

Quick, secure, integrated and configurable



CEFIMET is the most quick, secure, integrated and configurable protection system for parallel-substation interlocking in the railway sector.

It enables the **parallel connection** between substations, obtaining a **reduction of voltage drops**, an improvement in the **power efficiency** and an **increase of the system's reliability**, as well as an **increase of the provided power** to the trains.

The system is based upon the **use of systems equipped with Reflective Memory**, technology developed and patented by **GEFanuc**.

What are CEFIMET's **advantages** compared to other systems?

- **A single equipment** for the logic and the transmission.
- Time of default clearance is **independent of the number of substations connected** (up to 256 per net or ring).
- **Distance up to 10 km** between substations with monomode fiber.
- **Availability of the system:** redundancy possibilities at all levels.
- **Redundant communication** through connection to any substation.
- **Whole process mirror in each substation.** If one substation is disconnected from the system, that will not affect the safety of the facilities. Interlocking between collateral substations is automatically reconfigured.
- Upper level **supervision** is possible with **different TCP / IP protocols**.
- **Direct access** to any system data or device through a unique substation communication point.

