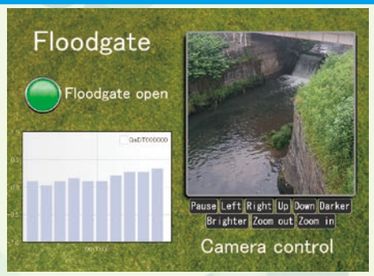
From the supervision office:
- Check room occupancy from door opening/closing and lock state
- Check room temperature and lighting

Control of lighting and air conditioning



From control room:
- Operating status check of lights and air conditioning, on–off control
- Check power consumption

Floodgate monitoring

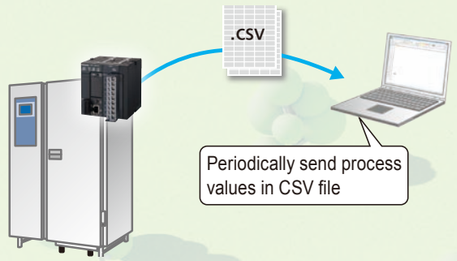


From monitoring room:
- Check water level and water quality
- Check in camera images for floating objects

Date storage and preventative maintenance

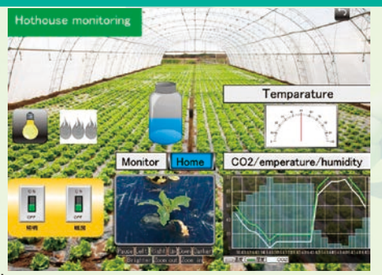
Just by connecting an **FP7** to existing equipment, you can collect data and send it to a computer. Data accumulation allows grasping of trends relevant to preventative maintenance and enables corrective measures to be worked out.

Thermo-regulated chamber data collection



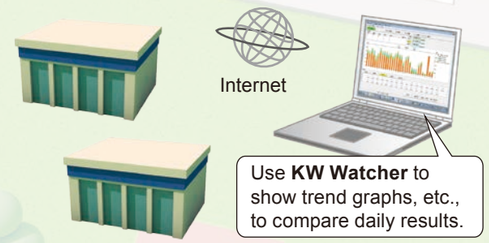
From desk:
- Collect data without having to open the chamber door
- Email notification of process values and test results

Hothouse monitoring



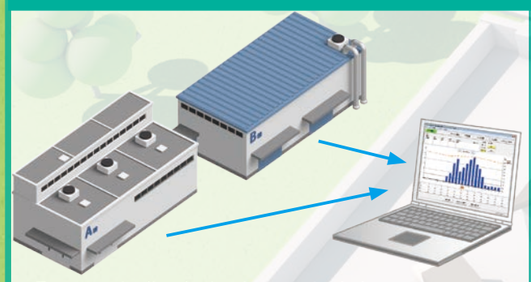
From home:
- Check temperature, humidity, CO_2 concentration
- Email notification of temperature decline
- Control lighting, heating and other equipment from smartphone

Monitor power at each store



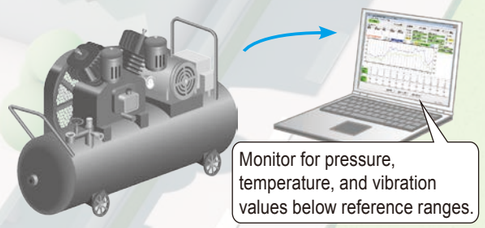
From head office:
- For each store, monitor and collect power data (lighting, air conditioning, refrigeration, etc.)
- By comparing store data, identify which stores need improvement

Equipment and factory power monitoring



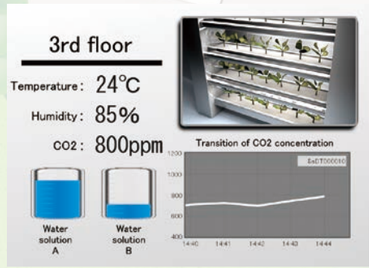
From production technology and admin:
- Collect power data for each piece of equipment and each factory building
- Use "**KW Watcher**" visualization software to check collected data trends

Compressor preventative maintenance



From maintenance room:
- Data logging along with timed monitoring of pressure, temperature, and vibration status
- Display alert when operation duration reaches maintenance interval

Plant factory control



From control room:
- Control operation times of liquid fertilizer pumps, etc.
- Get and store data for light, water, temperature, humidity, CO_2 concentration and pH, etc.