

## Efficiency improvement in debugs and investigations

~ Pass Through/Ladder Monitor ~

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We introduce two functions of Monitouch concerning a PLC in this issue. They are certain to prove valuable.

1. Efficiency improvement with Pass Through
2. Quick condition check on a PLC with Ladder Monitor

### 1. Efficiency improvement with Pass Through

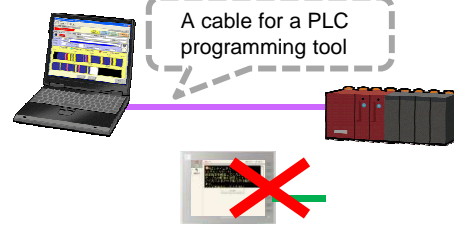
#### BEFORE

In cases where Monitouch is connected to a PLC through the CPU port, it is required to take the cable between Monitouch and a PLC off in order to monitor/modify a ladder program on a PLC programming tool.

<Connection between Monitouch and a PLC>



<Monitoring/modifying a PLC>

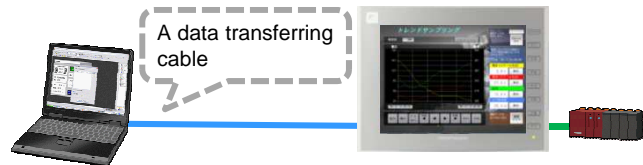


Inserting and removing a cable every time



It is troublesome to insert and remove a cable. I want to debug a Monitouch program with checking on a PLC programming tool.

<Modifying a Monitouch program>



## Using Pass Through function!

#### AFTER

It is possible to access a PLC via Monitouch with a cable connected Monitouch and a PC.



No need to insert and remove a cable!  
It is possible to transfer a program to Monitouch!



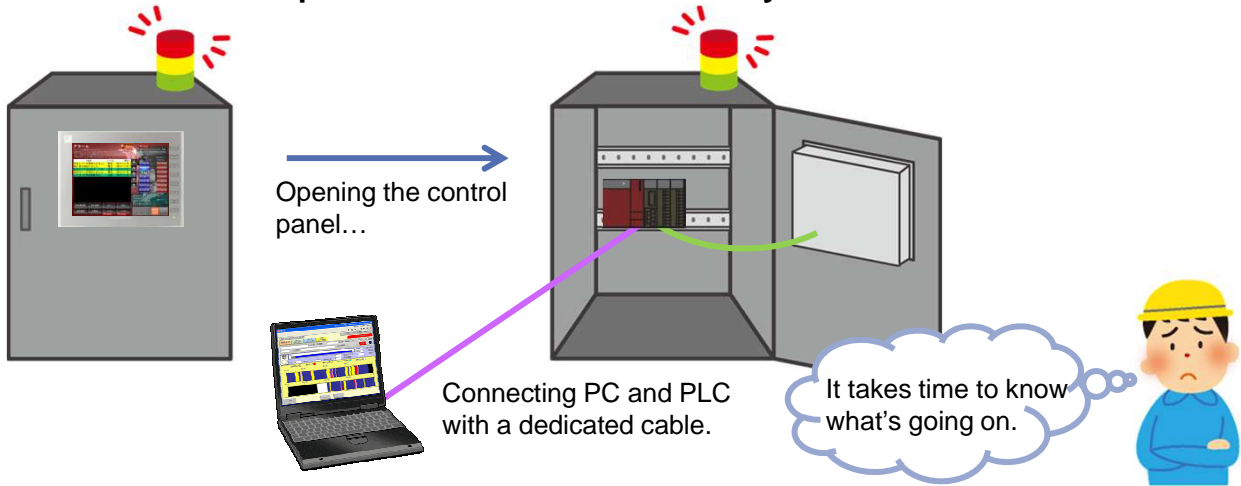
You can debug and modify a program there and then!

\*Refer to "V9 series Reference Manual 2" regarding supported PLC models.

2. Quick condition check on a PLC with Ladder Monitor

**BEFORE**

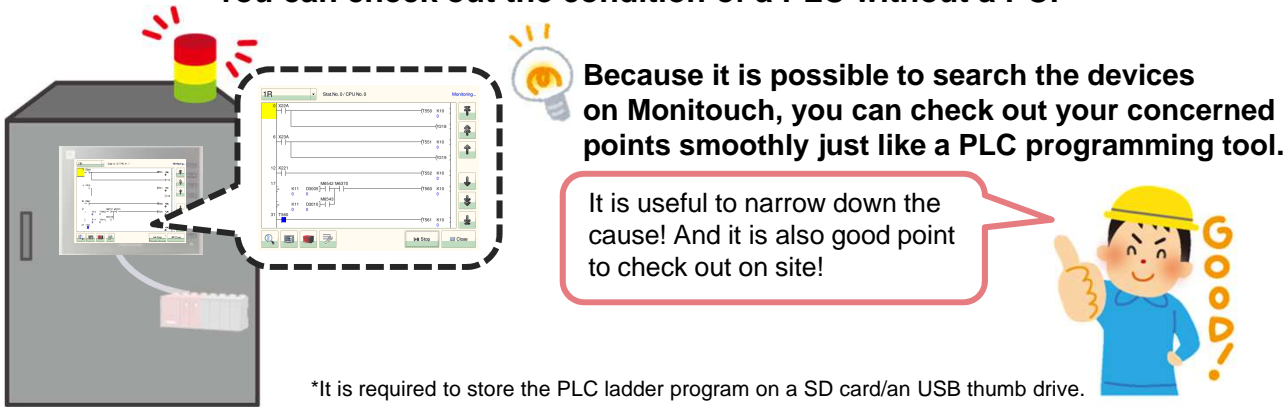
Maintenance workers need to prepare an environment for connecting a PC and a PLC in order to check out the condition of a PLC when a problem occurs with machinery.



**Using Ladder Monitor function!**

**AFTER**

No need to open and close the control panel because it is possible to display a ladder program on Monitouch!  
You can check out the condition of a PLC without a PC!



\*It is required to store the PLC ladder program on a SD card/an USB thumb drive.  
\*Refer to "V9 series Ladder Monitor specifications" regarding supported PLC models.

**Would you like to improve and speed up debugs and investigations using Pass Through/Ladder Monitor function?**

**Hakko Electronics Co., Ltd.**

Overseas Sales Dept.  
TEL: +81-76-274-2144 FAX: +81-76-274-5136  
<http://monitouch.fujielectric.com/>