

# Technology Strategy Board

Driving Innovation

## **PRESS RELEASE**

2 December 2010

### **SPEEDING UP THE INTRODUCTION OF MORE SECURE AND TRUSTWORTHY INFORMATION SYSTEMS**

The Technology Strategy Board and the Engineering and Physical Sciences Research Council are to invest over £8.5 million in nearly 30 innovative research and development projects that will help to accelerate the introduction of more secure and trustworthy information systems.

The projects will develop innovative solutions for trusted and trustworthy tools, technologies and methodologies that target the increasing risks that consumers, businesses and public sector organisations face while carrying out digital transactions. The investment will also help to create competitive advantage for businesses through building a strong capability base in the UK.

Ten major collaborative research projects, each lasting up to three years and involving a total of thirty six UK companies, universities and other organisations, will share £7.34 million while nineteen shorter projects, each led by a SME or micro-company and lasting up to one year, will receive investment of £1.25 million between them.

Iain Gray, the Technology Strategy Board's Chief Executive, said:

"These projects will lead to the development of an extensive range of tools and services that, as well as helping to make our digital transactions more secure and trustworthy, will help to make the UK businesses involved more globally competitive. The markets being created for trusted services around the world offer the potential for wealth creation in the UK. We are investing to help deliver economic growth."

Nick Appleyard, Head of Digital at the Technology Strategy Board, added:

"Establishing trust and confidence when doing business and carrying out personal transactions in the electronic world of digital services is a major challenge. Overcoming this challenge requires innovative thinking about how digital channels and secure technologies can be applied in a way that is convenient and easy for people to use. We look forward to seeing the results of these important projects."

The ten major projects will be led by Avoco Secure Ltd, Chronos Technology Ltd, HOIP CIC, HP Laboratories Bristol, In Touch Ltd, MaxBox International Ltd, NPL Management Ltd, Rolls Royce plc, Thales Research and Technology UK Ltd and Vox Generation Ltd.

**Ends**

## Notes to Editors

1. The Technology Strategy Board is a business-led executive non-departmental public body, established by the government. Its role is to promote and support research into, and development and exploitation of, technology and innovation for the benefit of UK business, in order to increase economic growth and improve the quality of life. It is sponsored by the Department for Business, Innovation and Skills (BIS). For more information please visit [www.innovateuk.org](http://www.innovateuk.org).
2. Background information about the *Trusted Services competition for collaborative R&D and fast-track funding* can be found at: [http://www.innovateuk.org/assets/pdf/competition-documents/briefs/tsb\\_trustedservice6pagecompflyer.pdf](http://www.innovateuk.org/assets/pdf/competition-documents/briefs/tsb_trustedservice6pagecompflyer.pdf)
3. Examples of some of the projects to be funded:

(a) Major collaborative projects:

**Project title:** SENTINEL - GNSS Services Needing Trust In Navigation, Electronics, Location & timing

**Partners:** Chronos Technology Ltd (lead), Metropolitan Police Service ACPOITS, General Lighthouse Authorities, Ordnance Survey, National Physical Laboratory, University of Bath, Thatcham Vehicle Security

**Project description:** SENTINEL will research the detection, quantification and location of interference to GNSS and eLoran signals at point of use. Detecting and discriminating between accidental, deliberate and natural phenomena including multipath, jamming or spaceweather ensuring timely mitigation to protect safety, mission-critical, security or revenue generating services, enabled by PNT signals.

**Contact information:** Charles Curry, [charles.curry@chronos.co.uk](mailto:charles.curry@chronos.co.uk), 01594 862200

**Project title:** Enhancing Voice Biometrics to Support Consumer Identification & Verification

**Partners:** Vox Generation Ltd (lead), Mydex Data Services, Latitude Partners Ltd

**Project description:** This project will enhance the traditional approach to voice biometrics by adding a second factor to the verification process; personal knowledge. We will develop a statistically rigorous probabilistic reasoning system to combine these 2 incongruent data points. The research will determine which kinds of enhancements work best for government/community services users and for online retail consumers.

**Contact information:** Rupert Mussen, [rmussen@voxgen.com](mailto:rmussen@voxgen.com), 0207 851 1000

**Project title:** Scaleable and Open Framework for Human and Digital Trust between Informal and Formal Infrastructures in Personal Health Care

**Partners:** HOIP CIC (lead), Microsoft, Edinburgh Napier University

**Project description:** The project will deliver a next-generation privacy enhancing identity architecture built on the Access to Public Services (AtPS) initiative to promote human and digital trust. It will deliver an open platform that provides services in support of informal carers in the secure exchange of information between informal/formal health care systems.

**Contact information:** Professor Andrew Marsh, [am@hoip.eu](mailto:am@hoip.eu), 01794 500145

**Project title:** CLOUDTRUST - Personal cloud computing framework for trusted services and personal and presence information management

**Partners:** Avoco Secure Ltd (lead), Private Planet Ltd, Imperial College London, Telefonica O2 Europe plc

**Project description:** CloudTrust is a system that combines digital identities, privacy and security. CloudTrust will generate enough Trust for individuals to safely share private data online. Key components include, very simple to use, the ability to allow users to undertake a transaction from any device and hosted in a personal Cloud computer.

**Contact information:** Susan Morrow, [susan.morrow@avocosecure.com](mailto:susan.morrow@avocosecure.com), 07917 507 826

(b) Fast-track projects

**Project title:** F4STPAY - a Secure Pay-As-You-Go Mobile Payment Platform For Users With And Without Credit Cards

**Partners:** Apollo Mobile Ltd (lead), AuthentiPay Ltd

**Project description:** F4STPAY is a secure pay-as-you-go mobile payment platform that will enable consumers to pay for goods, services, and content using a variety of payment methods, transforming the mobile phone into a trusted payment platform that can serve a wide range of constituencies in both the private and public sectors.

**Contact information:** Gavin Poolman, [gavin@apollomobile.net](mailto:gavin@apollomobile.net), 0207 253 4516

**Project title:** Sure Identity

**Partners:** Consult Hyperion (lead), Visa, Codes and Ciphers

**Project description:** Sure Identity will show that UK citizens are able to securely and safely access government online services using a Visa debit card with inbuilt secure authentication. This will make it easier for consumers to access a wider range of government services by replacing the use of password and login details.

**Contact information:** Andrew Ball, Chazbrooks Communications, [andrewb@chazb.com](mailto:andrewb@chazb.com); 01483 537890,

**Project title:** SmartCare Caller Id

**Partners:** InMezzo Mobile Security Ltd (lead), University of Kent

**Project description:** InMezzo is working with the University of Kent to develop a way to recognise people's faces and voices for approving door entry and access for video sessions. Caller Id is initially for protection of vulnerable people in their own homes, and will be built in to InMezzo's SmartCare telecare network.

**Contact information:** Tim Craig, [tim.craig@inmezzo.com](mailto:tim.craig@inmezzo.com), 0208 398 2565

4. Media enquiries **only** should be addressed to the Technology Strategy Board's media relations manager or consultant (see below).
5. Companies and other organisations seeking further information about Technology Strategy Board research and development funding opportunities should visit the Competitions page of the Technology Strategy Board website – [www.innovateuk.org](http://www.innovateuk.org), email [competitions@tsb.gov.uk](mailto:competitions@tsb.gov.uk) or phone the Competitions Helpline on 0300 321 4357.

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