

# BT Advanced Network Defence



*Reducing risk to your network*



## Network Defence – Background

- There is an increasing level of threat across the UK's Critical National Infrastructure (CNI)
- CNI is defined as those assets, services and systems that support the economic and social life of the UK
- Threats to the CNI are continually changing and therefore continual investment and development is required
- The Information Assurance (IA) Review 2007 made recommendations on the protection, understanding and governance of the UK's information structure

**“Government has an ever-increasing  
reliance on IT systems...  
This is big scale.”**  
*Nick Coleman, Head of the Information  
Assurance (IA) Review 2007*



## What does this mean for your organisation?

↘ Today's changing business environment places more demands on today's organisation and its IT infrastructure

### **Increased threats**

*Constant need for defence against changing threat sources:*

*Cybercrime, Terrorists  
Criminal Activity  
Script Kiddies  
Hackers*

### **Need for continuity**

*Proactive and reactive capability*

*A stepped response  
Prioritisation of essential services*

### **Economic Position**

*Improved infrastructure can advance economic and political position*

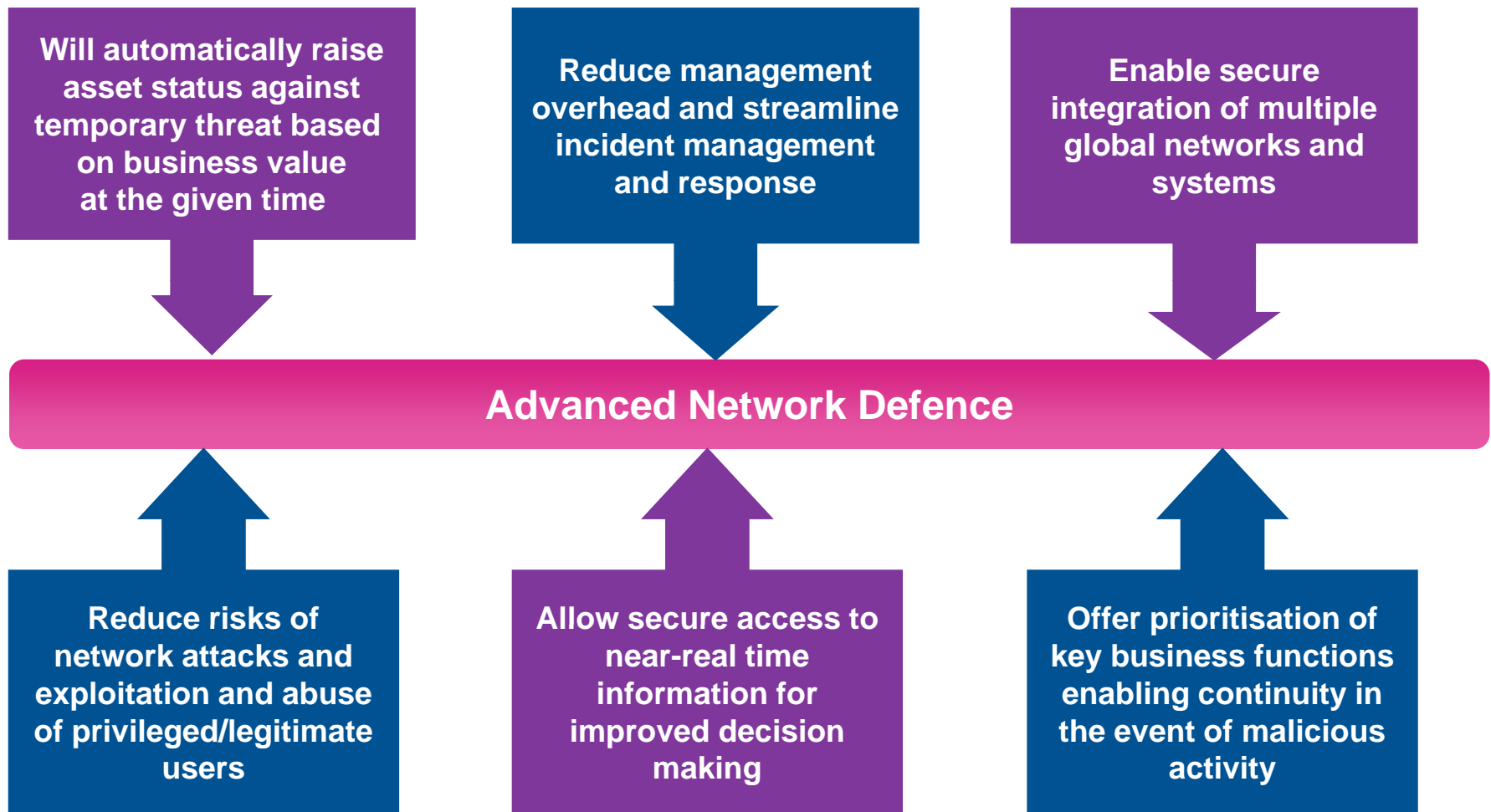
### **Organisational Compliance**

*Network policy enforcement and compliance  
Identification of non-compliance issues  
Network protection*

### **Multiple systems**

*Global networks  
Need to integrate with other government systems & third party applications*

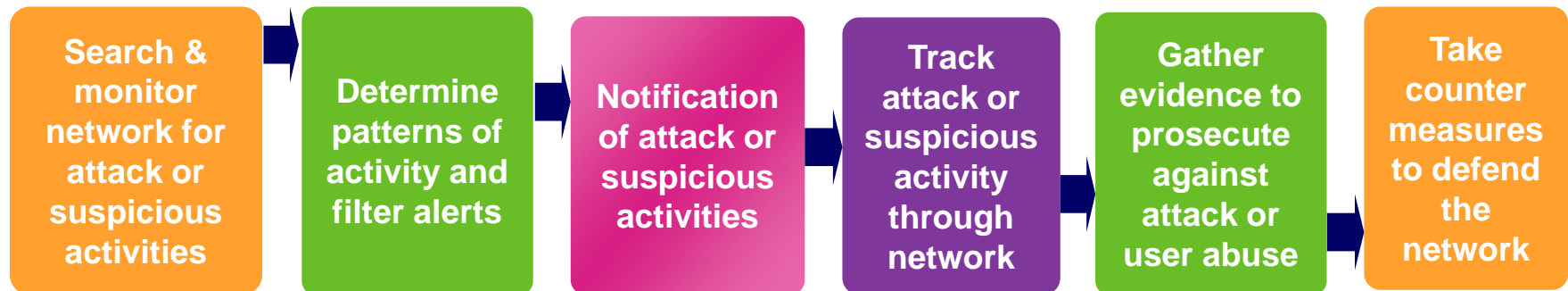
## Key concepts of AND



## So what's the answer?

- Advanced Network Defence will offer a granular level of response depending on the incident and systems involved and type of attack ensuring continuity of essential services and processes

### BT Advanced Network Defence



- Through delivery of CNI and our role as a Systems Integrator, BT has real world expertise in Advanced Network Defence technologies, ensuring that effective business output is maintained

## Our Vision for AND

### Stage 1 Network & Systems Integration

**Identify and determine your information requirements**

**BT consultancy to define network and system integration requirements**

**Trials, testing and evaluation will enable the development and deployment of AND**

Trial and test security related technologies or simulate security related issues in a network

**Effective storage and retrieval to underpin AND services**

Store and retrieve secure data from disparate sources in a single logical location



### Stage 2 Assessment & Monitoring

**Network monitoring and response**

Ability to conduct monitoring in real time to allow for appropriate action to be taken

**Sensor technologies**

Provide information into the system to influence the correlation and situational awareness functions

**Vulnerability assessment tools**

Conduct assessment activities across a network, either locally or remotely in response to specific priorities or incidents

**Network mapping & gateway discovery**

The ability to conduct active network discovery activities

**Law enforcement & forensic capabilities**

Collect information appropriately for prosecution purposes



# Our vision for AND

## Stage 3 Decision Making

### Operational Risk Management

- **BT Risk Cockpit**

Provide a clear view of risk and performance to improve visibility and control of operational risk

- **Risk Exposure Analysis**

Protect and assist to plan against vulnerability based on fluid operational priorities

### Security Correlation and Situational awareness tools

Bring together security events, provide situational awareness and effective prioritisation of response



Network & Systems Integrations



Assessment & Monitoring



Decision Making

## Advanced Network Defence benefits



### Enabling Risk Management

In the event of an attack, AND will offer a granular level of response ensuring continuity of essential services and processes



### Flexible Architecture

AND will offer a flexible non-proprietary solution which is able to link with other systems and supports global networks and systems



### Breadth of Capability

AND will offer an end-to-end solution from attack identification and resolution to managing business risk to ensure continuity of business operations



### Comprehensive Solution

Broad range of integrated technologies allow for the prioritisation of key systems and the effective management of incidents impinging on business output

# Why BT for your network defence needs?

- **Effective partnering** – through partnering with industry leading vendors we offer unique capabilities to meet your needs by providing innovative technology solutions
- **Own experience** – extensive experience in implementing and running our own advanced network security
- **Consultancy led approach** – full range of services from consultancy to determine the best solution for your needs to fully outsourced solutions
- **Security experience** – significant experience and expertise of working to CESG policy, process and standards
- **Extensive expertise** – proven track record with many decades experience of providing solutions to Defence

## BT's 21C Next Generation Network program

- Key role in UK CNI
- Existing relationships with CESG & MOD authorities

## Resources

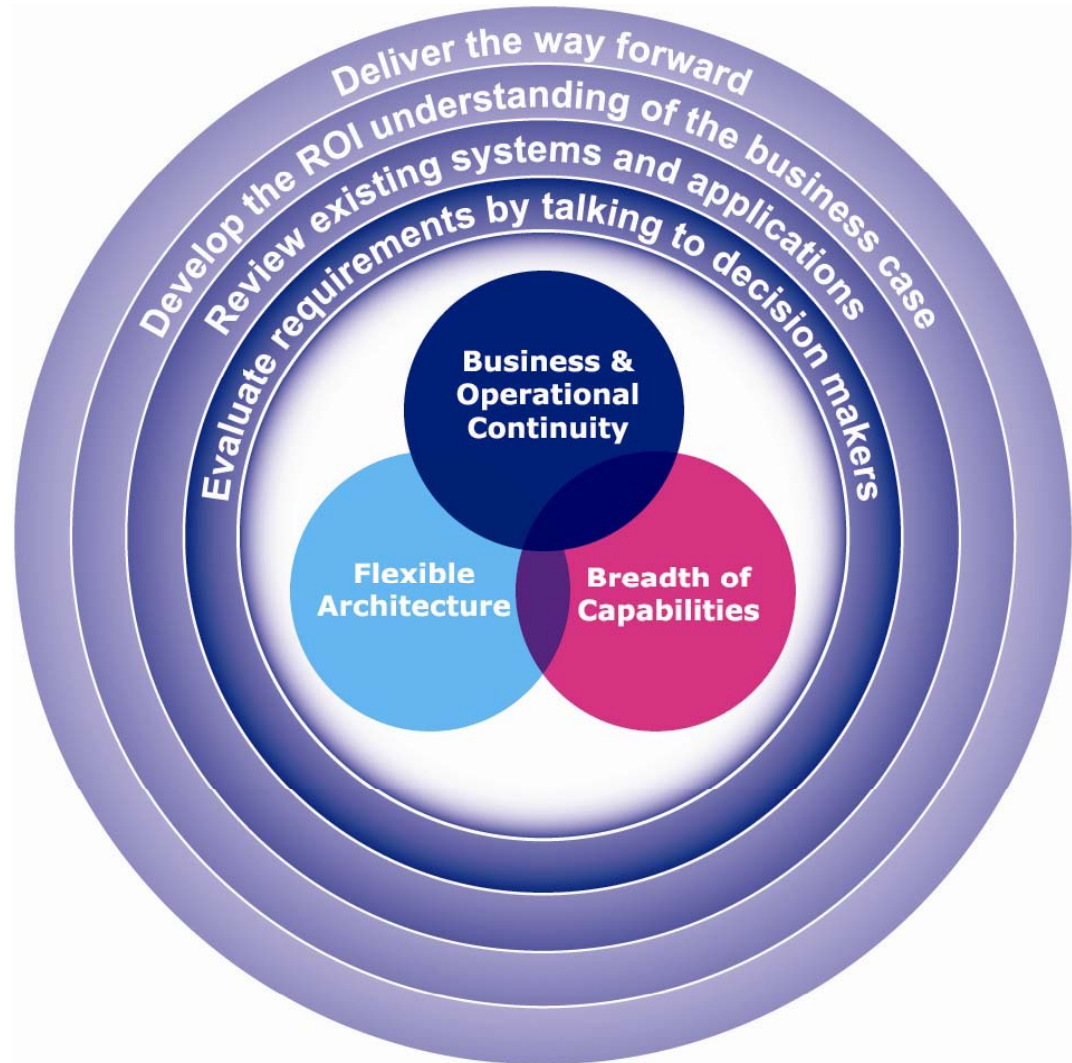
- Largest number of CLAS consultants in Industry
- BT CLEF
- 1200 security workers, 400 full time practitioners

## Expertise

- Founder member of FIRST (Forum for Incident Response Security Teams)
- CERT team is connected with CPNI the SS Govt CERT
- Internally - secure services for 100,000 employees
- 5th largest supplier of managed security services worldwide

## Move forward with BT

Every organisation is different and BT works to your individual needs.



## In summary, we can help you

- Proactively manage risk and enable risk based decision making
- Determine business priorities through offering a granular level of response ensuring continuity of essential services and processes
- Ensure consistency of operations particularly in time of crisis
- Establish effective controls and counter measures for the threats and risks being faced





Terry Sullivan | Business Development Director | BT Federal | [Terry.Sullivan@BTFederal.com](mailto:Terry.Sullivan@BTFederal.com)  
AIM:TJSULLBT | Off:+1 (703) 330.8500 | Cell:+1 (703) 795.3965 | Fax:+1 (703) 860.6355

