

Collaborative robots without safety fences can move freely and widely around the welding site.

## Automation solutions for welding large structures

### Achieving cooperation with people at various sites

- Long Arm Collaborative Robotic VC4L Optimized for Arc-Welding
- The robot is transported to the workpiece position and welded in situ.
- Capable of riding on steps of max. 40mm
- Direct teaching is also supported.

### Roboless Teach Function **Industry's first**

- Easy teaching **without a robot** just by taking pictures
- Realizes **parallel operation** of robot production and teaching
- **Automatically avoids** interference with workpieces and peripheral devices



Shooting



PHOTO TOUCH  
TEACH

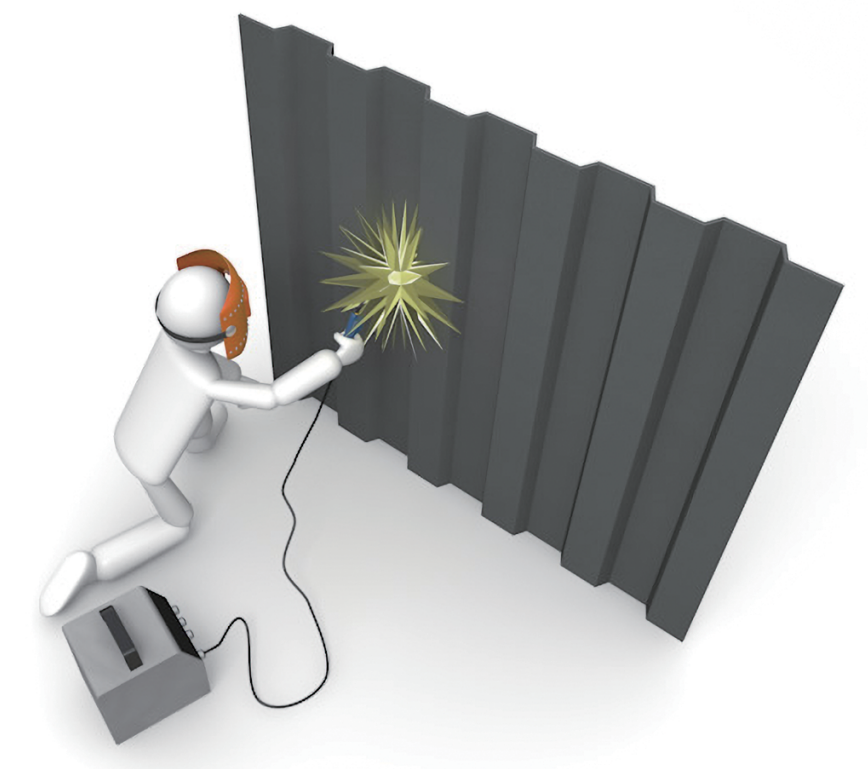


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## **Task of installing robots to welding sites for large structures**

### **Robots cannot be easily installed.**

- There are many welding points scattered in wide welding sites such as buildings and bridges.
- The welding object is large and difficult to move close to the robot.
- Difficult to install industrial robots that require safety fences.



### **Teaching work is time consuming and automation is unprofitable.**

- Robot must be moved for each welding point
- Teaching work is required for each move, and it takes time to weld.

