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## **Symetrix DSPs Help Taiwan's ITRI Prepare For a New Era of Industrial Development & Debate**

*Symetrix SymNet Radius 12x8 devices provide efficient processing for newly-revamped conference facility at the Industrial Technology Research Institute.*

**HSINCHU, TAIWAN — MARCH 2015:** From its base in Taiwan, the Industrial Technology Research Institute (ITRI) has been playing a leading role in transforming the country's economy from a basis in labour-intensive industry to one founded on high-tech sectors since 1973. It stands to reason that such a forward-looking organisation has consistently kept pace with evolving audio-visual requirements, and in its latest project ITRI has opted to overhaul Room 604 – the facility most frequently used for important conferences and presentations.

Locally-based Seapower Technology Company Limited was enlisted to achieve an update of the equipment for conferencing and video-conferencing applications. Ease of use and avoiding feedback between speakers and microphones in the compact, 40-seat room were specific priorities, says Seapower's Hsiao Chia-Hsing, who worked on the project alongside installer Sunway Ltd.

"We decided not to select a traditional conference microphone system and opted to use boundary microphones instead," says Chia-Hsing. "For the routing and processing, we had to have the ability to mix each mic input independently and adjust the volume going to any independent speaker. Audio for the occasions on which video conferencing is used also needed to be as simple as possible."

As a long-time aficionado of Symetrix devices – indeed, Chia-Hsing recalls using a SymNet DSP on the very first day of working at Seapower in 2010 – there was never much question about the choice of DSP for the project. Ultimately, Chia-Hsing determined that a pair of SymNet Radius 12x8 open architecture Dante-scalable DSPs would do the job, along with a single Symetrix ARC-2e wall panel remote for the purposes of volume and preset control.

"We needed a lot of inputs and output channels for this installation, and with SymNet Radius 12x8 we have 12 mic/line inputs as well as eight outputs," says Chia-Hsing. "The ability to configure with SymNet Composer software using more than 600 DSP modules, and the inclusion of support for Audinate's Dante media networking technology are other primary benefits. With this feature-set, it really is a very powerful piece of equipment!"

Now available with a configurable input/output option card slot to further optimise channel count and known as Radius 12x8 EX, this DSP remains a flagship of the Symetrix range worldwide. Back at ITRI, the two SymNet Radius devices are now positioned at the core of a high-quality audio specification that also includes four Quad Industrial C6-16 in-ceiling speakers and a quartet of Peavey PVi 1000 amplifiers.

"In conjunction with the Symetrix equipment, the Quad Industrial speakers really help us to get a good, clear sound for our guests – for example, boosting the low and mid frequencies when required," says Chia-Hsing. "The brief was to provide a system suitable for the demands of the new age of conferencing. With this high-capability set-up, we believe we have done this – and more."

[www.symetrix.co](http://www.symetrix.co)  
[www.seapowertech.com](http://www.seapowertech.com)  
[www.itri.org.tw](http://www.itri.org.tw)

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**ABOUT SYMETRIX: Dedicated to making life sound better for almost 40 years.**

With a current and broadly-based product portfolio that encompasses both open architecture (Edge, Radius 12x8 EX, Radius AEC, Solus) and fixed architecture (Jupiter, Zone Mix 761) solutions, Seattle, USA-based Symetrix is the global leader in digital audio signal processing. From a founding base in the studio and MI communities, Symetrix has emerged to take a defining role in commercial audio, its products now a default choice for large-scale installations in performance venues, sports arenas, educational establishments and many more. Benefiting from a worldwide distribution network that has seen its products specified in over 100 countries, Symetrix nonetheless continues to spearhead the entire design and build process from its Seattle HQ. The manufacturer is now enhancing its readiness for a new era of AV networking through its licensing partnership with Audinate, whose world-leading Dante media networking solution is fully integrated into the SymNet DSP platform.

For hi-res media files on the Symetrix product portfolio, please [click here](#).

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