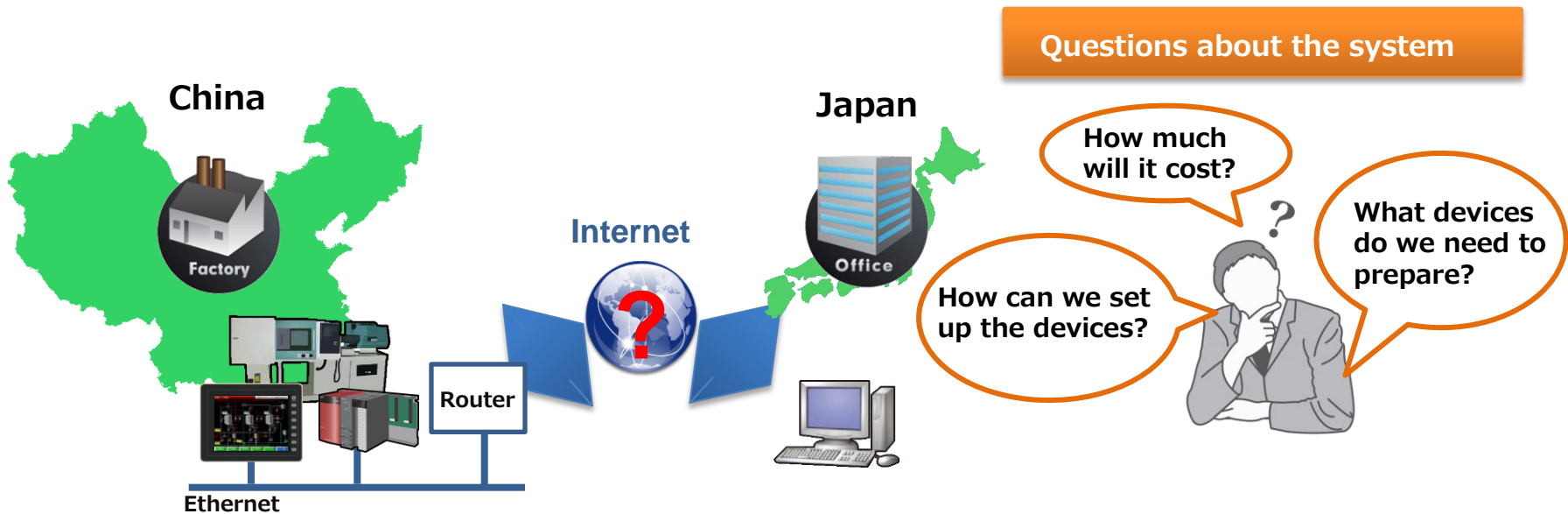


Challenges of remote monitor and maintenance

There are several challenges when you are trying to monitor the system (incl. V8 and PLC) which was installed at customers site.

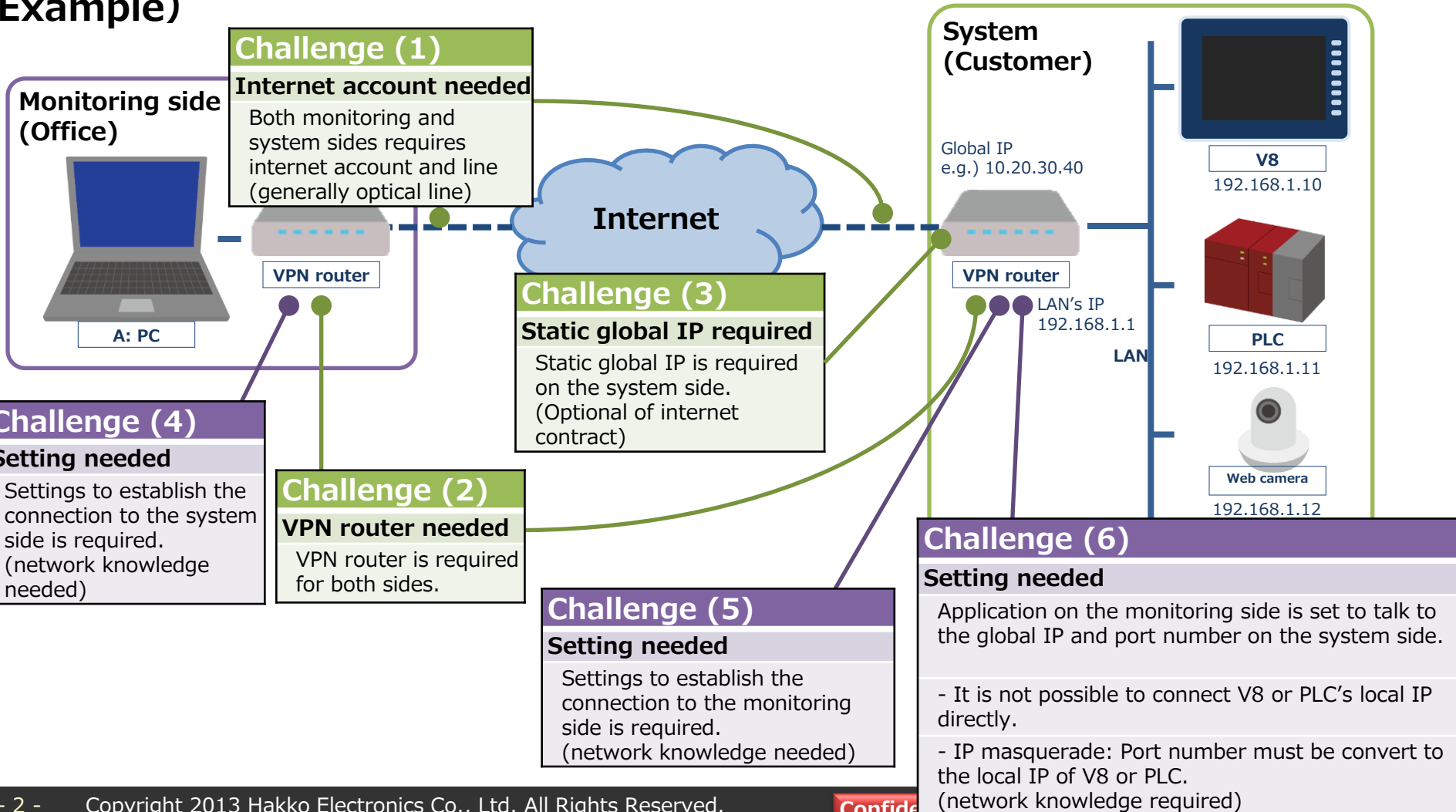
Have you ever seen illustration like below?

When you see such a picture, you feel you can achieve remote maintenance, but...



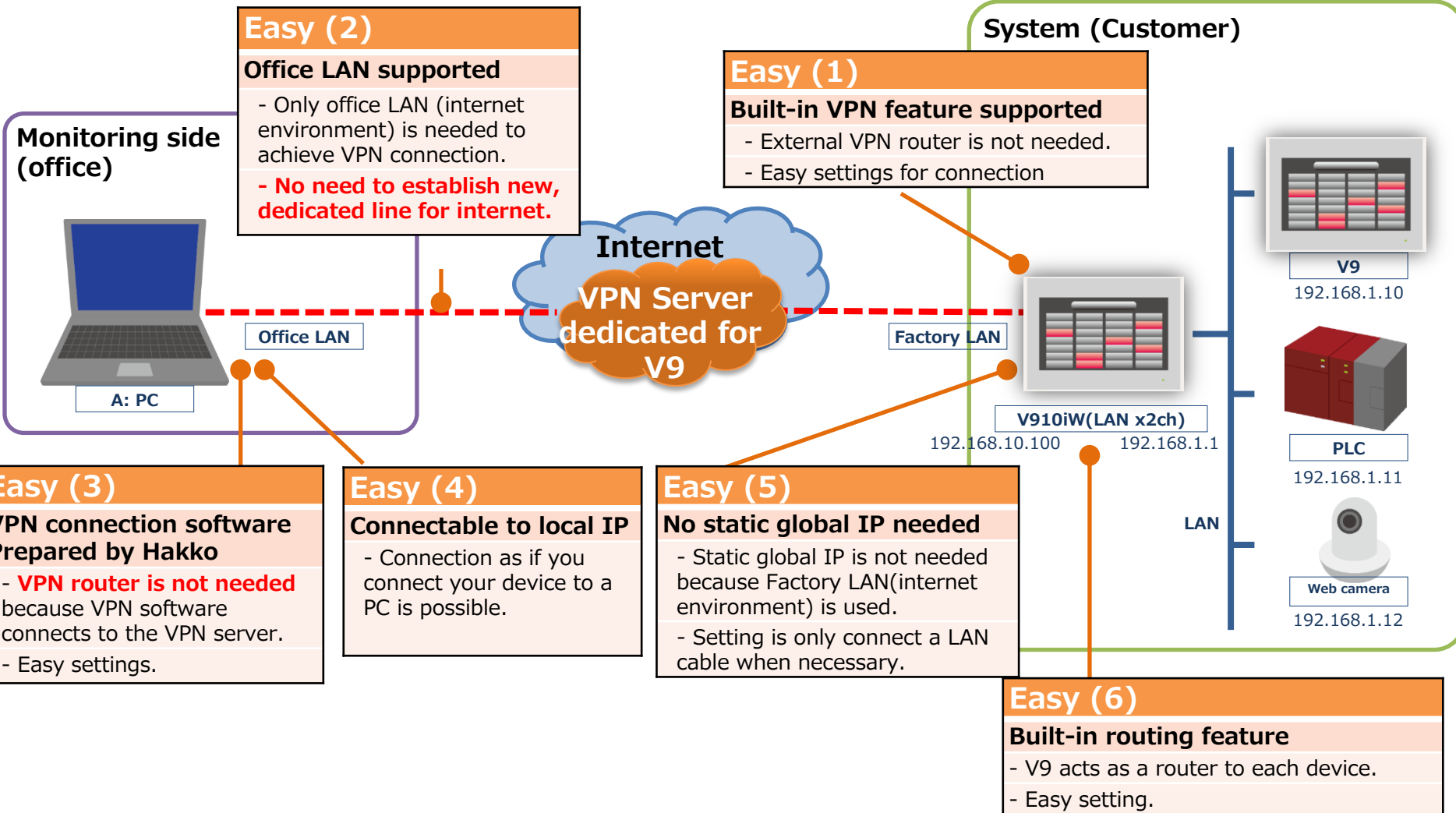
Conventional system configuration

What devices do we need if we want to achieve **secure and safe remote maintenance?**
Example)



With V9...

Why can we achieve **remote maintenance easily and safely?**

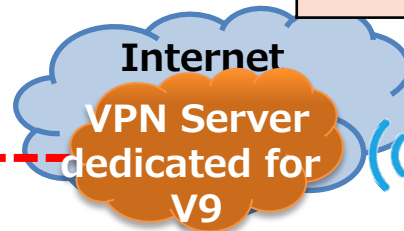
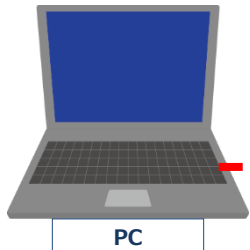


Application example using V9 wireless LAN

Easy remote maintenance is now possible!

Via mobile Wi-Fi router (cell phone provider)

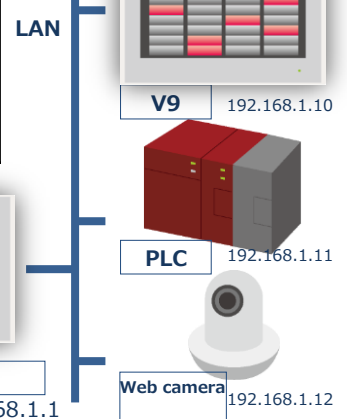
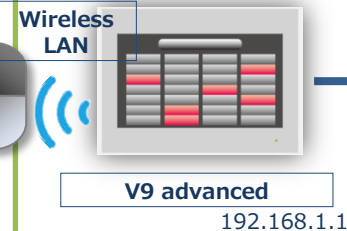
Monitoring side (office)



LTE/3G line

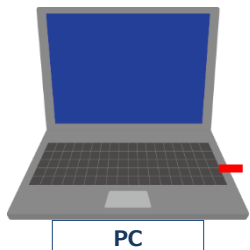
Point
As V9 advanced has built-in wireless LAN, it is possible to connect VPN via Wi-Fi router. IP address of V9 can be obtained by DHCP.

System (customer)



Using tethering

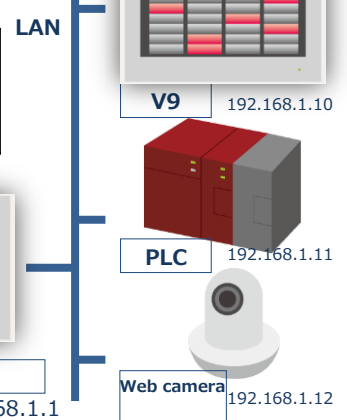
Monitoring side (office)



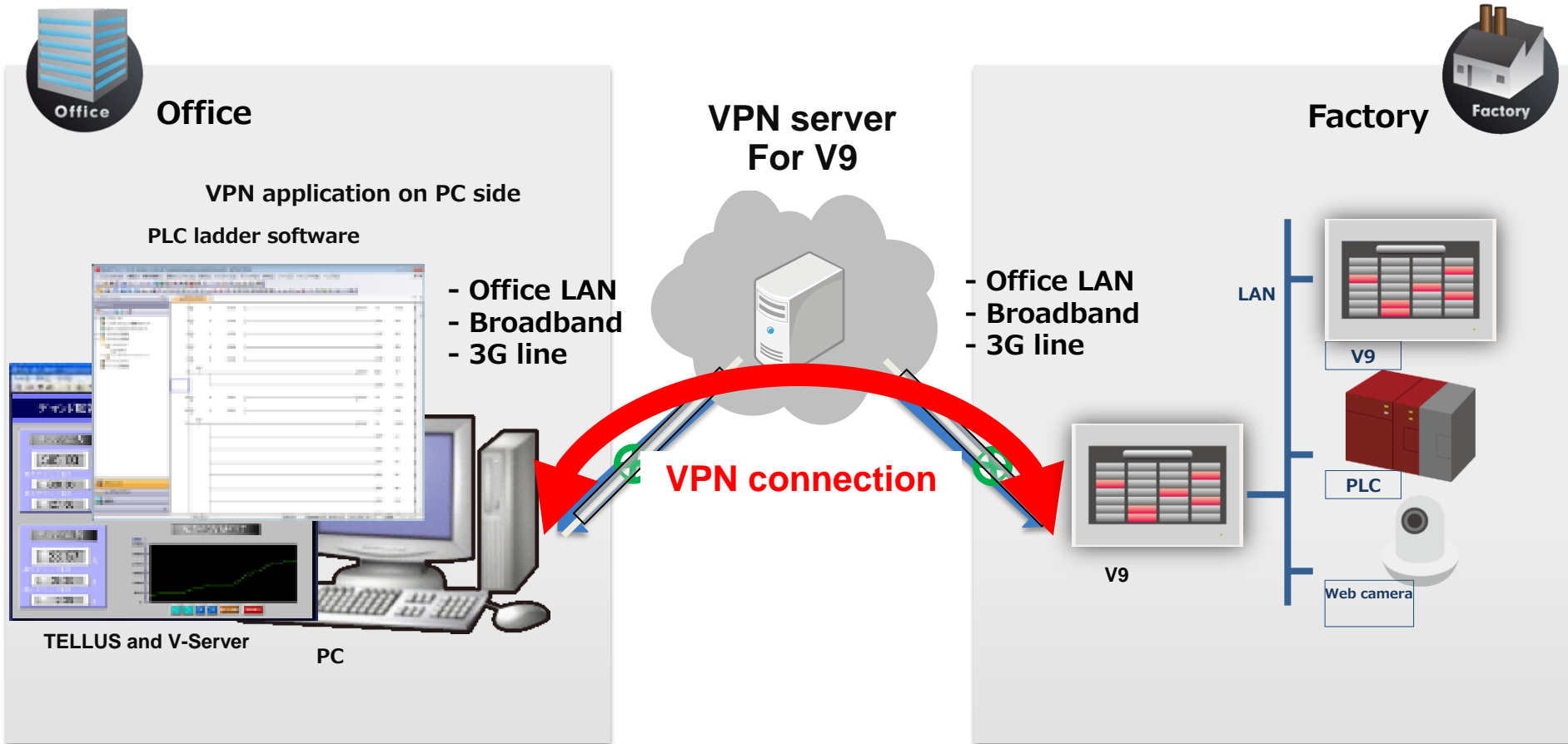
LTE/3G line

Point
Connect when necessary by using smart phone

System (customer)



V9 VPN feature system configuration (image)



Application example of VPN feature

Case study -Trouble shooting-

<Before>

Trouble occurred



Contact



Contact machine maker by phone for trouble-shooting.

Explain the situation



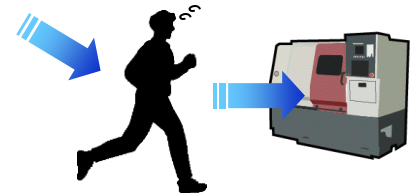
Can not see what is happening on phone.

Go to office



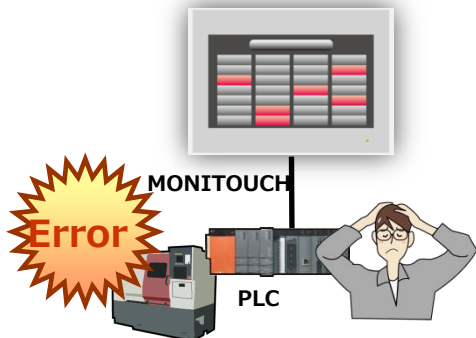
A trip to the field needs to be arranged.

Recovery



<After>

Error



Contact



Contact machine maker by phone for trouble-shooting.

Remote connection



Connection with HMI or PLC to check what's wrong on the system.

Recovery



Cost reduction without going to the field can be achieved.

Expense & Time reduction

