

**SILTERRA AND NOVELICS DEMONSTRATE LOW POWER COOLSRAM-1T™**  
*1T MEMORY SOLUTION OFFERS COST ADVANTAGE AND LOW LEAKAGE POWER*

**Kulim, Malaysia and Aliso Viejo, California (March 20, 2007)** – Memory design specialist Novelics and Silterra Malaysia Sdn. Bhd. today announced that the companies have successfully demonstrated Novelics’ coolSRAM-1T® ultra-high-density memory intellectual property (IP) in Silterra’s 0.13-micron CMOS process. This memory is substantially smaller than those commonly implemented in today’s system-on-chip (SoC) designs, resulting in significant cost savings for a wide range of end products.

Based on Novelics’ patented memory architecture, coolSRAM-1T is a complete memory sub-system that includes the cell arrays, associated logic, and self-refresh circuitries, making it a simple drop-in solution. coolSRAM-1T is based on standard CMOS process technology and requires no extra mask layers or doping.

The coolSRAM-1T is generated by Novelics’ MemQuest™ memory compiler to provide high flexibility, productivity, and efficiency. The compiler can generate any macro size and configuration.

“Some of our customers require several megabits of embedded memory to improve performance and lower the overall system cost. The coolSRAM-1T is a very attractive solution for them,” said Kevin Bligh, Vice President of Worldwide Sales and Marketing for Silterra. “It is an enabling technology for the applications that we have targeted for our CL130G process.”

Customers can benefit from coolSRAM-1T to reduce die size and cost. Novelics’ coolSRAM-1T memory IP can offer more than double the density of traditional SRAM blocks. coolSRAM-1T’s efficient architecture also reduces leakage power consumption.

“The strategic partnership with Novelics enables Silterra to bring a scalable and innovative coolSRAM-1T IP solution to semiconductor market.” Farzad Zarrinfar, President of Novelics, stated. “We are excited to offer coolSRAM-1T to Silterra customers to allow them to reduce the size of large embedded memories and decrease leakage power consumption for applications such as wireless and portable devices”.

Novelics and Silterra plan to jointly market coolSRAM-1T memory IP to their customers. coolSRAM-1T is available now from Novelics in Silterra’s CL130G process.

Silterra’s production proven CL130G, a leading foundry matched CMOS technology, is an all-copper process with fully characterized mixed-signal and RF options. An extensive portfolio of design intellectual properties (IP) and libraries optimized for the process are available to customers.

**About Silterra Malaysia Sdn Bhd:**

Market demand driven, Silterra Malaysia Sdn Bhd is a semiconductor wafer foundry offering major foundry compatible CMOS logic, high-voltage and mixed-signal/RF technologies down to 0.13-micron feature size. This includes complete, competitive contract manufacturing for fabless and IDM customers' designs. Silterra's wafer fab has a design capacity of 40,000 eight-inch wafers per month.

Environmentally vigilant, Silterra delivers award winning, world-class performance to its customers seeking flexible capacity, competitive advantages and around the clock customer support. Silterra is ISO 9001:2000 and ISO 14001 certified. Founded in 1995, the company's headquarters and factory are located in Malaysia's Kulim High-Tech Park, and Silterra has sales and marketing offices in San Jose (California) and Hsinchu (Taiwan).

For additional information on Silterra or its services, please visit [www.silterra.com](http://www.silterra.com).

**About Novelics:**

Novelics, headquartered in Aliso Viejo, California, supplies a portfolio of innovative embedded memory IPs for low power and high performance ASICs, ASSPs, and SoC designs. Novelics' compiler-driven 'cool' and 'zero-leakage' Memory IPs include OTP, SRAM-1T, SRAM-6T, high Speed Cache, Register-Files, CAM and ROM.

These differentiated memory IPs are implemented with standard logic CMOS process with no additional masks or process steps to minimize cost, as well as maximize reliability and portability.

Our customers compete in low power consumer, industrial, wireless applications, high speed computing and networking. For more information, please visit [www.novelics.com](http://www.novelics.com) or email a request to 'info@novelics.com'.

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