

PhotonIC

About PhotonIC Corp

APIC CORPORATION

5800 Uplander Way
Culver City, CA 90230
Tel: (310) 642 7975
Fax: (310) 642-7829

PhotonIC Corporation is becoming a market leader in the development and production of next-generation products for such high-growth industries as mobile telephony, gaming, and high-end computing.

PhotonIC Corporation silicon photonic technology holds the key to fulfilling market demands for higher speed, efficiency, and processing power at lower costs. This technology allows for the integration of optical and electronic components on a single substrate - silicon photonics combines the functionality of conventional electronic devices with the reduced power consumption, diminished latency, and vastly increased bandwidth and transmission speed of photonic solutions.

PhotonIC Corporation has long realized that current silicon electronics technology is rapidly approaching its limit, inhibited by thermal and bandwidth bottlenecks resulting from the physical limitations of the copper wiring on which it is based. As a result, traditional microelectronic devices are falling short of meeting market needs.

PhotonIC Corporation is already ahead of the curve by applying proprietary technologies to the development, fabrication, and production of highly integrated photonic and electronic (HIP/E) components and devices.

PhotonIC Corporation also brings to bear proprietary, CMOS-compatible manufacturing processes, along with a highly developed in-house fabrication facility, that allow us to optimize the performance of our products while dramatically lowering manufacturing costs.

PhotonIC Corporation – in short - combines the processing methodologies of conventional integrated circuits with novel photonic circuit designs to produce highly integrated, silicon-based products that will meet the need for enhanced system performance at lower cost for generations to come.

Corporate History

APIC Corporation was incorporated in Delaware on July 1999. APIC is a small high tech company based in Los Angeles, California, that is focused on commercializing photonic integrated circuits (PICs) for optical networks, using Silicon-on-Insulator (SOI) technology. The company is addressing the explosion in bandwidth needs by delivering a new generation of modules and subsystems to optical networking equipment suppliers. This new generation integrates multiple discrete elements onto a single substrate, based on production techniques and materials technology used extensively in the semiconductor industry. These new products provide greater functionality and improved reliability in a smaller footprint and at lower costs.

In 2000, APIC was successful in raising \$500,000 from a large chip making corporation for SOI processing development and for processing facility planning. In 2001, APIC founders were on the road to raise the first round of financing from the venture capital community. Due to the 9-11 terrorist attack tragedy and the collapse of the stock market, APIC could not close its first round. In 2002, APIC management changed the company strategy by focusing on defense business. APIC was awarded three contracts at the beginning of 2003. APIC's backlog is in the \$10 million range and we expect to reach \$8 million in revenue this year.

In addition to U.S. government contracts, APIC is developing commercial products. Among the products developed by the team are SOI-based optical waveguides and optical switches, germanium-based optical detectors fabricated on an SOI substrate, and InGaAsP-based devices such as an optical laser and amplifier. These are key components for many optical network markets.