



metroligero
oeste



Metro Ligero

Customer Success Story

Challenge

The control room is the mission-critical hub of Metro Ligero's operations. However, a major modernisation of the control room was needed to enable train operators to manage and ensure 24/7 reliability of the new line. Metro Ligero required a solution that not only improved workspace ergonomics, but that was also highly cost effective, to show a fast return on investment. As with all modern transportation networks, safety is critical, and so the control room required in-built redundancy to run efficiently and securely at all times.

In addition, Metro Ligero chose to install the ADDER CCS-PRO Command and Control switch to enable the operator to control multiple computers with one keyboard and mouse. As the operator moves from one screen to another, the keyboard and mouse switch automatically using Adder's Free-Flow technology. This helps negate the confusion previously caused when operators are faced with multiple mouse without an indication of which computer it is controlling. Adder's IP KVM solution radically streamlined the control room by allowing computers to be moved into a dedicated server room, freeing up space at the workstation and creating a quieter, cooler and more ergonomic environment.

Solution

Within the control room, operators receive large amounts of vital information to their own workstations, whilst a large videowall offers an overview of the complete light rail network. Metro Ligero improved workstation ergonomics and productivity by installing a high performance digital video extender and splitter to link the video wall with each individual operators workstation; all of which can be operated by a single keyboard and mouse. In the case of failure, control room operators can switch remotely over IP to a redundant server, providing the absolute reliability required by the customer.

“The Adder solution delivers the highest possible level of redundancy and backup in case of failure. This helps to ensure a safe and reliable trainline for passengers at all times”.

José Luis López Jiménez
IT Director – Metro Ligero

About Metro Ligero

Metro Ligero Oeste, S.A. is a modern and accessible light rail network that connects Madrid to the growing urban areas; Boadilla del Monte, Alcorcón and Pozuelo de Alarcón. Spanning more than 16.5 kilometres, the light rail network serves as a sustainable, reliable and punctual transport system for more than 200,000 inhabitants. It is now one of the most used public transport systems in the Madrid region.



Result

The installation gives control room operators quick, real-time access to the most relevant and up-to-date information in order to maintain 24/7 network monitoring and management throughout the entire Metro Ligero train network.

In addition to removing noisy, heat-generating computers from the control room, operators can now interact quickly and efficiently with multiple computers, using a single keyboard and mouse. This provides a fast and simple to use solution whilst delivering the highest possible level of redundancy and backup in case of failure.

Metro Ligero now uses the control room as a showcase for influential visitors to Madrid, demonstrating how a totally modernised, highly secure and resilient, state-of-the-art control room can truly operate.



“Not only did Adder’s solutions help reduce project investment, while achieving higher performance, they also played a pivotal part in simplifying and rationalising the technology – so putting a defining stamp on the project”.

*José Luis López Jiménez
IT Director – Metro Ligero*

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