MAJOR ELECTRO-VOICE™ (EV®) INSTALLATION AT OMACHI CITY **CONCERT HALL, JAPAN**



Omachi City, Japan (September, 2004): The Omachi City Culture Hall (above) has updated its sound reinforcement system with solutions from EV®. Dynacord® and Klark Teknik®. The new system is centered around the EV X^{Cc™} compact line array, Xi[™] loudspeakers and P-RL[™] series remotecontrol amplifiers.

Omachi City, Nagano, is a beautiful town at the foot of Japan's North Alps. Nearby is the famous Hakuba ski resort – the venue for Alpine skiing and jump events at the 1998 Winter Olympics.

Built in 1986, the Omachi City Culture Hall is a performance venue with around 1500 seats. After 18 years, the sound, lighting and air conditioning systems have been replaced - as has the roof surface, which requires protection from considerable annual snowfall! The new sound system was designed and integrated by Ueda Japan Radio Co., Ltd. The installation was completed in March 2004, after extensive product research and discussions with the hall staff about their system requirements.

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After these investigations, Electro-Voice X^{LC}127+™& X^{LC}118™ loudspeaker systems and Electro-Voice P-RL series amps with IRIS™ (Intelligent Remote & Intergrated Supervision) remote control DSP software were selected as the main components. EASE™ 4.0 modeling and EV's Line Array Prediction Software (LAPS™) were employed to position and aim the loudspeakers. Electro-Voice Xi-Series, EVI-15™ with Vari-Intense™, and Dynacord Corus-Pro™ small-format loudspeakers were also specified to provide fills and effects coverage. This is the first X^{LC} concert hall installation in Japan.



A total of 27 Electro-Voice Precision Series Remote Amplifiers power all the loudspeakers. Before the renewal, the power amplifiers had been located with the mixing console in the control room. For this installation, a new amplifier room was built under the stage in closer proximity to the loudspeaker arrays. Managing and monitoring the power amplifiers is made even easier using a computer running IRIS software on a user-configurable control screen in the control room. IRIS control software has proven to be a particularly strong time-saving tool at the hall, working with user-specific memory inputs on each amplifier to recall presets for application-specific configuration patterns. GPI inputs and outputs on each amplifier were used to build a set of switches and indicators in the control room.

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P-RL series amps allow remote control and supervision of up to 250 amplifiers over CAN network. Other industry-leading features include: RACEprocessed presets for EV loudspeakers; Real-time supervision of amplifier operation and loudspeaker load; Automated system checks including full bandwidth measurement of connected loudspeakers; Dynamic range of 115 dB: Built-in state-of-the-art DSP.



Left to right: Takayuki Ozaki (EVI Audio Japan : system tuning) Hiroki Nakamura (Sales Manager, EVI Audio Japan) Mr. Moritoshi Umikawa (Audio Engineer, Omachi-City Culture Hall) Toshiyuki Ito (Sales Manager, Ueda JRC) Masahiro Shirasaki (Field Engineer, Ueda JRC) Kunitake Serizawa (back) (Field Engineer/System Integrator, Ueda JRC) Tatsuo Kitamura (front) (Field engineer, Ueda JRC) Shigeo Makita (EVI Audio Japan: Remote Amp and IRIS configuration)

Equipment list:

Proscenium central cluster: (10) **EV X^{LC} 127+** (4) **EV X^{LC} 118**

Proscenium side speaker (stage left and right) for both sides:

(6) EV Xi-1152/64F

Pro Audio Group

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- (2) EV Xi-1191
- (2) EV Xi-1082

Front fill (under the stage)

(6) **EV S-40**

Effect speaker (rear of the seating area)

(4) EV EVI-15

Stage speaker

- (2) Dynacord CP 15-3
- (2) Dynacord CP 18-1

Side fill monitor (fold back) speaker

(2) EV Xi-1082

Dressing room / Staff room speaker

EV S-40TB

Lobby

EV S-40B

EV Xi-1082

Remote Amps (Power amplifier with DSP)

- (8) EV P-3000RL
- (11) EV P-1200RL
- (1) EV P-900RT
- (7) EV P-900RL
- (2) **EV UCC 1**

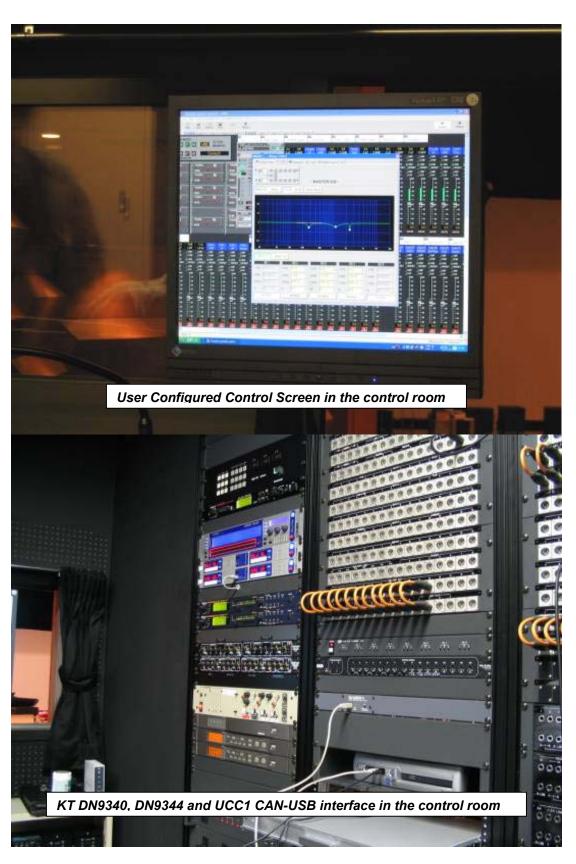
Digital equalizer

- (1) Klark-Teknik DN9340 Helix
- (2) Klark-Teknik DN9344 Helix Slave

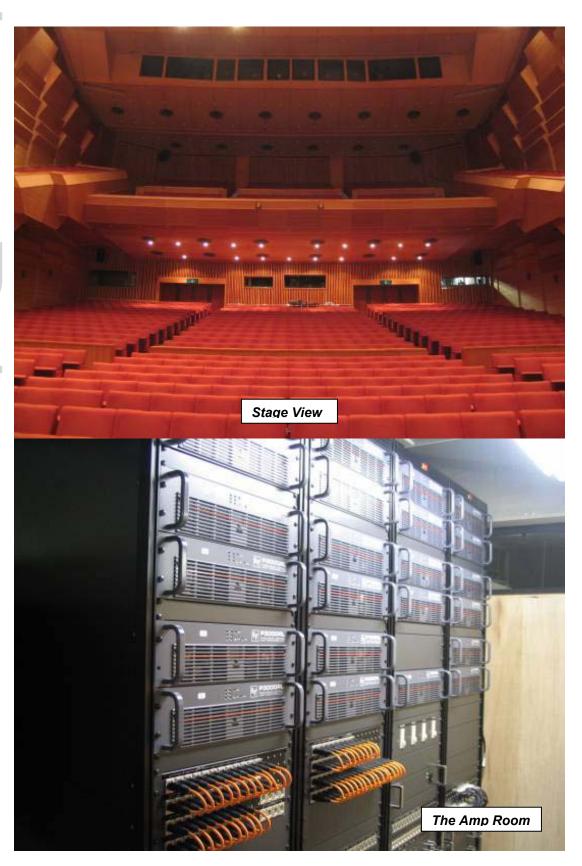
(more photos)

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(more)

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For full details on the above products, please visit

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www.telex.com

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James Edlund
Public Relations Manager
Telex Communications, Inc.
12000 Portland Ave. South
Burnsville, MN 55337
Phone: 952-736-3901

Fax: 952-736-4582

james.edlund@us.telex.com

Guy Low Public Relations Producer Telex Communications, Inc. 12000 Portland Ave. South Burnsville, MN 55337

Phone: 952-736-3935 Fax: 952-736-4582

guy.low@us.telex.com

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