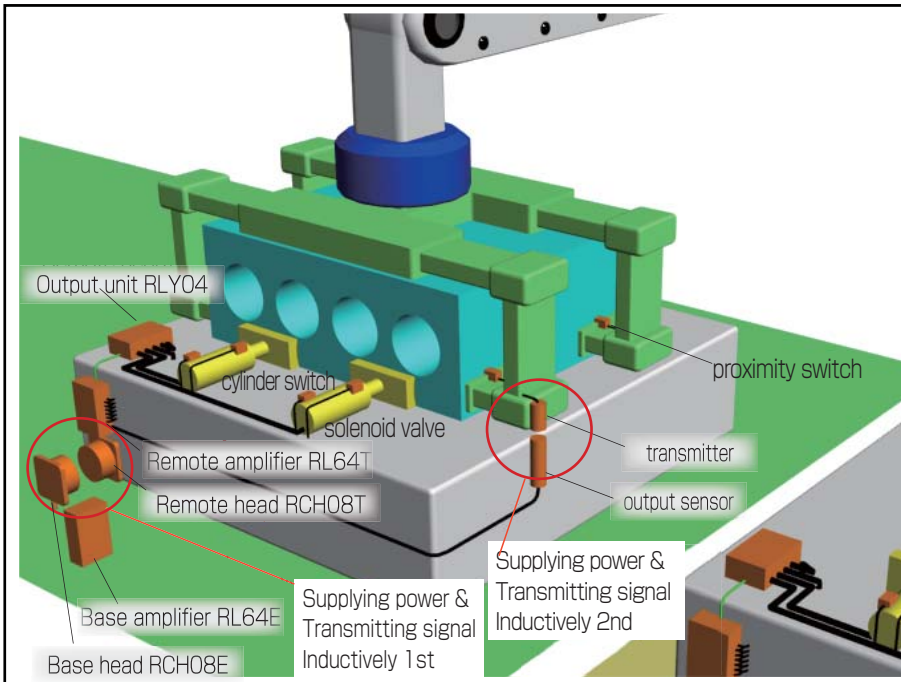
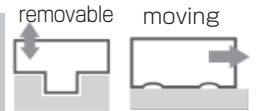


### Confirmation of workpiece on pallet and robot hand (2 air gaps transmission)



#### Previous problems

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



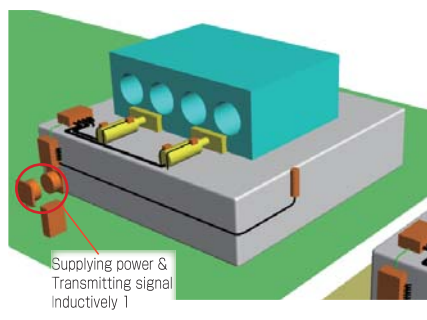
#### After improvement

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

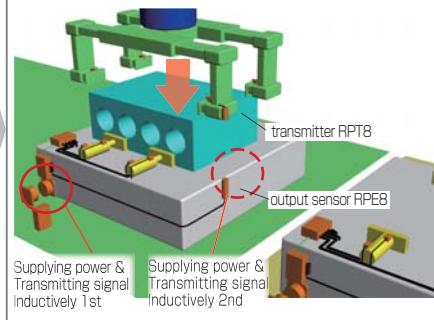
#### Application

Confirm and mount workpiece by utilizing sensors and solenoid valves, also workpiece recognition on robot hand transmitted through pallet. 2 airgap transmission.

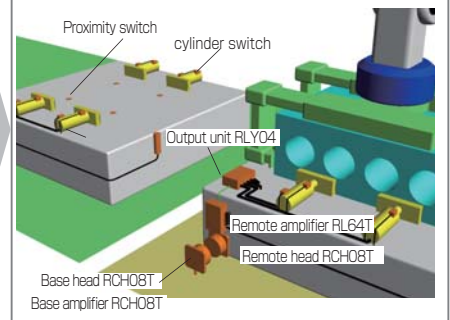
Confirming workpiece on pallet



Confirming workpiece on robot hand



Feeding workpiece to following process



#### Construction of devices

