



# LONWORKS® Network Helps Sporting Goods Company Trim Costs

**L**otto Sport Italia S.p.A, a worldwide sporting goods company, initially wanted an automatic lighting control system for its Treviso, Italy headquarters. But once the company saw how well its new LONWORKS solution saved energy, a fully automated system wasn't far behind.

Integrator ViaBus S.R.L. recommended a solution based on Echelon's LONWORKS technology, an open, extensible architecture that lets control devices from multiple manufacturers interact with each other. Such flexibility would optimize costs and keep the project on schedule, as well as make the system easy to upgrade.

ViaBus began by developing a system that automatically controls lighting through a variety of intelligent innovations, including lights that automatically brighten and dim in response to ambient light levels and tenant occupancy.

Soon Lotto had a LONWORKS control network that integrated lighting; heating, ventilation, and air conditioning (HVAC); security; and energy management systems. The new HVAC system interacts with the lighting system's occupancy sensors: When a room is occupied, the control network automatically activates the HVAC equipment, optimizing user comfort as needed. The security system also integrates the same sensors with access control, using transponder readers and a touch screen monitor to optimize security.



Viabus installed an i.LON 100 Web server on each floor of the building, so the company could easily manage and control the network remotely through the Internet or an intranet.

Thanks to the easy scalability of LONWORKS networks, the system continues to grow. In addition to the company headquarters, Lotto has implemented the control network in three of its five warehouses. This expansion was completed without any additional wiring: The LAN, which connects the warehouses and the headquarters, was used as a starting point for the LONWORKS network. Each warehouse has a bus line connected to the LAN, as well as an i.LON 100 Web server to manage and monitor the entire system.

## Benefits

The new system has helped Lotto exceed its initial energy savings target while creating a comfortable work environment. Employees in the Lotto headquarters appreciate the individual environmental controls in their offices. Through a Web-based interface, they can set the temperature and brightness in their offices to their liking. And Lotto's owners are excited about the building's savings potential. "We expect to save as much as 30% in installation costs compared to that for a conventional building, and save as much as 35% in energy consumption," says Marco Cracco, sales director of ViaBus.

### Key Benefits

- Energy management controls reduce operating costs and save energy
- Advanced environmental and security controls keep employees comfortable and safe
- The LONWORKS control network allows easy device integration and expansion

### Products and Suppliers

#### Echelon

LNS®, LonMaker® Integration Tool, i.LON® 100 Web Server, FTT-10A Free Topology, Transceivers FT 3150® Smart Transceivers

#### ViaBus

ViaPlus FTT 10 A lighting, control system, ViaOtto FTT 10 A, ViaPlus FTT 10A to fan coil units management, FTT 10A Energy Meters

#### Honeywell

Transponder readers FTT 10A

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