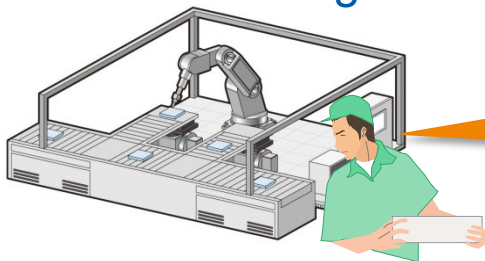# FANUC ROBOT (R-30iB/R-30iB Mate) MODBUS SAMPLE PROJECT

- Simplified address mapping on the panel!
- Creating screens for position adjustment only by setting!
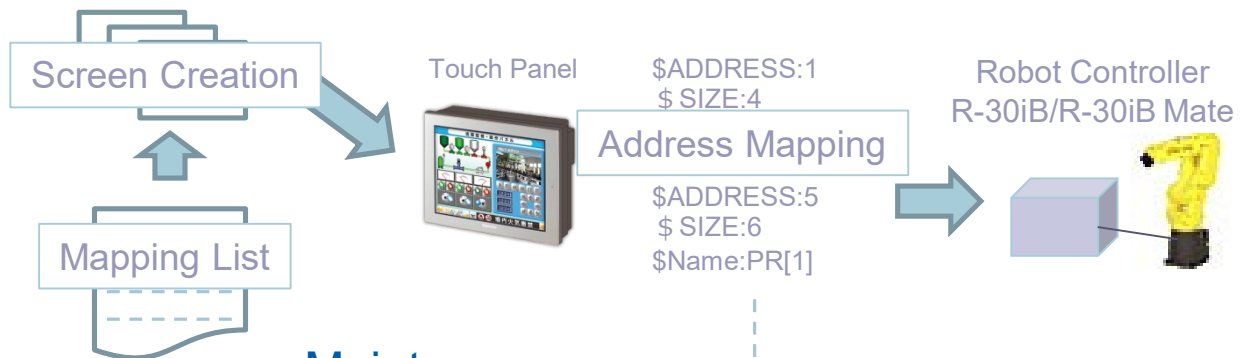
Problem (Before)
- Robot system designers
- Production/Maintenance engineers

Robot data adjustment screens: Needs designing man-hours.
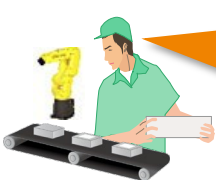Position adjustment after delivery: Needs a teaching pendant.

Design/Production

Screens to edit robot data are required for new designing and new type addition.
It takes much time and labor to design the screens one by one.

Screen Creation

Mapping List

Touch Panel

$ADDRESS:1
$ SIZE:4

Address Mapping

$ADDRESS:5
$ SIZE:6
$Name:PR[1]

Robot Controller
R-30iB/R-30iB Mate

Maintenance
Picking and positional mistakes

Want to adjust the positions to prevent picking mistakes with the operation panel easily.
Want to see the details of the alarm.

Want to make design work easy at the time of adding new product types.
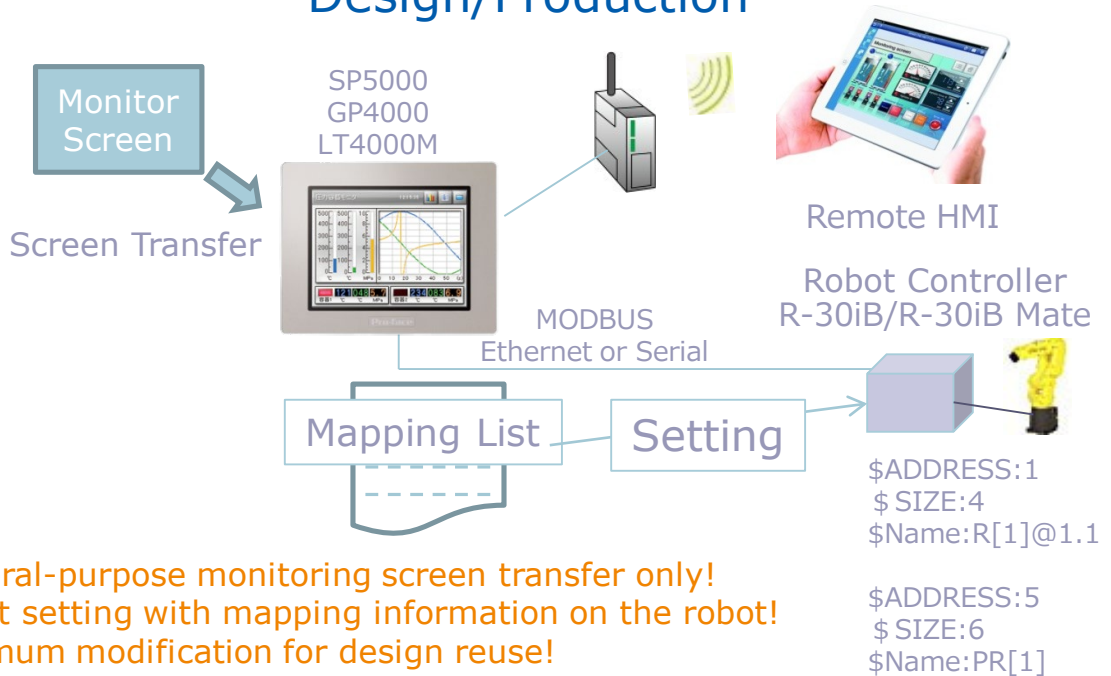
- Complicated mapping is required for reading detailed information.
- Screens need to be re-designed even in design reuse and modification, which leads to high cost!

Pro-face can solve the problem!

Solution (After)

- General-purpose monitoring screen!
- Robot setting list! No screen processing!

- Transfer of general-purpose screen. Operation screen is completed!
- Easy robot setting according to the mapping list!

Design/Production

Monitor Screen

SP5000
GP4000
LT4000M

Screen Transfer

Remote HMI

Robot Controller
R-30iB/R-30iB Mate

MODBUS
Ethernet or Serial

Mapping List   Setting

$ADDRESS:1
$ SIZE:4
$Name:R[1]@1.1

$ADDRESS:5
$ SIZE:6
$Name:PR[1]

- General-purpose monitoring screen transfer only!
- Robot setting with mapping information on the robot!
- Minimum modification for design reuse!

Maintenance

Detailed information at hand!   Easy addition/change!

Fine adjustment at hand!
Visible detailed alarms!
Smooth adjustment work!

Great!

Please make an inquiry to our sales staff for details on this product.
Notes: For support and warranty of products from 3rd party, please contact the manufacturer / distributor of the product.