

INTEGRATED CONTROL SYSTEM AND CONTROL METHOD FOR RAIL VEHICLE COLLISION TEST

ABSTRACT

An integrated control system and method for a rail vehicle collision test are provided. The integrated control system includes: an industrial control subsystem, a video monitoring and wireless network integration subsystem, a database subsystem, a ground speed measurement and positioning subsystem, and a centralized control center control room subsystem. The centralized control center control room subsystem obtains a system status of one or more subsystems of the industrial control subsystem, sends a control signal to the industrial control subsystem based on the system status or an experimental requirement, and sends a control instruction based on a real-time speed and a positioning information of a preset position point, and displays a shooting video. It can be seen that, signal interaction is performed among the various subsystems in the integrated control system for a rail vehicle collision test, thus the coordination performance of a rail vehicle collision test system is improved.

Fig. 1