



World Economic Forum names its 2005 Technology Pioneers

World's leading innovators cluster around electronic security, alternative energies, mobility technologies, biotechnology and enabling technologies.

Published: 12/6/04

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Geneva, December 6, 2004 — The [World Economic Forum](#) ("the Forum") today announced 29 companies selected as 2005's Technology Pioneers (See the full list below). The companies, whose products range from anti-terrorism software to possible treatments for cancer and Alzheimer's, were nominated by the world's leading venture capital and technology companies. The final selection from 114 nominees was made by a panel of leading technology experts appointed by the Forum.

To be selected as a Technology Pioneer, a company must be truly innovative. It must have a potential long-term impact on business and society. It is expected to show the signs of a long-term market leader. Its technology must be proven. And, it must have visionary leadership. Previous Technology Pioneers have included: Autonomy, Cambridge Silicon Radio, Encore Software, Google, Millennium Pharmaceuticals and Napster.

"It is not enough for companies to have developed a great technology these days," said Professor Klaus Schwab, founder and executive chairman of the World Economic Forum. "Timing is intrinsically important in deciding which technologies are successfully integrated into society. History shows us that successful technologies fulfilled an empty but important niche. These 29 companies are clearly addressing societal needs."

This year's winners reflect a population that is ageing, is weaning itself off a finite supply of fossil fuels and demands that technology increasingly be smaller and more mobile.

[Apax Partners](#), a strategic partner of the World Economic Forum and the Technology Pioneer programme, published today the third Technology Pioneers report, "[The Right Side of the Future](#)," a 31-page publication that includes profiles of the 29 Technology Pioneers for 2005 and additional analyses.

Dr. Peter Englander, partner at Apax Partners Worldwide LLP, said: "This generation of Technology Pioneers has focused on four major trends which we believe provide great opportunities: global demographic shifts, an impending energy crunch, the switch from fixed to mobile devices and heightened security concerns. It is always difficult to identify how these technologies will ultimately shape our future — but there is greater opportunity for success in addressing these issues."

The Technology Pioneers programme is run by the World Economic Forum with guidance from Apax Partners and Deloitte Touche Tohmatsu. Technology Pioneer 2005 companies include:

- Astex Technology in the UK is a drug development company that is designing and developing

new pharmaceuticals for cancer and Alzheimer's disease. Using high-throughput X-ray crystallography, the company can identify small molecular therapeutics that can accelerate the drug discovery process.

- cap-XX from Australia designs and manufactures the world's most advanced supercapacitors, which are high-power energy storage devices for use in portable electronic devices.
- Fractus, the first nominee from Spain, specializes in designing and manufacturing miniature multi-band antennas for wireless applications by applying the unique space-filling and multi-level properties of fractals in its technology design.
- PolyFuel from the United States has developed the only commercially-viable membrane for specific use in direct methanol fuel cell power systems. This membrane technology creates direct methanol fuel cell systems that deliver unlimited and unplugged runtimes for mobile computing and communication devices.

"Over the years, the Technology Pioneers programme has really evolved. We've seen an incredible variety of Pioneers — from companies with just a few employees to large million dollar corporations. Regardless of their size, all focus on making a positive impact on society. Many of the initial Technology Pioneers continue to have success and their innovations are now a part of everyday technology. This year's class will be no different. We congratulate their accomplishments to date and will be watching to see what may be next for them and what impact they will have on all of us," said Anne Taylor, chief strategy officer, Deloitte & Touche, USA.

The Technology Pioneers programme was created in partnership with Deloitte Touche Tohmatsu in 2000. The complete list of the 29 companies selected as Technology Pioneers for 2005 follows:

Companies Selected as Technology Pioneers 2005

Company	Representative	Title	Country
ArrayComm Inc.	Martin Cooper	Executive chairman and co-founder	USA
Arrayx Inc.	Lewis Gruber	Founder, chairman and CEO	USA
Astex Technology Ltd	Harren Jhoti	Founder and chief scientific officer	UK
cap-XX Pty Ltd	Anthony Kongats	Founder and CEO	Australia
Cornice Inc.	Curt Bruner	Co-founder and chief technology officer	USA
Fractus SA	Torbjörn Folkebrant	Chairman	Spain
Frontier Silicon Limited	Anthony Sethill	Founder and CEO	UK
Kiyon Inc.	Michael Nova	Founder and CEO	USA
Konarka Technologies Inc.	Howard Berke	Chairman and CEO	USA
Memory Pharmaceuticals Corp.	Alex Unterbeck	President and chief scientific officer	USA
Molecular Imprints Inc.	S.V. Sreenivasan	Co-founder and chief technology officer	USA
Nanofilm	Scott Rickert	President and co-founder	USA
Nexagent Limited	Charles Muirhead	President and founder	UK
ObjectVideo	Raul Fernandez	Chairman and chief executive officer	USA
PolyFuel	James Balcom	President and CEO	USA
Printar Ltd	Ron Zohar	CEO	Israel
Quantum Dot Corporation	George Dubar	CEO	USA

Raven Biotechnologies Inc.	Jennie Mather	Founder, president and CEO	USA
Red Swoosh Inc.	Travis Kalanik	CEO	USA
Sandbridge Technologies Inc.	John Glossner	Co-founder, executive VP and chief technology officer	USA
Sangamo BioSciences Inc.	Edward O. Lanphier II	President and CEO	USA
Sequenom Inc.	Toni Schuh	President and CEO	USA
Smart Fuel Cell AG	Manfred Stefener	Founder	Germany
Vanu Inc.	Vanu Bose	Founder, president and CEO	USA
Wave7 Optics Inc.	Tom Tighe	CEO	USA
Wisair Ltd	David Yaish	Founder, president and CEO	Israel
Xencor Inc.	Bassil Dahiyat	Founder and chief scientific officer	USA
Z-KAT Inc.	Rony Abovitz	Chief technology officer, director and co-founder	USA
ZettaCore Inc.	Randolph Levine	Co-founder, president and CEO	USA

About the Technology Pioneers Programme

The World Economist Forum started the Technology Pioneers programme in 2000, with Deloitte Touche Tohmatsu and Apex Partners as Strategic Partners, with the goal of identifying and integrating companies involved in the development of potential life-changing technology innovation. Once selected, Technology Pioneers are fully integrated into Forum activities, and can meet with scientist, academics, NGOs, and Forum members and partners to discuss and debate the impact of technology innovation on society and business.

About the World Economic Forum

The [World Economic Forum](#) is an independent international organization committed to improving the state of the world. The Forum provides a collaborative framework for the world's leaders to address global issues, engaging particularly its corporate members in global citizenship.

Incorporated as a foundation, and based in Geneva, Switzerland, the World Economic Forum is impartial and not-for-profit; it is tied to no political, partisan or national interests. The Forum has NGO consultative status with the Economic and Social Council of the United Nations.

About Apex Partners

[Apax Partners](#) is one of the world's leading private equity investment groups, operating across Europe, Israel and the United States. With over 30 years of direct investing experience, Apax Partners' Funds provide long-term equity financing to entrepreneurs to build and strengthen world-class companies. It pursues a balanced equity portfolio strategy, investing in venture capital and buy-outs. Apax Partners' Funds invest in companies across its six chosen global sectors of: information technology; telecommunications; healthcare; media; financial services; retail and consumer.

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Page Last Updated: December 9, 2004

Source: Deloitte Touche Tohmatsu (English)

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