Lisbon Airport

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Lisbon Airport

CHALLENGE

As a result of ongoing expansion, with the ultimate goal to transform Lisbon Portela into a four runway airport capable of hosting over 40 million people a year, a new airport control centre was built. The centre houses a number of servers and computers that control most of the airport facilities, such as tracking lights, maintaining the gates, plane parking and the elevators.

The previous control centre housed all of its computers and equipment in the same room. In addition, each machine had its own keyboard and mouse which presented ergonomic and efficiency challenges to the team as well as restrictions in operations. As a result, one of the main requirements of the new control centre was for individual staff members to control this equipment remotely, using only one keyboard and/or mouse with a choice in the number of monitors.

GTC, a global provider in integrating AV solutions, selected the manufacturer Adder

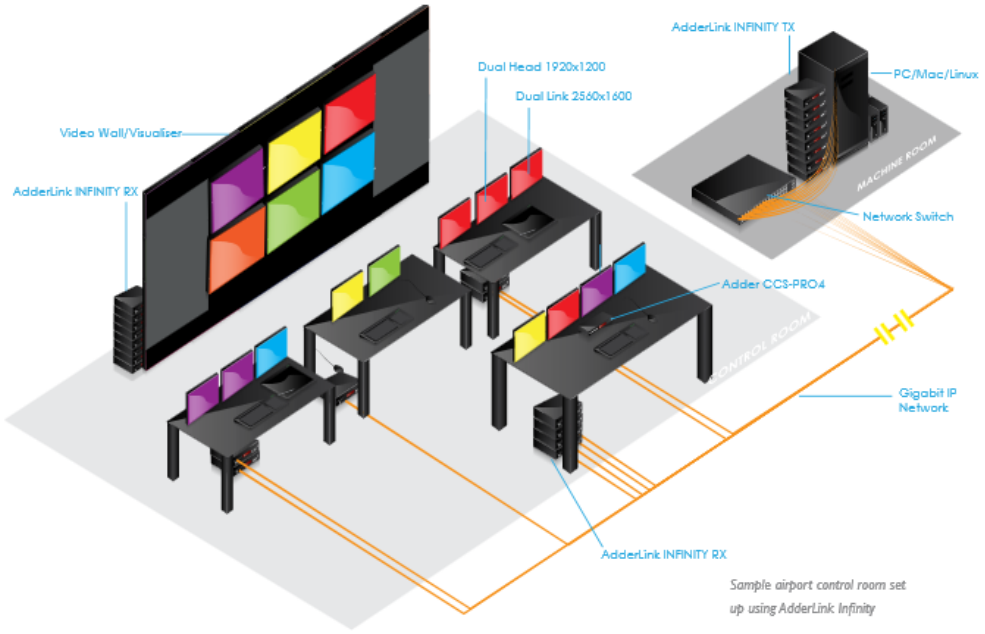
Technology, the high performance IP-based KVM specialist to supply the required technology. Adder Technology then worked with GTC to specify the most appropriate solution.

SOLUTION

GTC then selected the AdderLink Infinity Manager (A.I.M.) server and AdderLink Infinity Dual which provides a digital matrix solution using standard IP infrastructure. Transforming the network into an efficient and high-performing digital matrix capable of switching and routing any user station to any computer without compromise to video quality or control.

The physical computers and machines were then located outside of the control room, freeing up space and making operations more efficient. Adder Technology also supplied a number of ADDER CCS4-USB switches featuring Freeflow Technology. The CCS4-USB enables users to interact with up to four computers and screens using a single keyboard and mouse. By simply moving the mouse cursor across screen borders users can access the computer they need.

Other products supplied include several AdderLink Infinity dual and single head digital video transmitters and receivers that allow easy switching, collaboration and shared control, as well as the CCS-XB LED Light Module, and ADDER Remote Control Unit RC4- 8P8C that provides direct push button access to any channel from a desktop.



RESULT

“The customer was very pleased with the results regarding workflow, ergonomics and reliability. The newly equipped room also became a showroom for all the other departments of ANA Aeroportos,” explained Marco Azevedo, Technology and Operations, GTC. “Not only do the solutions meet our requirements and those of our clients, but the support we received from the Adder team was excellent.”

Installation was completed in August with the new control room now featuring ergonomic workspaces with staff being able to efficiently control a number of different machines and systems from a single workstation with a single keyboard and mouse. The computers have been centrally located away from the operators improving environmental conditions and security.

“GTC managed this installation with a project based approach in order to guarantee the required quality levels and supporting documentation as well as the timelines and stakeholder expectations.In the end the customer was very happy with Adder and GTC and is considering the use of Adder’s high performance KVM products in other projects,” concluded Marco Azevedo.

FEATURES

- View a 2560x1600 or two 1920x1200 resolution sessions
- Plug and play
- View, access and switch your computing resources remotely
- USB True Emulation - supporting almost any HID device including graphics tablets, 3D explorers, custom keyboards and mice, etc
- Switch to any connected computer via intuitive on screen menu
- Digital stereo audio, 2 way communication (speakers and microphone)
- Fanless