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NEC Electronics, Tao Group and Zentek Technology to showcase DVB MHP reference solution at IBC

New product for set-top box manufacturers and broadcasters to make MHP broadcasts interoperable

REDWOOD CITY, Calif. – Sept. 2, 2003 – NEC Electronics, Zentek Technology Group and Tao Group pre-announced the public demonstration of Zentek's MediaStack-MHPTM for EMMArchitecture2TM product with Tao's intent® platform at the International Broadcasting Convention (IBC) Sept. 12-16, 2003, in Amsterdam, Netherlands.

IBC is the 'World Cup' of the broadcast industry, where the latest technical developments are unveiled. The Zentek product demonstrates the first generation of a new class of client solutions that can, in the future, be upgraded to full personal video recorders (PVR). Thanks to Zentek's experience in testing and validation and to Tao's certified products, the goal of interoperability among applications for all MHP broadcasts becomes demonstrable, an objective that until now had been largely an aspiration.

MediaStack-MHP is the Zentek product family of portable multimedia home platform (MHP) software solutions. These products enable delivery of enhanced digital television applications and services in digital broadcast streams for markets that follow digital video broadcast (DVB) standards. The market for DVB products continues to grow with support from countries outside of the United States, including South Korea, Australia, Singapore, Germany, Finland and China.

"As standards based on DVB MHP start taking hold in key digital television markets around the globe, it is crucial that flexible reference designs become available. NEC Electronics, Zentek and Tao have been



working together to provide such an offering,” said Daniel Tannière, general manager, Mobile and Consumer Business Unit, NEC Electronics.

EMMArchitecture2 is part of the second generation of NEC’s integrated digital television devices, which range from very-low-cost television set-top box solutions to DVD recorders. This flagship product in NEC’s line-up of system-on-chip, set-top box products has been deployed by several pay-TV operators and retail manufacturers. EMMArchitecture2 allows for future upgrades to two-tuner PVRs and cable modems. The device, which operates at broadband speeds and includes advanced video and graphics support, is ideally suited to cost-sensitive set-top box manufacturers and broadcasters.

“Together we have developed an integrated client reference solution that reduces MHP development risk for digital set-top box and television manufacturers,” said Shozo Ohtani, president and chief executive officer, Zentek Technology Group. “Zentek is delighted to name NEC Electronics and Tao as Zentek MHP development partners. We look forward to delivering production product to our mutual customers.”

Tao Group has developed intent, a binary, portable, language-independent, high-performance multimedia platform that is now used by many of the world's leading OEMs. Tao Group’s intent is independent of operating systems, hardware and programming languages; it allows manufacturers the freedom to choose different building blocks for each device while maintaining cross-device functionality.

“Tao's intent multimedia platform is now a major player for the current generation of client devices,” said Francis Charig, chairman and chief executive, Tao Group. “While Tao’s spotlight has always been first on the consumer and second on the technology, our intent offering is further strengthened by products delivered in collaboration with world-leading semiconductor and software companies such as NEC Electronics and Zentek. By using intent, all of these products can be delivered within a single, integrated, scalable platform.”

IBC information

NEC Electronics and Tao Group will be demonstrating Zentek’s MediaStack-MHP for EMMArchitecture2 with Tao Group’s intent for MHP at IBC in Hall 1, Stand 222. To schedule a demonstration and interview with Zentek, NEC and Tao Group commercial and technical executives, contact Ms. Orlina Bautista, +1 650 482-9100, obautista@zentek.com.



About Zentek Technology Group

Zentek, a DVB member, develops software and provides engineering services for the digital consumer electronics market with a focus on two areas: digital television and mobile digital devices. The company pioneered mobile device emulation tools that shorten product development cycles. Zentek Technology Group's U.S. headquarters is in Redwood City, California. The company was founded in 1997 and is a subsidiary of Zentek Technology Japan, Inc. with shares traded on the Japan New Market, code 4296. The company also has offices in Tokyo and Osaka in Japan, and in Singapore. Further information can be found at www.zentek.com.

About NEC Electronics (Europe) GmbH

NEC Electronics (Europe) GmbH, headquartered in Duesseldorf, Germany, is a leading developer, manufacturer and supplier of semiconductor products in Europe. Committed to meeting customers' cost, performance and time-to-market requirements, the company offers solutions ranging from standard products to system-on-a-chip (SoC) solutions, as well as customized products for next-generation designs. NEC Electronics also offers customers the benefit of state-of-the-art manufacturing locally in Europe, besides the global production of its parent company, NEC Electronics Corporation. Additionally, NEC Electronics (Europe) GmbH is the exclusive European sales and marketing channel of LCD and PDP modules from NEC LCD Technologies Ltd. For more information visit www.ee.nec.de.

About Tao Group

Tao has developed intent®, a binary portable, language independent, high performance, multimedia platform that is now used by many of the world's leading OEMs in their client products for home and mobile networks. The technology allows these companies to have a single strategy across all of their platforms, irrespective of operating system, hardware and function. intent is now being used in products including smart mobile appliances and digital television. The company was founded in 1992, has offices in the United States, Europe and Japan and counts Motorola, Mitsubishi, Sony, NEC, Kyocera, and Sharp among its investors. Tao has a growing and high value, global patent portfolio and is the recipient of multiple industry awards, both for its technologies and for the rate of corporate growth. intent® is a registered trademark of Tao Group Ltd., www.tao-group.com.

DVB and MHP are registered trademarks of the DVB Project.



Forward-Looking Statements

Statements in this release that are "forward-looking statements" are based on current expectations and assumptions that are subject to risks and uncertainties. Actual results could differ materially because of a variety of market factors. For additional information contact Zentek Technology Group investor relations department at +81-3-5298-8100 or visit www.zentek.com/eng/ir/index.html.