

Lineside Electronic Unit >>



Lineside Electronic Unit (LEU) is a safe-class trackside equipment of train control system. Connected with Controlled Balise and other signaling equipment (e.g. Interlocking equipment), the relevant data is sent to the Controlled Balise after security processing.

LEU system is divided into three modules according to the relationship among the function units: power supply unit, communication module, main control unit.

HollySys LEU system supports two information acquisition modes: relay IO node acquisition and UDP protocol communication.



>> Features



Safety

- SIL4 Certified
- "2oo2" Safety Architecture ensures safety



Reliability

- Support redundancy of **two-network port** channels
- **Dual LEU** redundant configuration



Interoperability

- Baseline 3 of **TSI** Certified
- Comply with ERTMS/ETCS Subset-036/Subset-085



Maintainability

- Mean Time to Repair (MTTR) **≤ 0.5 hours**
- Support cables' state inspection of both open and short circuit



Compatibility

- Support relay interface and Ethernet interface



Flexibility

- Centralized and wayside distributed deployment

>> References

Over **5400 sets of LEU** have been provided for both main and interurban railway lines, including Hong Kong Express Rail Link (XRL), Beijing-Shijiazhuang-Wuhan Line, Zhengzhou-Xi'an Line, Guiyang-Guangzhou Line, Datong-Xi'an Line, Second Line of Lanzhou-Urumchi Railway, Fuzhou-Xiamen Line, Taiyuan-Zhongwei-Yinchuan Line, Qinhuangdao-Shenyang Line, Qingdao-Jinan Line, Liuzhou-Nanning Intercity Railway, Changchun-Hunchun Intercity Railway.

