



# T.E.C. News Quarterly



**Volume 1, Issue 1**

**Fall, 2001**

## T.E.C.'S SEMINARS A SUCCESS

The need to be one step ahead in the technology race is essential in our field. For those who want to succeed this requires them to push forward on the visionary front and implement knowledge and technologies that are the wave of the future such as the new open/interoperable systems technology.

T.E.C. Systems Inc. has been a forerunner in implementing and conducting seminars on LonWorks® Open Systems Integration as part of its educational program series for facil-

ity managers and the consulting engineer community. The seminars, which include a power point presentation and review of numerous Lon-based products, are geared towards introducing facility owners and consulting engineers to multi-vendor system integration utilizing LonWorks® technology.

In the past five years, LonWorks® and BACnet have been the leading integration technologies in the HVAC field. Most HVAC equipment manufacturers are rec-



Open Systems training seminar

ognizing the need for and providing a LonWorks® or BACnet solution for the integration of facility management systems.

Although there are great benefits in using system integration, it's not as easy as "plug and play" to automate an

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### We specialize in:

- HVAC SYSTEM CONTROLS
- OPEN/INTEROPERABLE TECHNOLOGY
- SYSTEMS INTEGRATION
- FIRE/SMOKE CONTROLS

## ABOUT T.E.C. SYSTEMS INC.

T.E.C. Systems Inc. is a complete service, Long Island City based, automation controls contractor. Specializing in the design and implementation of Computerized Building Automation Systems, T.E.C. has completed thousands of successful

control implementations in commercial, industrial, residential, and institutional facilities. Recently, T.E.C. Systems Inc. has been pioneering the Open System Integration technologies, utilizing LonWorks and BACnet. Staffed with professional de-

sign, installation, software, and service engineers, T.E.C. can produce turnkey automation systems for all control system needs. Visit us at [www.tec-system.com](http://www.tec-system.com) to learn more about what T.E.C. can do for you.

### Schedule of Events

- August 17th and 18th is ASHRAE 'S regional conference in Tarry town, NY
- September 11th is Echelon's Open Systems 2001 North America Tour in Boston, MA
- September 13th is Echelon's Open systems 2001 in New York, NY
- October 23-24th is LonWorld's Open Systems 2001 in Frankfurt, Germany

### August 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

### September 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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23	24	25	26	27	28	29
30						

### October 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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21	22	23	24	25	26	27
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### November 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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# What's New?

**ENERGY EFFICIENT SYSTEM FOR LOCAL ENERGY PROVIDER** - A Honeywell XL-5000 DDC Building Management System shall provide efficient HVAC equipment operation at the new Con Edison Service Center located at 750 East 16th Street. Roy Kay Inc./ Keyspan Energy has awarded the design and installation of this system to T.E.C. Systems, Inc. Full DDC control of chilled and hot water plants, custom built rooftop units, and VAV boxes is included in this fast-track project scheduled for completion in December 2001. Lakhani & Jordan Engineers, PC is the design engineer on the project.

**T.E.C. HEADS FOR TIMES SQ. -** T.E.C. Systems, Inc. was recently awarded a contract with Tishman Construction for the installation of a building management system at the Westin Hotel at Times Square.

The project, designed by Jaros Baum & Bolles Consulting Engineers, is a 47 story facility which will be fully monitored and controlled by the 1500 point BMS. T.E.C. will provide a Honeywell DDC system with pneumatic actuation. It's scheduled completion is for September 2002.

**ASHRAE CHAPTERS REGIONAL CONFERENCE** - The Bi-State chapter of the American Society of Heating, Refrigerating, & Air Conditioning Engineers, Inc. is holding it annual meeting and conference in Brewster, NY on August 17<sup>th</sup> and 18<sup>th</sup>. T.E.C. Systems, Inc. will have a demonstration on the latest Open Systems technology on the 17th between 10AM and 4:30 PM.

T.E.C. will highlight Honeywell's recently



released WEBs product line which allows integration to BACnet and LonWorks control networks out of a single network manager. You are invited to come and visit T.E.C. Systems, Inc. at the show located at: SMWIA Local 38 Training Facility Starr Ridge Road, Brewster, NY.

**OPEN SYSTEMS 2001** - Echelon, along with its partners, is holding its Open Systems 2001 seminar in 30 cities across the United States. Echelon's LonWorks® platform is the world standard for connecting everyday devices to each other, including the Internet will have a demonstration on open systems. The New York City seminar will be sponsored by T.E.C. Systems and held on September 13<sup>th</sup>, and will showcase numerous vendors' LonWorks-based products. Visit Echelon at [www.echelon.com](http://www.echelon.com) to register.

# MALLS-R-US

Buffalo's premier WALDEN GALLERIA MALL now holds the largest LonWorks® "Open/ Interoperable" Lon Point Facilities Management System in the world. **T.E.C. Systems, Inc.** has successfully completed for them, a new Building Management System upgrade using the new integration technology distinctive of T.E.C.'s multi-vendor solutions.

The Pyramid Group, owner and operator of the WALDEN GALLERIA, makes it their business to provide an environment that promotes the most satisfying



shopping experience. This complex, with over 200 retail stores, offers the ultimate one-stop shopping opportunity for the millions of patrons

who visit the mall each year and now with the bonus of always feeling comfortable. Never too hot, never too cold... just right at all times.

In stride with Pyramid's continual strive to modernize, they

felt it was time for a state-of-the-art Facility Management System overhaul. The solution was a new 1,500 node LonWorks® based open/interoperable control system. Utilizing Echelon's LonPoint field controllers, networked on a new Free-Topology backbone, facility management personnel have the ability to easily monitor and control 290 HVAC units, 300 lighting circuits, as well as monitor security, fire and other critical systems. The open functionality of this LonWorks® based system

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## t.e.c. seminars a success

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entire facility. "We've been implementing multi-vendor integrated solutions successfully for the past several years, and have found that in order to create pure multi-vendor installations you must have an intimate understanding of the technology and understand how to evaluate various manufacturer's equipment" states Ron Herrmann, Director of System Development at T.E.C. Systems Inc. He adds, "There's a lot to learn and we feel that our educational seminars and

control system design services will allow the benefits of these open system technologies to reach the end-user. We're in the great-



est technology race this industry has seen in the last 20 years. And as the saying goes, 'he has

the deed half done who has made a beginning'; and the key term here is *half done*."

The seminars are well-received by the attendees, many of which have already been capitalizing from T.E.C. Systems' design and specification

services; a service which T.E.C. provides free of charge to valued customers and engineers. With rapid changes in technology, education becomes a major part of competitive growth. This is how the second half of the deed is accomplished.

If your firm is interested in learning more about Open System Integration, or T.E.C.'s design and specification service, please e-mail us at: [ronh@tec-system.com](mailto:ronh@tec-system.com)

Or contact us at:  
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718-784-7955

*"... it's not as easy as 'plug and play' to automate an entire facility."*



## MALLS-R-US

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also provides the owner with countless options for future expansion and enhancement.

Having successfully completed several large projects for the Pyramid Group, **T.E.C. Systems, Inc.** is consistently providing the 'latest and greatest' technologies

to benefit this facility owner. Despite the large size of this network, the LonWorks® open technology provides an easy-to-use, flexible system. Their product capabilities, allows for additions and expansions to be easily accomplished in future mall build-outs and retrofits when combined with any of a number of LonWorks® based components.



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## In the Spotlight

### The I.LON 1000 Internet Server

The i.LON 1000 is a newly introduced product by Echelon that provides reliable,



secure Internet access to the everyday devices in your world - lights, appliances, switches, thermostats, motors, meters, and valves. The i.LON 1000 puts you in control - letting you monitor, adjust, and reconfigure devices whenever you want, from wherever you are.