

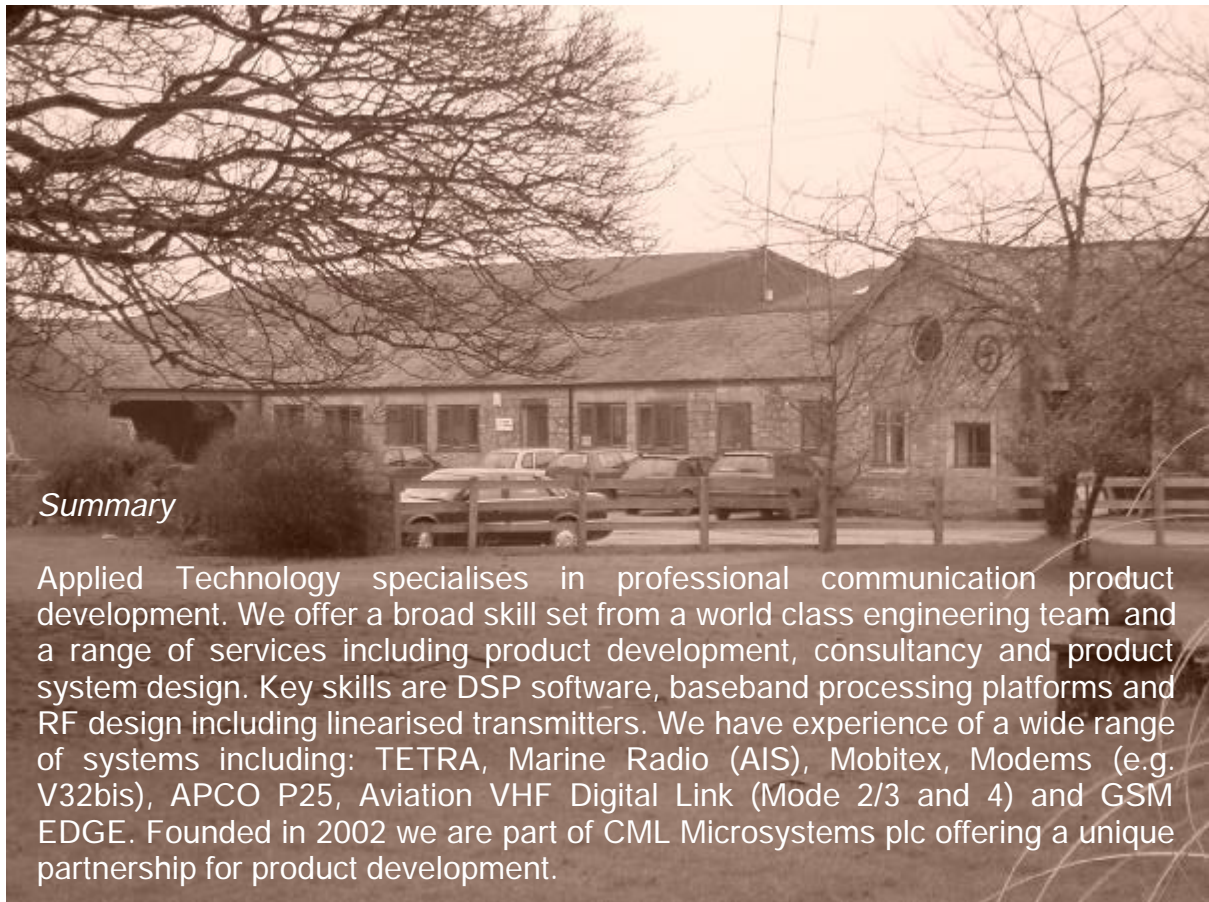


Capability Statement

Philosophy

Performance RF and software solutions, developed by engineers for engineers

Our customers are engineering companies and the aim of Applied Technology is to offer engineering solutions developed by a professional, world-class, team meeting customer expectations and requirements.



Summary

Applied Technology specialises in professional communication product development. We offer a broad skill set from a world class engineering team and a range of services including product development, consultancy and product system design. Key skills are DSP software, baseband processing platforms and RF design including linearised transmitters. We have experience of a wide range of systems including: TETRA, Marine Radio (AIS), Mobitex, Modems (e.g. V32bis), APCO P25, Aviation VHF Digital Link (Mode 2/3 and 4) and GSM EDGE. Founded in 2002 we are part of CML Microsystems plc offering a unique partnership for product development.

Services

Product Development: Applied Technology's aim is to develop world-class products for our customers. Our team has a proven track record in developing technologically advanced, cost-effective products for customers worldwide. Although Applied Technology is a new organisation our team has worked on products as diverse as TETRA handportables, marine transponders, aviation basestations, Mobitex terminals, audio processing, GSM terminals and various professional radio systems. We can offer complete development of the electronic design of a product - from working with our customers to develop product specifications, through design and development to support and introduction into manufacturing.



Product & Technology System Design: A key skill Applied Technology can offer is technology system design skills in RF and DSP. We have specialised skills in RF system design and DSP algorithm design and simulation. We can simulate complex modulation schemes and algorithms developing routines for demodulation, timing recovery, equalization etc.

Consultancy: With our focus on technology development we can offer various consultancy services, in particular technology evaluations, technical due diligence, cost reduction studies and technology road map studies.

Regulatory: Applied Technology consultants have been active in many international standards bodies including ETSI, CEPT/ECC and IEC. In areas where we have a technology focus we can offer consultancy services on regulatory issues. We see maintaining a clear picture of the regulatory environment as a key enabler to our ability to offer product development and consultancy services.

Technology

Applied Technology has a tremendous range of technology skills to offer:

- DSP Algorithm Design
- Real-time software
- Baseband processing platforms
- RF design (up to 2GHz)
- Linearised transmitters, in particular Cartesian and Polar loop
- Linear receivers
- VHDL and FPGA Design
- RF Power Amplifiers (2W to 200W)

We also have experience of a wide range of systems including: TETRA, Marine Radio (AIS), Mobitex, Modems (e.g. V32bis), APCO P25, Aviation VHF Digital Link (Mode 2/3 and 4), GSM EDGE, IS95, PMR, Audio DSP, Multimode 8.33/25kHz AM, MPT1327, Sellcall, CTCSS, DCS.

Although part of a larger group, Applied Technology undertake projects on an independent basis. The technology for each project is selected from various sources on a case-by-case basis. For certain projects, our links with a synergetic silicon vendor offer a unique access to technology that can benefit our customers.



Support

Applied Technology has modern laboratory facilities at our offices in Somerset UK. We have comprehensive test and measurement facilities specially selected for high performance RF systems. We have DSP simulation tools offering fast algorithm development leading to fixed point simulation and implementation based on C.

Background

Applied Technology was established in 2002 with a team of motivated engineers continuing the tradition of RF linearisation and DSP in the West of England. The company is a wholly-owned subsidiary of CML Microsystems plc (www.cmlmicroplc.com), a well-established UK plc with a strong financial position and synergetic business in specialised communications semiconductors.

Along with external work Applied Technology works with our parent developing new semiconductor solutions. This gives us a unique access to the latest silicon technology and the ability to offer leading-edge product development. Our aim is always to maximise the benefit to all parties, so ideal products utilise the market access of our customers, the product development and technology skills of Applied Technology and the semiconductor skills of CML.

Why Work with Applied Technology?

- Professional, customer-focused, team-orientated approach
- Unique silicon access and development together with CML
- Cost effective solutions
- Proven track record of team in development and consultancy

