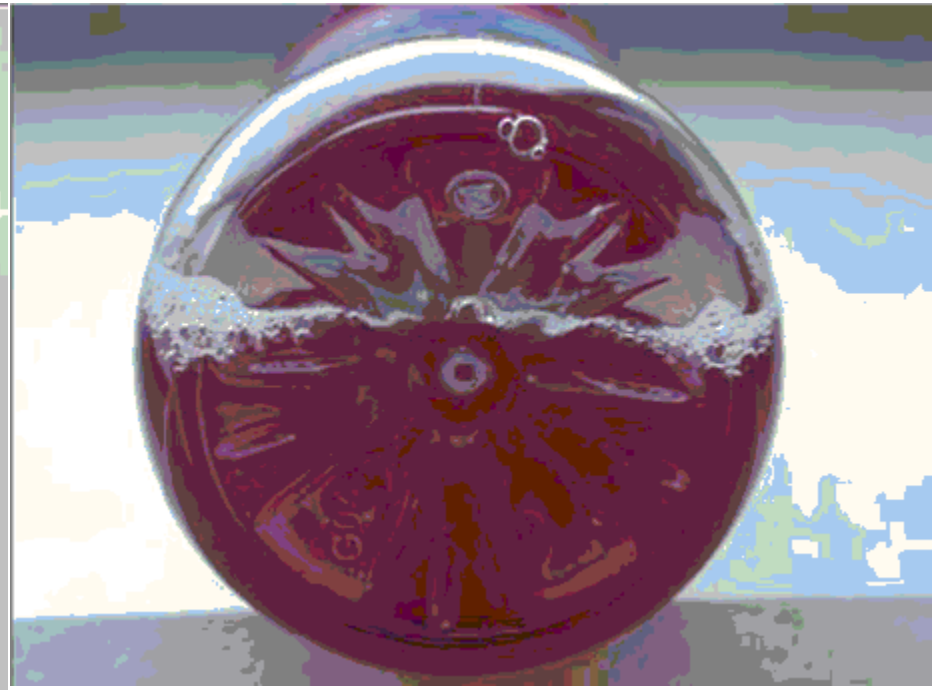Triacetone Triperoxide

T-5.629 ms

100 grammes of TATP

August 2006 Heathrow Airport Plot

July 2007, London and Glasgow

Thermobaric Device

Learning

Have a plan and review the plan (mortuary)

Know and train the plan with other agencies (CBRNE, Mumbai)

Reliance on mobile phone technology

Managing the demand for information:

- Internally
- Government
- Media

Control of the Media–not a police responsibility but needs to be managed

Are your IT systems fit for purpose ?

Use any learning opportunity to improve future performance

Arrests – live Media Broadcast

Pursue:
stop terrorist attacks

Prevent:
people from becoming
terrorists or supporting
violent extremism

Protect:
strengthen our protection
against terrorist attacks

Prepare:
where we cannot stop
an attack,
mitigate its impact

Reduce Threat

Reduce Vulnerability

REDUCE RISK

Pursue terrorists wherever they are and stop terrorist attacks

Prevent people from becoming terrorists or supporting violent extremism

Protect the UK by strengthening our defences against terrorism

Prepare to respond to an attack to lessen its impact

SITC Security Innovation & Technology Consortium

Science and Technology

Use horizon scanning to understand future threats and opportunities

Identify and share future science and technology requirements

Work with international partners, industry and academia

HM Government

The United Kingdom's
Science and Technology
Strategy for Countering
International Terrorism

August 2009

SITC
Security Innovation & Technology Consortium
Knowledge and capability for global security and resilience

Innovative Technological Requirements

1. Physical security

2. Stand off threat detection

3. Novel and emerging explosives

4. Surveillance and tracking

5. Biometric identification

6. Evidence gathering

7. Cyber terrorism

8. Connectivity and Interoperability

UK Technology Requirements

Sensing

Low light surveillance, multi camera tracking, open air eavesdropping, establishing identities

Shielding

Physical barriers, water barriers, firewalls, fences, secure mobile communications

Coping

Wearable electronics, improved durability of batteries, increasing data volume and intelligence gathering, guidance to help cognitive biases

Comprehending

Analytical tools to extract intelligence from data, better interpretation of behavioural and social sciences

Examples:

Explosive detector dogs for peroxide based explosives, INSTINCT, video analytics, facial recognition, millimetre wave, SITC forums, data analysis tools

Innovative **S**cience and **T**echnology **in** **C**ounter **T**errorism 'INSTINCT'

Innovative Methods to Generate Innovative CT Solutions

Technology Demonstrator One:
Crowded Places

Technology Demonstrator Two:
Aviation Security

Technology Demonstrator Three:
Augmented Reality

Jointly engaging Government agencies, industry and academia
www.security.homeoffice.gov.uk

Questions?

www.securityintech.com

Steve Swain MBA,

sswain@securityintech.com

+44 (0)7966 134503