UGL

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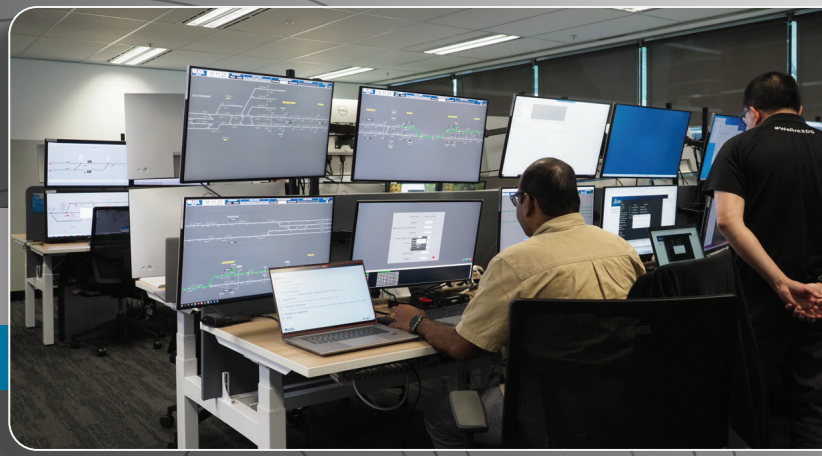
Test & Simulation UGL TRAIN CONTROL SYSTEMS

Leading the way in train control



Our test and simulation laboratory, along with our other dedicated facilities are equipped with advanced server and workstation capabilities, designed to support all project phases, from initial tendering concepts all the way through to retirement and eventual hardware refresh maintenance requirements. This facility ensures that we can deliver high-quality, reliable solutions for any supplied train control system (TCS) packages.

Key features

SERVER CAPABILITIES: High-performance servers replicate real-world conditions to ensure robust and reliable solutions, capable of handling extensive simulations and testing scenarios.

WORKSTATION CAPABILITIES: Workstations, custom-configured for design, development, testing, and troubleshooting, include setups ranging from single-screen configurations to complex 8 x 27" monitor systems using Matrox cards. They also provide virtual remote-access environments and are tailored to replicate operational hardware.

SIMULATION ENVIRONMENT: Models operational scenarios to test train control systems, including SSI, ElectroLogIXS, Microlok, Westrace, and SmartLock interlocking systems. It enables rapid testing, performance optimization, and issue identification with various hardware, OS, and peripheral combinations.

MAINTENANCE SUPPORT: Simulates faults and maintenance scenarios for rapid defect rectification, as well as controlled testing of updates and modifications to minimize operational disruptions.

COMMUNICATIONS TESTING FACILITIES: Configures and integrates equipment like Aruba, RUGGEDCOM, and Westermo switches with protocol converters, creating test environments that resemble real-world systems.

Leading the way in train control: Australia's advanced simulation lab facilities

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