



Safety fence-less cooperative robot for flexible site movement over a wide area

Camera teaching for easy and speedy welding

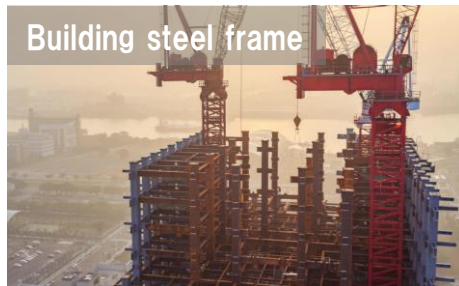
Automation and High Efficiency of Large Structures

<Reasons for Robot Introduction>

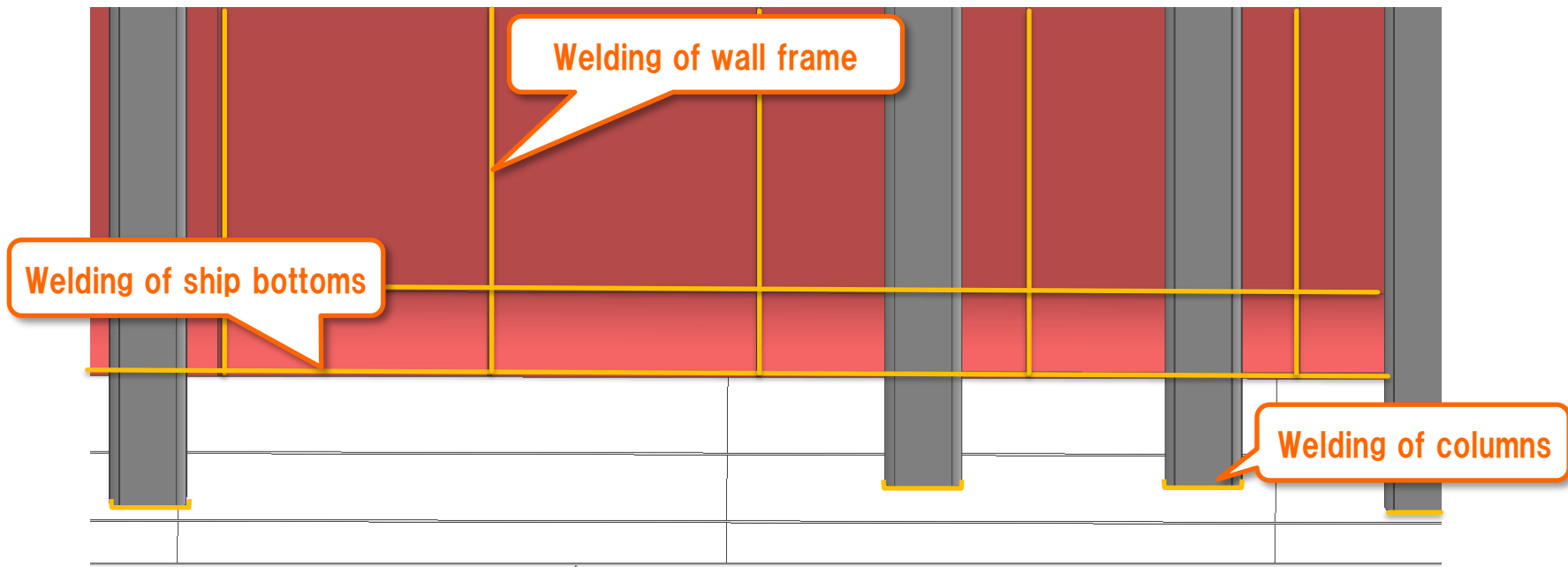
- Shortage of labor force and skilled workers
- Variation in welding quality according to the technical level of the technician

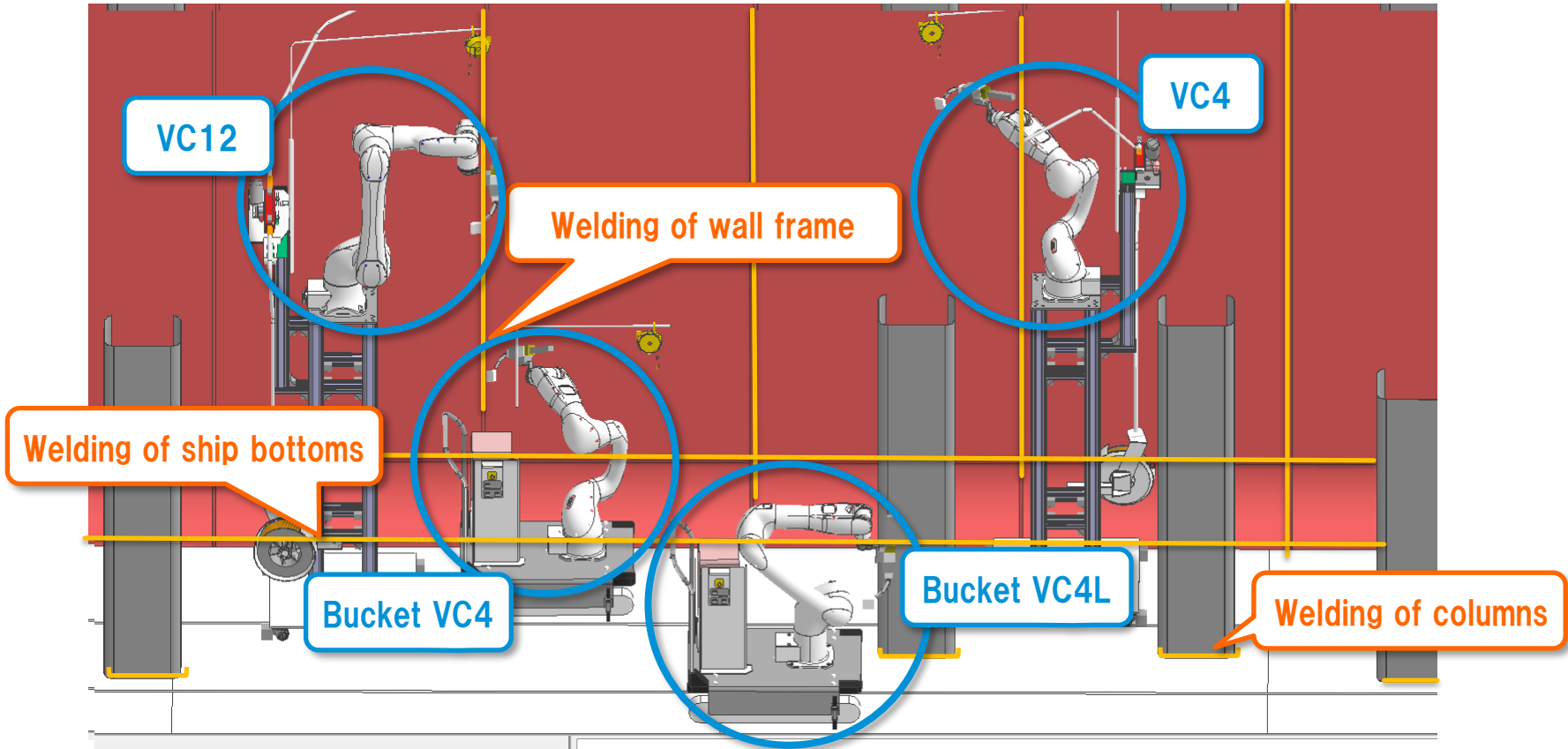
Elimination of manpower shortages and stabilization of welding quality by introducing robots

Actually... "The problem of introducing robots exists for large structures."



- Welds are spotted and the robot cannot be installed easily
- Teaching operation takes time and automation is not profitable.

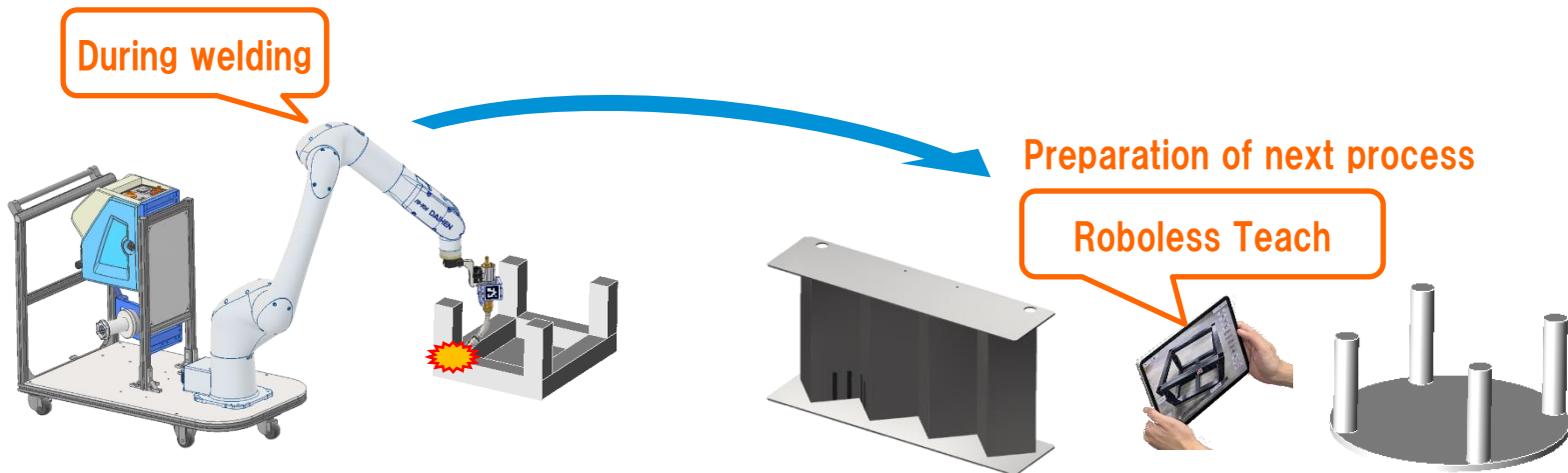




Industry's first

Roboless Teach Function

- Simple teaching with camera shooting without a robot
- Realizes parallel operation of robot production and teaching

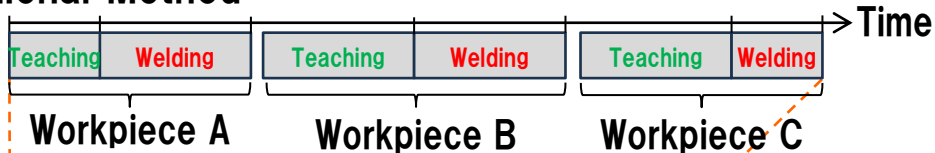


Industry's first

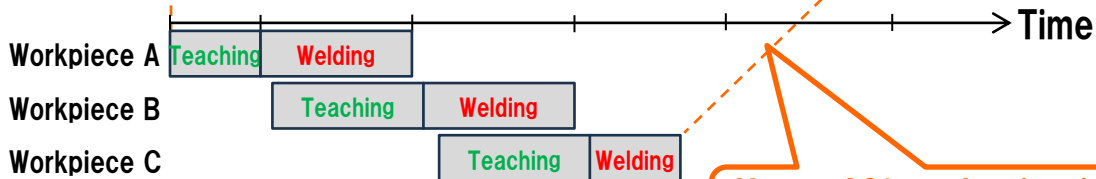
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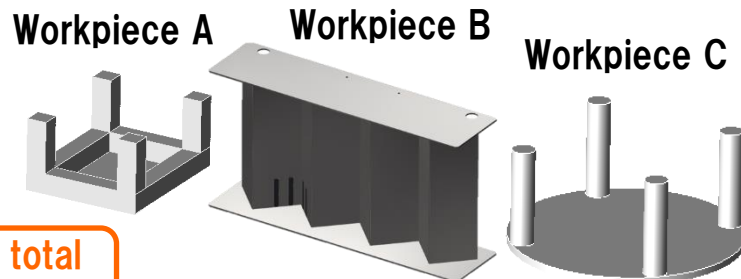
Conventional Method



New method

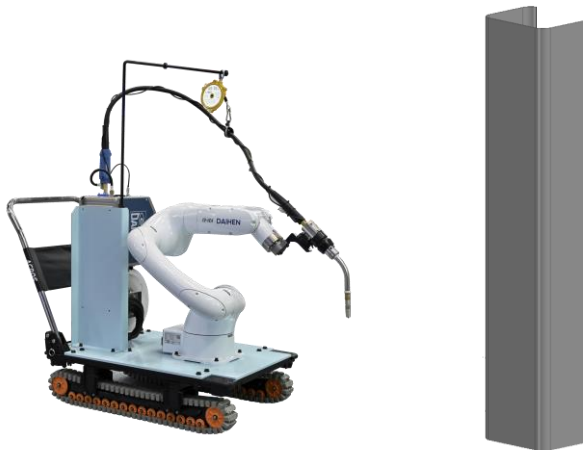


Up to 40% reduction in total production time



Automation of the site where the weld points are dotted

- STEP1 : Take a picture of the work and select the part to weld.
- STEP2 : Move the Cart Robot
- STEP3 : Shoot for positioning and send programme
- STEP4 : robot operation



DAIHEN's collaborative robots and Roboless Teach function propose a new welding automation method for large structures to improve production efficiency

DAIHEN