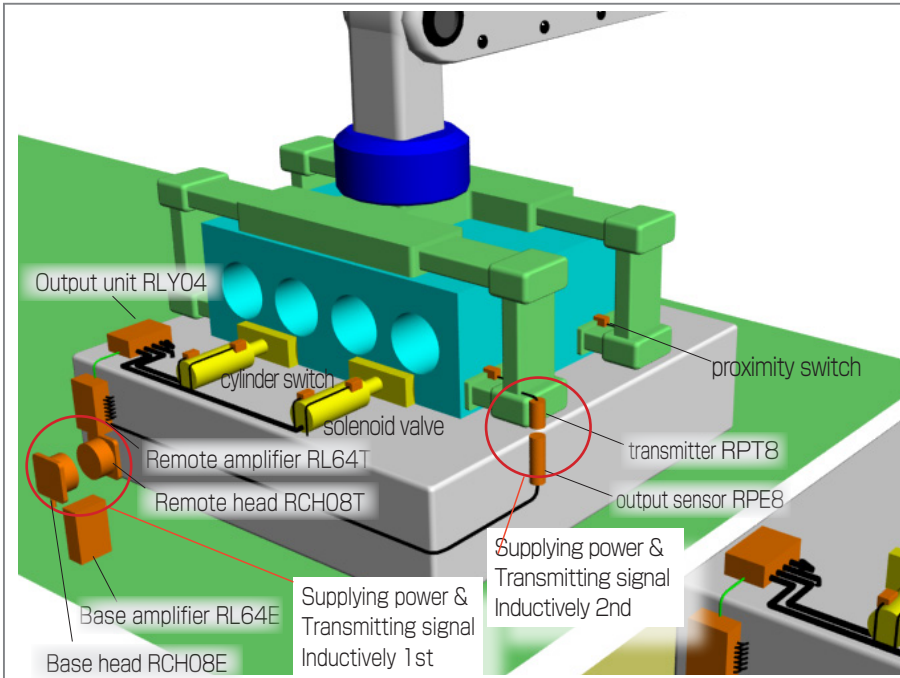
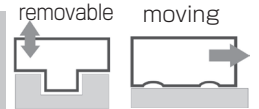


## Confirmation of work piece on pallet and robot hand (2 air gaps transmission)



### Previous problems

- Desire to eliminate connection lead time of sensors and solenoid vales on the pallet.
- Also have desire to eliminate connection time for robot hand change-outs.



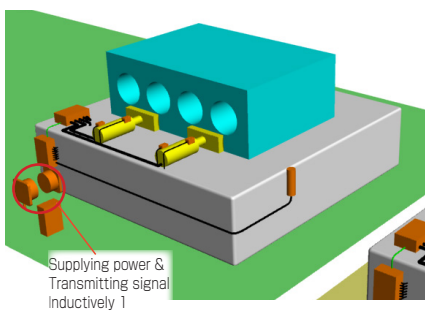
### After improvement

- Eliminated connection labor on the pallet eliminated time loss. Also eliminated connection labor on robot hand change-outs.
- Production line was fully automated.

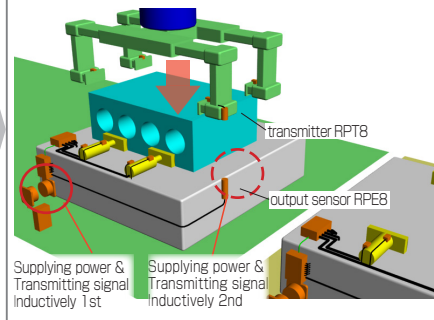
### Application

Confirm and mount work piece by utilizing sensors and solenoid valves, also work piece recognition on robot hand transmitted through pallet. 2 air gap transmission.

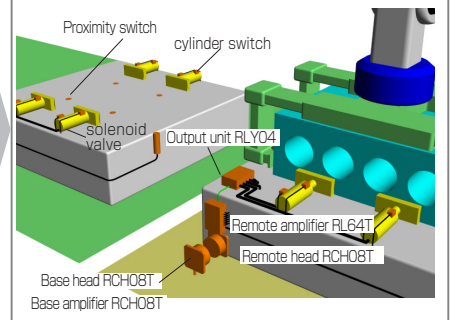
Confirming work piece on pallet



Confirming work piece on robot hand



Feeding work piece to following process



### Construction of devices

