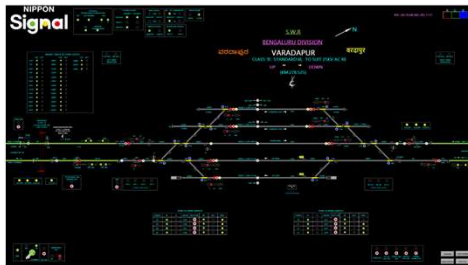# Electronic Interlocking System – EI32SA/LA for INDIAN RAILWAYS

We have all types of interlocking systems, from RI and CBI to centralized interlocking, and can interface with any equipment.
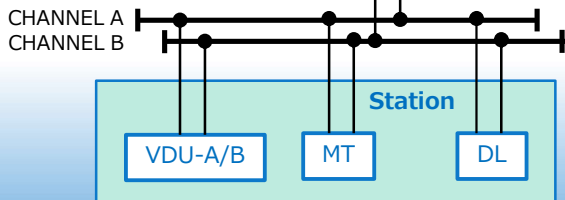
By taking advantage of our track record of ensuring safety for over 90 years in Japan, we can realize interlocking logic that meets all kinds of customer requests.

"Types of Railway Signaling and Control Systems"

- Centralised
- Distributed
- Auto block signalling
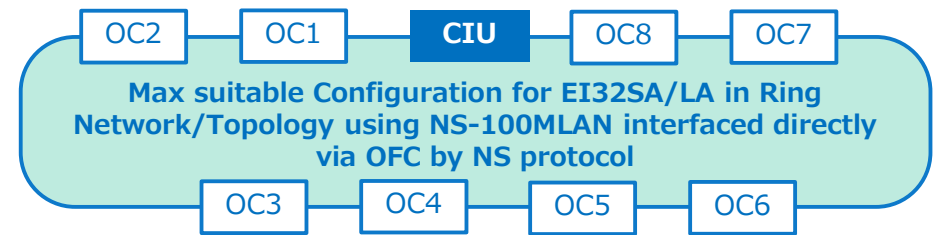- CTC for all types of requirement

Control Device (VDU)

Interlocking system – EI32SA/LA

CHANNEL A
CHANNEL B

Station

VDU-A/B   MT   DL

NS product from here

INTERLOCKING DEVICE

> Duplex system configuration adopted & each system (SYS1/SYS2) having independent I/O's to secure availability ensuring seamless changeover & effectively to handle the Graceful degradation.

OC2	OC1	**CIU**	OC8	OC7

Max suitable Configuration for EI32SA/LA in Ring Network/Topology using NS-100MLAN interfaced directly via OFC by NS protocol

OC3	OC4	OC5	OC6

- System with 2 out of 2 hot standby architecture & safety level SIL4(Applied standard IEC 62425 (EN norms EN 50129))
- API Input card having parallel input circuit with 64 Channels per card (32 input bits) per Card with NN proving.
- AWOUT2 output card with 16 output bits per card.
- A single CIU logic block unit processing only can handle up to 700 functional bits.
- SYS 1 & SYS 2 are two identical units having dual ethernet ports for Channel A & Channel B with I/O's being hot-swappable.
- High reliability & efficiency.
- Easy to configure and maintain.
- Dual VDU for station control & user friendly MTC.