

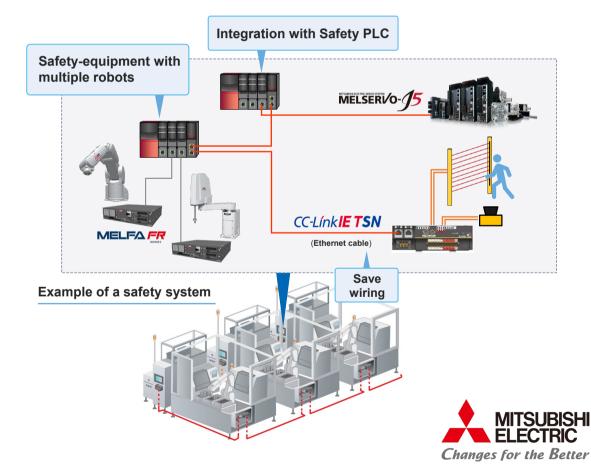
>>> Features

simplified version

CC-Link IE TSN realizes a flexible safety system in cooperation with a safety PLC!

No robot safety option required. Safety equipment can be used with FR-R Series!

Since safety communication and nonsafety communication can be mixed, it is possible to build a safety system with saving wiring and low cost.





>>> Features

Mitsubishi Electric Corporation offers a wide range of products for building safety systems, and proposes

**Total Safety Solutions** that realize "corabolation" between with humans and machines.

Achieve both Safety and Productivity, System cost can be reduced.







Changes for the Better

## >>> Features

Safety
Communication × Safety PLC
Function

Save wiring

Communicate via CC-Link IE TSN (Ethernet cable) without using safety IO. Only one cable is used. A single cable can be used to save wiring costs.

Safety/Non-safety Integration

Safety and non-safety communication, safety and general control can be integrated, and safety control can be easily monitored from general control.

**Flexible** 

Since it is controlled by PLC program instead of a safety relay, complicated control is possible flexibly. Changes and maintenance (restoration) are also easy.

>>> Diagram

For safety control of systems containing multiple robot controllers and peripheral drives



CC-Link IE TSN enables flexible safety systems by linking with safety PLC



Robotic Products: CR 800 R

Category: Standard

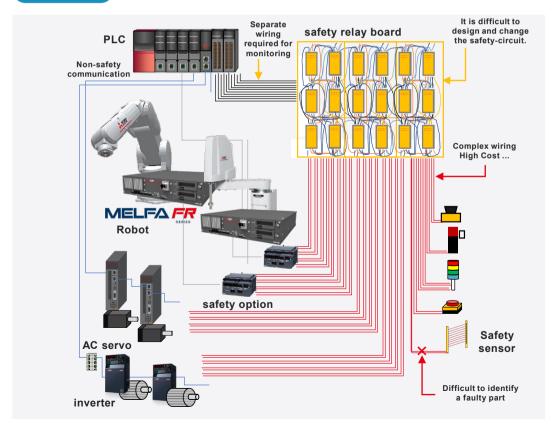


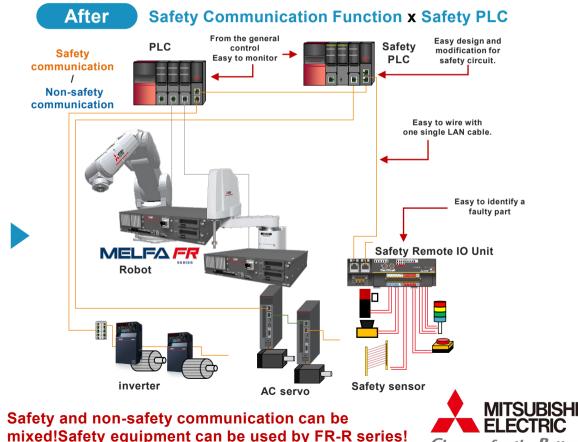
Changes for the Better

>>> Features

>>> Diagram

Before Safety I/O x Safety Relay (H/W Control)







>>> Features

VFDs around robots can be safety controlled with safety communication function and safety PLC.

