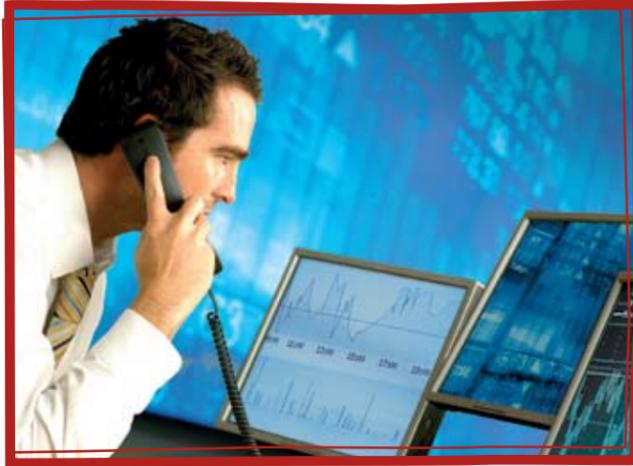


## Research excellence

Northern Ireland has a significant research-led capability in information and homeland security. The principal areas of research at both University of Ulster and Queen's University include:

- Encryption
- Security mechanisms against attack
- Intelligent agents
- Data mining
- Smart card technologies
- Biometric authentication



### CSIT, Queen's University Belfast

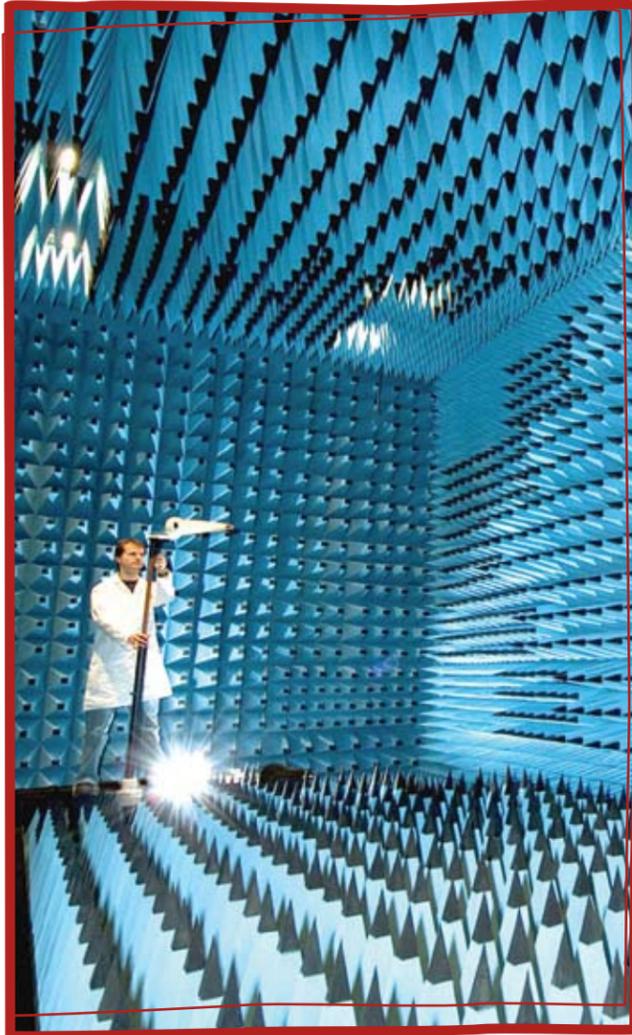
The new £25m Centre for Secure Information Technologies (CSIT) will become the UK's lead centre for security technology.

CSIT is bringing together research specialists in complementary fields such as data encryption, network security systems, wireless enabled security systems and intelligent surveillance technology to create the security infrastructure increasingly required by a diverse range of industries. Applications include financial services, connected health, e-businesses, event security, public transport and counter terrorism. CSIT is located within ECIT - the Institute of Electronics, Communications and Information Technology.

### NICEB, University of Ulster

The Northern Ireland Centre for E-Business is focused on R&D in new internet technologies and electronic commerce - within the centre and by commercial partners such as BT, Sun Microsystems and IBM.

Principal areas include smart cards, internet applications software, e-procurement and e-banking, mobile communications, and security mechanisms against attack.



*Northern Ireland has a vibrant security cluster with expertise in data encryption, access control systems, network security systems and intelligent surveillance technology, which puts you at the forefront of the industry.*

# ICT Security

## With you all the way

From initial enquiry to investment, Invest Northern Ireland will work with you to ensure your business gets off to a great start in Northern Ireland. A comprehensive range of support initiatives will help to ensure your ongoing business success.

For more smart reasons to choose Northern Ireland visit [www.investni.com/invest](http://www.investni.com/invest) or email [invest@investni.com](mailto:invest@investni.com)

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## Keeping good company

Investor companies including Tyco International, BT and Openwave are benefiting from the high-end skills and security research expertise available in Northern Ireland. Indigenous companies including First Derivatives, Core Systems and APT continue to achieve global export success with world-leading applications.

This dynamic private sector benefits from the research expertise at Queen's University Belfast (QUB) and the University of Ulster (UU).



## An ideal location for R&D

The old cliché of staying one step ahead of the competition is particularly true in the security industry. Continual innovation is essential to stay ahead of not just the competition - but also the threat.

A growing number of blue-chip and high-growth ICT companies are locating R&D activity in Northern Ireland. Key drivers are the availability of a young, highly qualified workforce, a rich heritage of R&D and a highly supportive business environment for R&D which includes protection of Intellectual Property.

SAP has established a Campus Research Centre in Northern Ireland - one of eight centres globally and the only one in the UK.

## Project ISIS - Intelligent CCTV

This £2M Intelligent Sensor Information System (ISIS) programme involves transport operators, the Home Office, the police service, bus manufacturers, telematics integrators, CCTV specialists and ECIT, the Institute of Electronics, Communication and Information Technology at Queen's University Belfast.

ISIS aims to detect threats on public transport, automatically inform key decision makers of the threat, and manage its own network. It will use video cameras, audio microphones and RF/microwave sensors to detect threats on public transport, and will incorporate template matching in video and audio streams.



*'Our new R&D centre will be an integral part of CyberSource global operations as the demand for secure payment processing solutions continues to grow at a rapid rate worldwide.'*

Bill McKiernan,  
Chairman and CEO, CyberSource

## Proven to work

### Tyco International

Tyco International's CEM Systems and American Dynamics brands employ over 170 people in Northern Ireland, providing world-leading security solutions to many industry sectors including airports, casinos, oil refineries and many more.

CEM Systems is a leading provider of advanced access control and integrated security management systems for premises and facilities. With a strong reputation for innovation, CEM has continuously led the industry in developing new products that take advantage of emerging technologies such as IP card readers and Power over Ethernet access control. CEM's innovative solutions include integrated access control, ID Badging, alarm monitoring systems, people counting systems and highly advanced card readers.

American Dynamics® video and IP technologies have provided pioneering breakthroughs in security technology. The American Dynamics brand remains at the forefront of the industry with Intellex®, the most popular and easy to use digital video management system. Its new VideoEdge® IP solutions feature unique backwards-compatibility and exceptionally low cost of ownership. In addition to a powerful enterprise analytics platform, the American Dynamics portfolio includes everything required for a complete, state of the art video surveillance system.

With a powerful integration platform, the American Dynamics and CEM Systems access control products work seamlessly to provide customers with greater ease of operation and faster access to the information they need in critical situations.