

A Listing of Selected IP Businesses

The following is a listing of larger and more visible IP generating - exploiting companies. They fall into two broad classes - those with expertise across multiple technical domains and those with a more focused technical expertise.

Many are in the Cambridge, UK region where the University of Cambridge has a particularly open attitude toward the development of related businesses - see 'Guidelines for Establishing and Working with Embedded Companies' at www.admin.cam.ac.uk/offices/research/policy/embedded.html.

IP businesses with Multiple Technical Expertise Domains:

Plextek Ltd - Cambridge area, UK

100 people; privately held

SC15m sales approximately. Internally generated growth dollars.

"The company undertakes electronic product and system design targeted at the communications, defence, aerospace, industrial, scientific, medical and automotive markets." Direction is away from consultancy toward "undertaking full product design for licensing or resale", according to a recent interview.

www.plextek.com

Cambridge Consultants - Cambridge area, UK

230 people; Privately held after mbo from A.D.Little in 2002

Founded as "...an organization that put the brains of Cambridge University at the disposal of the problems of British industry." "...we solve problems through the innovative application of technology. Our development work takes us into many different markets, with clients coming from telecoms, consumer and industrial products, healthcare, fast-moving consumer goods (FMCG) and automotive industries."

www.cambridgeconsultants.com

Generics Group Ag - Cambridge area, UK

Cambridge, UK based public company, hq in Switzerland. Sales around SC25m.

"The Generics Group is a leading integrated technology consulting, development and investment organization, with an international reputation for successfully commercializing emerging science and technology."

www.generics.co.uk

Quinetiq - UK

A public-private partnership. Sales around SC2B 9,384 employees – 2003 figures

"QinetiQ - Europe's largest science and technology organization. Formerly an agency of the UK Ministry of Defence, we specialize in providing technology solutions across many different and varied fields, and are a supplier of impartial and trusted advice."

www.quinetiq.co.uk

TTP - Cambridge area, UK

"Since its foundation in 1987, TTP has grown to become Europe's leading independent technology development and licensing company. Our primary objective is to create new business based on advances in technology. Evidence of our success exists in the development and market launch of many new products based on significant advances in technology and also in the creation of more than 1000 new employment opportunities."

www.ttpgroup.com

BTQ - UK

Public company, listed on the LSE. Annual sales around SC85M

"BTG is a world leader in the commercialization of novel technologies. We have more than 50 years' experience in successfully commercializing important new technologies. We combine a strong commercial focus with deep technical understanding to develop the innovation, enhance the Intellectual Property and achieve critical development milestones. Our approach of shared rewards maximizes the revenue generated for the sources of the technology, for those who bring it to market and for BTG." (BTG is , like Quinetiq, an ex-UK govt agency.)

www.btgplc.com

PA Consulting Group - International

Independent, employee-owned

"PA Consulting Group is a leading management, systems and technology consulting firm. Operating worldwide in more than 35 countries, PA draws on the knowledge and experience of 3,000 people, whose skills span the initial generation of ideas, insights and solutions all the way through to detailed implementation."

www.paconsulting.com

IP businesses with Focused Technical Expertise:

ARM - Cambridge area, UK

Public company, listed on the LSE/NASDAQ. Annual sales around \$C313m 740 employees.

"ARM is a leading intellectual property provider. The company has a unique business model, enabling it to license its RISC processors, peripherals, and system-on-chip designs to leading international electronics companies."

www.arm.com

TTP Com - Cambridge area, UK

LSE listed. Sales about \$C100m 490 people

"TTPCom's multi-platform silicon strategy, in which their protocol software is compatible with silicon from a range of manufacturers, is unique in the industry. TTPCom licenses chipset designs to Semiconductor Manufacturers and also licenses protocol and applications software directly to terminal manufacturers. TTPCom receives a mixture of licence fees and chipset royalties from its semiconductor partners and a mixture of licence fees and product royalties from its terminal manufacturer customers."

(TTP Com was originally part of TTP (listed above), and now appears to be independent of TTP Group.)

www.ttpcom.com

Mosaid - Canada

Public company. Annual sales around \$C20m 100 employees.

MOSAID Technologies Incorporated is an independent semiconductor company operating through two divisions: (1) Intellectual Property(IP) - a developer and licensor of memory intellectual property. (2) Systems - the leading supplier of engineering memory test and analysis systems to memory manufacturers, foundries and fabless chip companies around the world."

www.mosaid.com

Jennic Limited - UK

"Jennic is a leading provider of Intellectual Property and silicon design services to the broadband communications market. Jennic has the rare ability to combine system knowledge, Intellectual Property and design services in Mixed Signal, Software and SoC implementation to provide solutions to its customers."

www.jennic.com

Imagination Technologies - UK

LSE Listed. Sales about \$C60M 270 people, including 200 engineers.

"Imagination Technologies develops and licenses innovative silicon and software intellectual property (IP) for system-on-chip (SoC) devices targeting multimedia and communication applications. The company offers an expanding range of complementary IP cores, licensed by many of the world's leading silicon device suppliers including Intel, Renesas, Samsung, Sharp and TI."

www.imgtec.com

Rambus - USA

221 people NASDAQ listed Sales \$C160m approximately

"Rambus is a leading provider of chip-to-chip interface products and services. The company's breakthrough technology and engineering expertise have helped leading chip and system companies to solve their challenging interface problems and bring industry-leading products to market. Rambus' interface solutions can be found in hundreds of computing, consumer electronic and networking products."

www.rambus.com

Chipidea Microelectronica S.A. - Portugal

151 people

"Chipidea Microelectronics S.A., is a broadline supplier of high performance Analog and Mixed-Signal IP that are silicon-proven on leading edge manufacturing processes. Founded in February 1997 by three University Professors from the Instituto Superior Tecnico (IST), Profs. Jose Da Franca, Joao Vital and Carlos Azeredo Leme."

www.chipidea.com

CEVA - USA, Ireland, Israel, UK

NASDAQ and LSE Listed 2003 Sales about \$C50m 150 R&D people, 206 total employees US HQ. R&D in Ireland, Israel, UK.

"... CEVA is the world's leading licensor of DSP cores and communications solutions to the semiconductor and electronics industries. CEVA DSP cores and applications have been licensed to over 100 of the worlds' leading semiconductor and electronic equipment companies worldwide."

www.ceva-dsp.com

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(This document is on the web - with live links - at www.pateo.com/ip.html)