



Corporate Backgrounder

Business Summary

Stretch®, a fabless semiconductor company, provides software configurable processors and software development tools for compute-intensive applications. Embedded system design engineers can automatically configure Stretch's off-the-shelf processors to achieve extraordinary performance by using standard C/C++ programming methods and Stretch software development tools. The company's solutions help designers accelerate their performance-hungry applications, such as those in the video and wireless markets, and achieve significant cost savings.

Market Need/Opportunity

In today's highly competitive market, design cycles are shorter and pricing pressure has reduced margins. With increasingly complex design requirements and new process technologies making the design of Application Specific Integrated Circuits (ASICs) prohibitively expensive, companies are turning towards software defined architectures to speed up development and reduce costs. Approaches that use traditional microprocessors and digital signal processors, however, often fall short of the performance levels needed. Stretch software configurable processors bridge the gap and provide the performance of a hardware solution with the time-to-market and cost advantages of a software approach.

Stretch Differentiation: Software Configurable Processing

Software configurable processors offer the time-to-market advantages and development ease traditionally associated with a general-purpose processor or a DSP-based system, with the performance boost of programmable logic. By offering this way to combine software programmability with programmable logic—embedding the logic inside the processor architecture and programming this fabric using a conventional, standard C/C++ software-only environment—Stretch products make software configurability accessible to embedded system designers. Key advantages of Stretch processors and development environment include:

- *Accelerated performance
- *Shortened development time and time-to-market
- *Lowered system costs

Products

Stretch S6000 family software configurable processors are powered by the Stretch S6 SCP Engine and incorporate the Tensilica Xtensa LX VLIW processor core, a second generation Instruction Set Extension Fabric (ISEF), and a tightly coupled programmable accelerator. Stretch has also developed a series of PCIe digital video recorder (DVR) add-in cards that are available as OEM units or as fully featured reference design kits, along with reference designs for both high definition and D1 resolution internet protocol (IP) cameras.

Stretch's comprehensive development environment includes software development tools and a full range of support, including training courses and Partner Programs.

Application Focus

Stretch's processors can accelerate the toughest compute-intensive applications in virtually any market, including, but not limited to:

- *Security and Surveillance
- *Broadcast Video
- *Wireless Communications (WiMAX)
- *Industrial Imaging

Partners

Stretch creates alliances with industry leaders to bring customers an ecosystem of development platforms, software products, and design services.

Funding

Founded in March 2002, the company has received \$116 million from tier-one venture capital firms, including: Worldview Technology Partners, Oak Investment Partners, and Menlo Ventures.

Executive Management Team

- ❖ Craig Lytle, President & Chief Executive Officer
- ❖ Albert Wang, Founder & Chief Technical Officer
- ❖ Robert K. Beachler, Vice President of Marketing, Operations, Systems Design
- ❖ Sammy Cheung, Vice President of IC Design
- ❖ Don MacMillen, Vice President of Software Engineering
- ❖ Thomas Stengel, Vice President of Sales

Board of Directors

- ❖ James Wei, General Partner & Co-Founder, Worldview Technology Investment Partners
- ❖ Bandel Carano, General Partner, Oak Investment Partners
- ❖ Hal Calhoun, Managing Director, Menlo Ventures
- ❖ Craig Lytle, President & CEO, Stretch Inc.

Corporate Headquarters

1322 Orleans Drive
Sunnyvale, CA 94089
Telephone: 408-543-2700
Fax: 408-747-5736
Web: www.stretchinc.com
sales@stretchinc.com

Japan Office

16F, Shinjuku Mitsui #2 Bldg.
3-2-11 Nishi-Shinjuku
Shinjuku-ku, Tokyo 160-0023
Telephone: +81 3 5339 6284
Fax: +81 3 5339 6285
sales-japan@stretchinc.com

Europe Office

Schwarzer Weg 15
Krefeld, Germany 47809
Telephone: +49 2151 521 425
Fax: +49 2151 521427
sales-europe@stretchinc.com

© 2009 Stretch Inc. All rights reserved. Stretch, the Stretch logo and Extending the Possibilities are registered trademarks of Stretch Inc.