

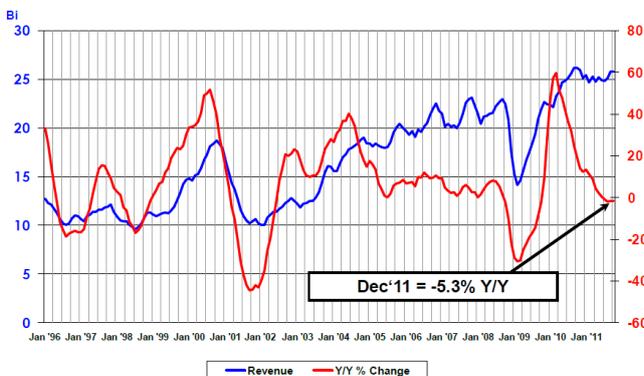
Τετάρτη, 22 Φεβρουαρίου 2012

Αγαπητοί αναγνώστες καλημέρα σας,

Σύμφωνα με [δελτίο τύπου](#) της Ένωσης της Βιομηχανίας Ημιαγωγών στις Η.Π.Α. ([SIA](#)), οι πωλήσεις για το 2011 έφτασαν το ρεκόρ των \$299.5 δισεκατομμυρίων, 0.4% πάνω από το αντίστοιχο ποσό του 2010. Τα οπτο-ηλεκτρονικά, οι αισθητήρες και οι ενεργοποιητές (actuators) παρουσίασαν τη μεγαλύτερη αυξητική τάση καθώς και οι μικροεπεξεργαστές. Τα LED's και αισθητήρες εικόνες (image sensors) οδήγησαν την ανάπτυξη στον τομέα των οπτο-ηλεκτρονικών, με τις πωλήσεις του κλάδου να ανέρχονται στα \$23 δισεκατομμύρια, ποσό που αντιστοιχεί σε μια αύξηση της τάξης του 6.4% σε σύγκριση με προηγούμενο χρόνο.

Worldwide Semiconductor Revenues

Year-to-Year Percent Change



Source: WSTS

Το 2012 η βιομηχανία των ημιαγωγών αναμένεται να ανακάμψει ακόμα περισσότερο κυρίως λόγω καθυστέρησης των πωλήσεων μέσα στο 2011 που οφείλεται σε διακυμάνσεις στην δυνατότητα παραγωγής, οι οποίες θα πραγματοποιηθούν εφέτος. Επιπροσθέτως, οι κύριες εταιρείες ημιαγωγών ανακοίνωσαν σχέδια για καινούρια ερευνητικά προγράμματα και έργα που θα αποτελέσουν βάση για τη μακροχρόνια ανάπτυξη του κλάδου.

Στην ενότητα 2 αυτού του Newsletter θα βρείτε ενδιαφέροντα άρθρα που θα σας δώσουν μια καλή γεύση για αυτό που έρχεται, τουλάχιστον από την πλευρά της τεχνολογίας.

Καλή συνέχεια στην προσπάθειά σας,

Δημήτρης Παπαϊωάννου

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1. Επενδύσεις Ιανουαρίου 2012

Company Name	Url	Industry Tag	Business Activity	Funds Raised	Funding Round	Investors
AIC	www.activeimplants.com	Medical Devices	AIC is an orthopaedic medical device company creating pliable material and innovative designs in the creation of early life, less invasive implant solutions that restore closer to natural function.	\$10M		
AQT Solar	www.aqtsolar.com	Photovoltaics	AQT Solar is at the forefront of capital-efficient thin-film solar cell manufacturing technology. Its mission is to achieve the best cost/performance ratio of any solar cell manufacturer.	\$18.7M		
Avinger, Inc.	avinger.com	Medical Devices	Avinger, Inc., a medical device company, engages in developing catheter-based technologies for treating vascular diseases. It offers Wildcat, a catheter that helps physicians in treating peripheral artery disease.	\$22.5M		
Avnera	www.avnera.com	Semiconductors	Avnera is developing low-power semiconductors for the wireless audio and video market	\$11M	Seed	Altien Ventures, Bessemer Venture Partners, Best Buy, DAG Ventures, Intel Capital, JAFCO American Ventures, Onkyo, Panasonic Venture Group, Polycom, Redpoint Ventures (over the

entire funding cycle)

BBN Technologies	www.bbn.com	Networking	BBN Technologies has churned out technologies ranging from packet switching (1969) to the first network email (1971) to the first router (1976).	\$5.5M
Bioecon	www.kior.com	Energy	Dutch biofuels startup Bioecon and Khosla Ventures have launched a joint venture called Kior, which will commercialize Bioecon's process for converting agricultural waste directly into "biocrude," a mixture of small hydrocarbon molecules that can be processed into fuels such as gasoline or diesel in existing oil refineries.	\$75M
Bionic Panda Games	bionicpandagames.com	Mobile Games	Bionic Panda Games is an Android-focused mobile social games company based in San Francisco, CA. Founded in 2010, the company has assembled a strong team with deep backgrounds in mobile and social game development. The company's first game, Aqua Pets, is live in the Android Market today.	

Bluefin Labs	www.bluefinlabs.com	Video Software	Bluefin Labs is a social TV analytics company providing solutions to brand advertisers, advertising agencies, and TV networks. Bluefin Labs' technology and data enable clients, for the first time, to tap into data at scale that links people's social media commentary to the shows and commercials they watch on TV.	\$12M		
Bluespec	www.bluespec.com	Semiconductors	Control logic software for chip design	\$1.5M	Seed	Atlas Venture, North Bridge Venture Partners
BridgeWave Communications	www.bridgewave.com	Wireless	BridgeWave Communications is a supplier of outdoor Gigabit wireless connectivity solutions. BridgeWave's point-to-point, wireless solutions are typically deployed in mainstream enterprise and service provider network applications and are poised to play a key role in the migration to 4G mobile network backhaul.	\$10.3M		
Cadence Biomedical	cadencebiomedical.com	Medical Devices	Cadence Biomedical, headquartered in Seattle, WA, is an early stage medical device company that is committed to helping the 2.3 million Americans who suffer severe mobility impairments to gain a more mobile and independent life.	\$750k		

Carticept Medical	www.carticept.com	Medical Devices	Carticept Medical develops therapies to improve the quality of life of patients with osteoarthritis or cartilage damage. Carticept currently offers a cartilage implant product and distributes Sonosite ultrasound products.	\$10M
ConforMIS	www.conformis.com	Medical Devices	ConforMIS is a privately held medical device company based in Massachusetts. It was founded in 2004 to provide dramatic advancements in patient care by utilizing imaging technology to create personalized, patient-specific implants and instrumentation.	\$89M
CytoPherx	www.cytopherx.com	Medical Devices	CytoPherx, Inc. is a venture-backed, clinical stage medical device company addressing inflammation-based diseases and conditions with a proprietary selective cytopheresis system.	\$34M
drchrono	drchrono.com	Healthcare	drchrono is a medical platform for doctors and patients. drchrono is a culmination of people passionate in crafting only the best cloud healthcare EHR platform & community.	\$2.8M
Edison Pharmaceuticals	edisonpharma.com	Life Sciences, Healthcare	Edison Pharmaceuticals is a patient- and physician-founded company devoted to developing new medicines to transform the lives of children and adults diagnosed with rare and neglected diseases.	\$4.1M

ELAN Microelectronics	www.emc.com.tw	EDA	ELAN Microelectronics Corporation is an IC design house founded in May of 1994 to embark in the R&D of integrated circuit and offers touchpad module solutions.	\$5M
Element ID, Inc.	www.element-id.com	Wireless, RFID	Element ID, Inc. designs, manufactures, and markets high performance readers and specialty industrial automation equipment and systems for the rapidly growing RFID market.	\$50k
Enovex	www.enovexcorp.com	CleanTech	Enovex, Saint John, New Brunswick (Canada)-based clean technology company developing advanced gas separation materials.	\$1.1M
EyeIC	www.eyeic.com	Medical Devices	EyeIC is a cutting-edge medical technology firm dedicated to commercializing imaging technologies for medical applications.	\$150k
Eyeview	www.eyeviewdigital.com	Video Software	Eyeview provides personalized video advertising technology across all screens. By seamlessly integrating real-time messaging into video creative, Eyeview's solution delivers a broadcast quality, individualized viewing experience to amplify brand messaging making video more relevant and effective.	\$5.25M

Fitbit	www.fitbit.com	Sensors, Wireless, Medical Devices	Fitbit inspires people to exercise more, eat better and live healthier lifestyles. The company is developing an ultra-compact wireless wearable sensor, called the Fitbit Tracker, that automatically tracks data about a person's activities, such as calories burned, sleep quality, steps and distance.	\$12M
FlexEnergy	www.flexenergy.com	Energy	FlexEnergy has developed the "FlexPowerstation", a small and modular power plant that converts low Btu fuels into electricity with very low emissions.	\$18M
Glori Energy	glorienergy.com	Energy	Glori Energy's mission is to cleanly and safely recover billions of barrels of oil that are trapped in existing well reservoirs without having to drill a single new well. Glori partners with oil producers to install the AEROTM (Activated Environment for Recovery of Oil) System to significantly increase oil production.	\$20M
GlySure	www.glysure.com	Medical Devices	GlySure has developed a continuous intravascular glucose monitoring system using a proprietary optical fluorescence sensor to meet the \$2B+ worldwide demand for implementation of Tight Glycemic Control (TGC) in the hospital Intensive Care Unit (ICU).	

Holganix	www.holganix.com	Natural Resources	Holganix (whole-gan-x) is a cost-efficient, natural way to get thick, green, healthy lawns and trees while reducing the use of fertilizers by as much as 90%. Instead of chemicals, it uses natural microorganisms that turn a small amount of fertilizer into the most effective lawn and tree treatment available.	\$200k
InCytu	www.incytu.com	Medical Devices	InCytu is a therapeutic device engineering company developing immunotherapeutic and tissue regeneration products to transform personalized medicine.	\$1.86M
Joslin Diabetes Center	www.joslin.org	Medical Devices	Joslin Diabetes Center, a teaching and research affiliate of Harvard Medical School, is a one-of-a-kind institution on the front lines of the world epidemic of diabetes leading the battle to conquer diabetes in all of its forms through cutting-edge research and innovative approaches to clinical care and education.	\$10.8M
Joule Unlimited, Inc.	www.jouleunlimited.com	Energy	Joule Unlimited, Inc. produces infrastructure-compatible fuels directly from sunlight and waste carbon dioxide. It captures sunlight to produce energy in liquid forms, such as diesel and ethanol, as well as uses waste carbon dioxide as a sole feedstock to produce liquid fuels.	\$70M

King Solarman	king-solarman.com	Photovoltaics	King Solarman is the premier provider of both residential and commercial solar panels and solar inverters and solar finance. Our wide variety of products are applicable and efficient in any application, from the family home, to some of the largest corporate campuses in the world and the utility company.	\$10M	
Marseille Networks Inc.	www.marseilleinc.com	Semiconductors	Video processing and upconverting semiconductors	\$10M	Seed
MC10, Inc.	mc10inc.com	Semiconductors	MC10, Inc. develops stretchable silicon for the microelectronics industry.	\$2M	
Mevion Medical Systems, Inc.	www.mevion.com	Medical Devices	Mevion Medical Systems, Inc. (formerly Still River Systems, Inc.) is a radiation therapy company dedicated to advancing the treatment of cancer. As the pioneering developer of modern proton therapy systems, Mevion provides innovative, safe, and effective solutions by transforming advances in medical technology and science into practical clinical reality.	\$45M	
MicroPower Technologies	www.micropowerapp.com	Consumer Electronics	MicroPower Technologies is the creator of the world's most power-efficient wireless video camera technology. MicroPower has developed an innovative video security system which completely eliminates the need for wires for both power and data.	\$6.5M	

Midatech	www.midatechgroup.com	Nanomedicines	Midatech is at the forefront of designing, developing, synthesizing and manufacturing nanomedicines based on its proprietary, self assembling biocompatible nanoparticle technology.			
MTPV Corporation	www.mtpv.com	Energy	MTPV Corporation is a clean energy company focus on innovations in Micron-gap ThermalPhotoVoltaics technology (MTPV).	\$3.25M		
NeuroLogica Corporation	www.neurologica.com	Medical Devices	NeuroLogica Corporation, located in the Boston metro area, conceives, designs, engineers, manufactures and markets innovative medical imaging equipment for healthcare facilities and private practices worldwide.	\$12M		
Nexenta Systems, Inc.	www.nexenta.com	Storage	Nexenta Systems, Inc. is the leader in open source enterprise class storage solutions. Nexenta's passion for breaking the chains forged by legacy storage products forms their mission statement: Enterprise Class Storage for Everyone.	\$21M		
Nimbic FKA Physware	www.nimbic.com	Semiconductors	Nimbic develops signal integrity and electromagnetics modeling software for the electronics industry. Formerly known as Physware	\$0.4M	Seed	Austral Capital, Madrona Venture Group, WRF Capital
Nitronex	www.nitronex.com	Semiconductors	itronex develops chips for wireless infrastructure	\$4.5M	Seed	Alloy Ventures, ARCH Venture Partners, Diamondhead Ventures,

Novogy Inc.	www.novogyinc.com	CleanTech	Stealthy cleantech startup Novogy Inc.	\$4M		
Picochip	www.picochip.com	Semiconductors		\$19.5M	Seed	AT&T Ventures
PowerVision	www.powervisionlens.com	Medical Devices	Belmont, Calif.-based PowerVision, a device company developing implantable intraocular lenses.	\$12.5M		
Prezacor	prezacor.com	Medical Devices	Prezacor®, Inc. develops and markets innovative pain management treatments. The company's flagship product, the Energeze™ Patch, is based upon the company's Energezics™ technology for addressing acute and chronic pain using low wavelength energy.	\$250k		
Qcept	www.qcept.com	Semiconductors	Semiconductor wafer inspection systems	\$4.0M	Seed	Pittco Capital Management, Siemens Venture Capital
RCD Technology	www.rcdtechnology.com	Wireless, RFID	RCD Technology is the industry leader in developing and manufacturing high performance RFID tags that are tailored to specific applications. Their experience, design expertise, and flexible manufacturing process, enables us to solve difficult and differentiated RFID problems.	\$160k		

Recon Instruments	www.reconinstruments.com	Sensors	Recon Instruments passionately leads the innovation of customized solutions for direct-to-eye communications. They integrate Micro Optics Display systems with state-of-the-art sensors and GPS technology, providing real-time access to navigation, communication, and performance-based information.	\$10M
Rivanna Medical	www.rivannamedical.com	Medical Devices	Rivanna Medical, LLC is a Virginia-based startup company whose core mission is to commercialize innovative ultrasound technology that lowers the cost of health care, improves patient outcomes, and reduces patient risk to radiation from X-ray-based medical imaging.	\$50k
S.E.A. Medical Systems	www.seamedical.com	Medical Devices	S.E.A. Medical Systems is a privately held medical device company dedicated to making intravenous (IV) drug delivery safer for patients. They are developing medical devices that catch serious or life-threatening intravenous drug errors before they harm patients.	\$3M
Semprius	www.semprius.com	Photovoltaics	Semprius is developing low cost, high performance concentrator photovoltaic (CPV) modules to make solar power generation economically viable in sunny, dry climates.	\$3M

SolarFlare Communications	www.solarflare.com	Semiconductors	SolarFlare is a fabless semiconductor company providing 1-10 Gigabit Ethernet over copper media	\$228M	Stealth	Acacia Venture Partners, Accel Partners, Amadeus Capital Partners, Anthem Ventures, Foundation Capital, IDG Ventures, Intel Capital, Miramar Venture, Partners, Oak Investment Partners, Sequoia Capital, Windward Ventures
SOLX	www.solx.com	Medical Devices	SOLX is a Glaucoma device company with a portfolio of products related to reducing, managing, and measuring IOP in the human eye.	\$3.25M		
Stretch	www.stretchinc.com	Semiconductors	Reconfigurable processor technology and chips	\$5.1M	Round C	Menlo Ventures, Oak Investment Partners, Worldview Technology Partners
Sungevity	www.sungevity.com	Solar Energy	Sungevity specializes in remote solar design and installation of home solar electric systems and is proving that going solar is easy, a good investment, and a viable way to reduce carbon emissions.	\$12M		
Sustainable Food Development	www.sustainablefooddevelopment.com	Natural Resources	Sustainable Food Development, Inc., a Denver, CO-based agricultural consumer food company.	\$525k		

SuVolta	www.suvolta.com	Semiconductors	SuVolta, a stealthy provider of low-power semiconductor technology	\$17.6M		
SuVolta	www.suvolta.com	Semiconductors	SuVolta is developing low power, CMOS IC technology which lowers power consumption in chips by 50 to 90 percent	\$17.6M	Round C	Kleiner Perkins Caufield and Byers, August Capital, Bright Capital
Talari Networks	www.talari.com	Networking	Talari Networks enables enterprises to combine multiple sources of diverse, abundant and affordable public WAN bandwidth to create a network that delivers consistent business-class performance and additional bandwidth comparable to or better than MPLS, but at a fraction of the cost.	\$4.5M		
ThermoEnergy Corporation	www.thermoenergy.com	Energy	ThermoEnergy Corporation (currently trading on the OTCC Bulletin Board under the symbol TMEN) is engaged in the worldwide commercialization of technically advanced, state-of-the-art technologies providing cost-effective and environmentally responsible solutions for air and water pollution problems.	\$2.63M		
Transcend Medical	www.transcendmedical.com	Medical Devices	Transcend Medical is focused on the research and development of novel devices for the treatment of glaucoma, the leading cause of adult irreversible blindness.	\$16M		

Varentec	www.varentec.com	Electronics	Varentec is developing technology at the intersection of power electronics and the grid to deliver critical new functionality that can help utilities enhance and transform their power delivery infrastructure, while keeping costs low.	\$7.7M
VideIQ	www.videoiq.com	Video Software	VideIQ, Inc. produces intelligent video surveillance systems. The company's products include Icvr intelligent IP cameras and encoders with video recording and analytics for building video analytics, content-aware storage, and intelligent networking into security cameras and encoders; and HD intelligent smart video analytics engines, which act as a digital guard, transforming video surveillance into a system for warning and security protection in various environment and under various conditions.	\$3.5M
VisionCare Ophthalmic Technologies	www.visioncareinc.net	Medical Devices	VisionCare Ophthalmic Technologies, Inc., a Saratoga, CA-based developer of advanced visual prosthetic devices designed to improve vision in patients with end-stage age-related macular degeneration (AMD).	\$4M

Vizimax	www.vizimax.com	Automation, Energy	Vizimax is an independent manufacturer of Automation Systems for Grid Modernization used by Power Utilities, Independent Power Producers ('IPPs') and Industrial Clients. Vizimax products contribute to making the electric grid more efficient, in lowering network outages by automating substations and interconnect renewable energy production sites to the grid, including wind farms, solar power and biomass production sites.	\$4.1M
WhipTail	www.whiptail.com	Storage, Networking	WhipTail commercialized the first all-flash enterprise storage array to address performance issues in data centers. Installed worldwide in numerous mission critical database, virtualization, and online environments, WhipTail's solid-state storage dramatically reduces delays related to hard disk contention and access times, allowing servers to process more data in dramatically less time – months to days, hours to minutes.	
	www.cambridgesys.com	Wireless	Cambridge Communication Systems Ltd (CCS), a Cambridge, UK-based newly formed technology company that intends to provide a cost-effective backhaul solution for the mobile infrastructure.	

2. Άρθρα σχετικά με το Venture Capital και γενικού ενδιαφέροντος:

- ❖ [Intel Considering Solar Powered Computer CPU Chip](#)
- ❖ [More fuel is needed to drive startup engines](#)
- ❖ [Beyond X PRIZE: The 10 Best Crowdsourcing Tools and Technologies](#)
- ❖ [Golden Gate Ventures: \\$10 Million Fund for SEA Startups Launches Today](#)
- ❖ [Single-atom transistor](#)
- ❖ [8 tips for entrepreneurs](#)
- ❖ [How Gordon Moore Invented the Talent Economy](#)
- ❖ [International Technology Roadmap for Semiconductors Outlines Next 15 Years of Innovation](#)

4. Παλαιότερα άρθρα που αξίζει να διαβάσετε:

- ❖ [VC Predictions for 2012](#)
- ❖ [Capital markets in 2025: The future of equity capital markets by PWC](#)

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Το Έργο «Παρατηρητήριο Κεφαλαίων Υψηλού Επιχειρηματικού Κινδύνου» χρηματοδοτείται από Εθνικούς πόρους και το Ευρωπαϊκό Ταμείο Περιφερειακής Ανάπτυξης μέσω του Εθνικού Στρατηγικού Πλαισίου Αναφοράς 2007-2013. Το Έργο εντάσσεται στο Π.Ε.Π. «Αττική 2007-2013» - ανατρέξτε στην Απόφαση Ένταξης του Έργου που γίνεται η σχετική αναφορά και επιλέξτε αντιστοίχως> στο πλαίσιο του Προγράμματος «Φάση-2 Ενίσχυσης Ελληνικών Τεχνολογικών Συνεργατικών Σχηματισμών στη Μικροηλεκτρονική». Το Πρόγραμμα, την παρακολούθηση του οποίου επιτελεί ο Ενδιάμεσος Φορέας Διαχείρισης «Corallia - Ελληνική Πρωτοβουλία Τεχνολογικών Συνεργατικών Σχηματισμών», έχει ως στόχο την επίτευξη μακροπρόθεσμου ανταγωνιστικού πλεονεκτήματος, την ανάπτυξη ενός οικοσυστήματος αριστείας και ενός βιώσιμου συνεργατικού σχηματισμού καινοτομίας, στη θεματική περιοχή των Ημιαγωγών, της Νάνο/Μικροηλεκτρονικής και των Ενσωματωμένων Συστημάτων.

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