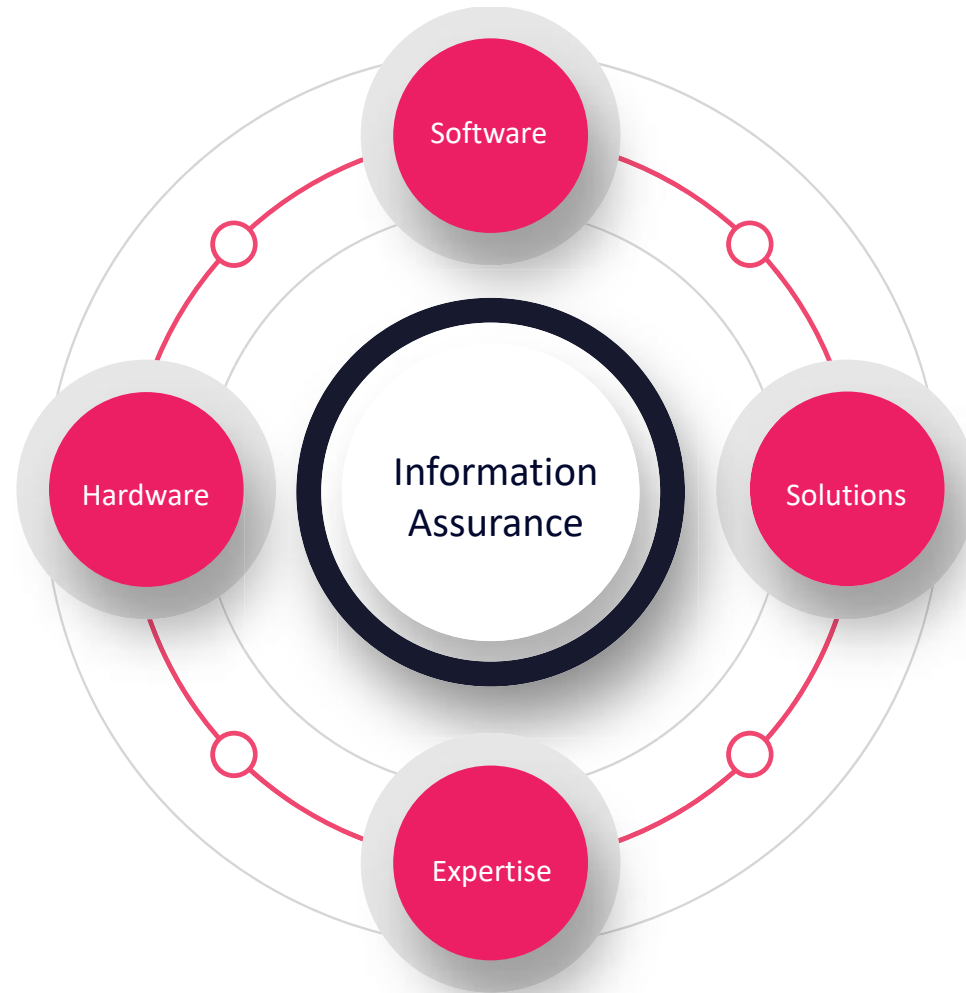


Masters of Cross Domain



Unlocking advantage for...



Government



HM Government



Ministry
of Defence



ARMY
BE THE BEST

**ROYAL
AIR FORCE**



Defence



leidos



LEONARDO

BAE SYSTEMS

QINETIQ



Commercial



NORGES BANK



BANK OF ENGLAND

THALES

Schneider
Electric



Critical Infrastructure

Heathrow

NetworkRail



edfENERGY



TOTAL

Solutions Portfolio



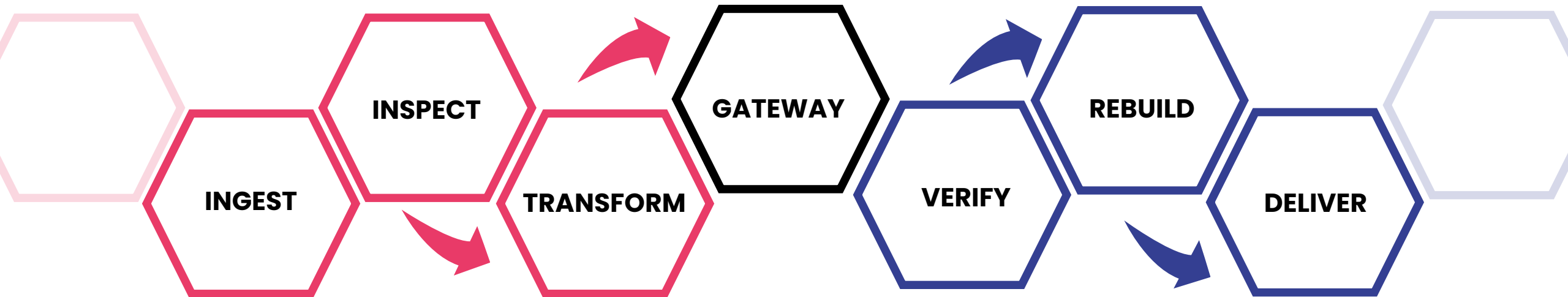
1. Agnostic data transformation and verification software
2. Easy integration with networking hardware
3. Enables connection using the most secure and *assurable* methodologies
4. Modular COTS product rapidly scalable
5. Working with vendor unidirectional hardware
OWL, Oakdoor, Opswat, etc.
6. Streaming protocol support exclusive to TF

TrustedFilter Appliance

1. All-in-one CDS solution harnessing all of TF reinforced by hardware
2. Hardened 4Secure Linux OS
3. Highly configurable with third party integration and container-based principles of least functionality
4. Deployed across
 - Government
 - Defence
 - Secure Cloud



NCSC-led Import / Export



- Syslog
- SNMP
- HTTP(S)
- OPC-UA
- MQTT
- AMQP
- H264
- SMB
- TCP

COMMONLY SUPPORTED PROTOCOLS



Use Case: Command & Control



HIGH SIDE

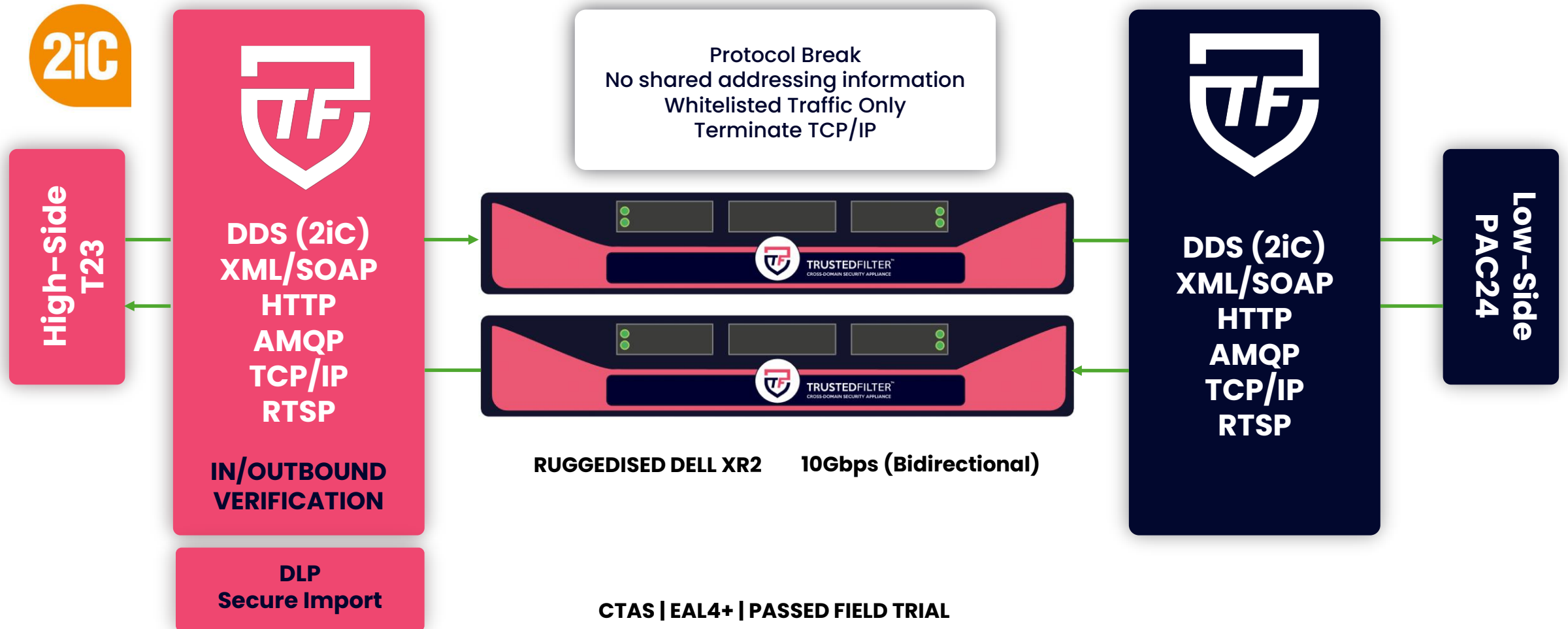


PROTECTED

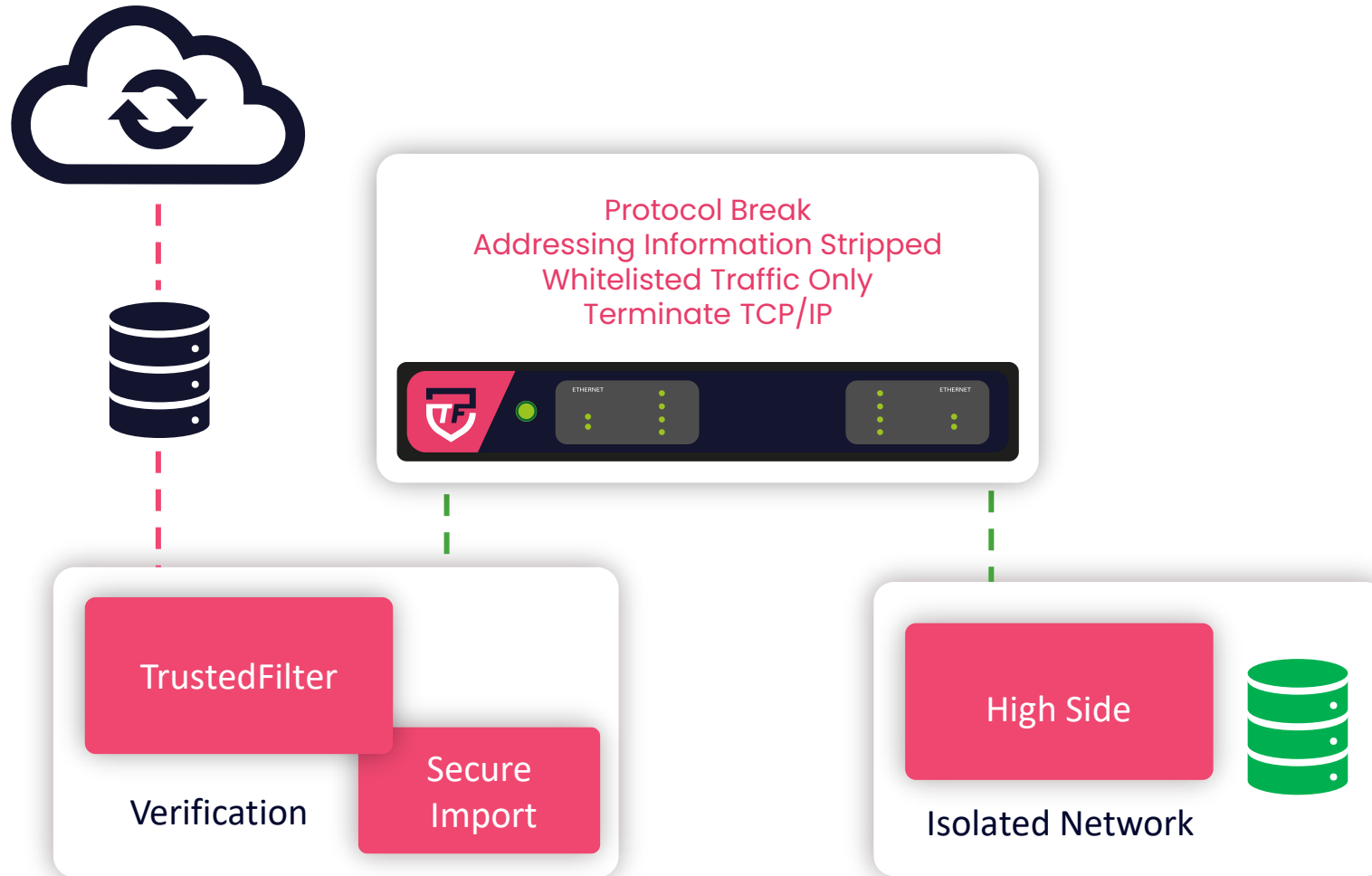
Bi-Directional communications required to control the autonomous PAC24 and receive the data back from it.



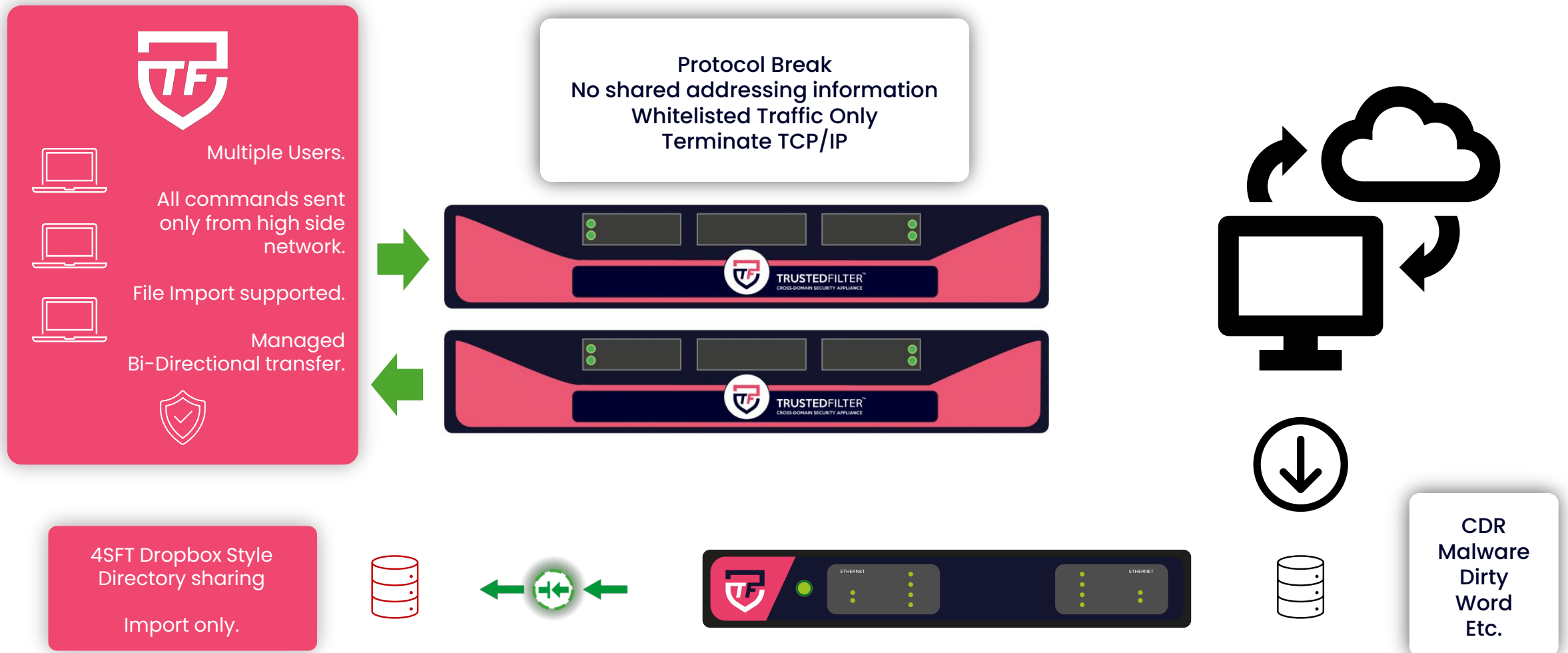
Use Case: Command & Control Architecture



Use Case: Patching



Use Case: Browse



Thank you!

Read more on LinkedIn



John Street

07399015026, John.Street@4-secure.com

Optima Company Overview

2 April

Team Defence Information Showcase



Introduction to Optima



Established 2012, privately owned & offering truly independent advice & services



Skilled team of engineering staff, with network of specialist associates



Provide Systems Engineering to government & industry



Experienced team of consultants and technical specialists

- All security cleared to SC as a minimum
- Range of industry, government and military experience



Based in Thornbury, Bristol

Systems Engineering Expertise



- We provide expert support to help clients:
 - Optimise their Systems Engineering approach.
 - Manage technical risk & complexity.
 - Manage stakeholders, requirements & acceptance.
 - Balance time, cost and performance to deliver successful programmes.
- We operate across all phases of a Project's Life Cycle

Systems Engineering Services

- Our support can comprise bespoke combinations of:
 - Engineering process development
 - Systems Engineering and Engineering Management
 - System Architecture design
 - Pan-DLOD requirements capture and management
 - Trade-off studies; options assessment; MCDAs
 - Technology Maturity and Technical Risk assessment
 - Technology Roadmaps and technology insertion planning
 - Design for modularity
 - Trials design, planning and conduct
 - System Verification & Validation
 - Simulation and Modelling
 - Management of Interfacing Programmes and Systems
 - Programme and Project Management
 - Tender assessment and bid support

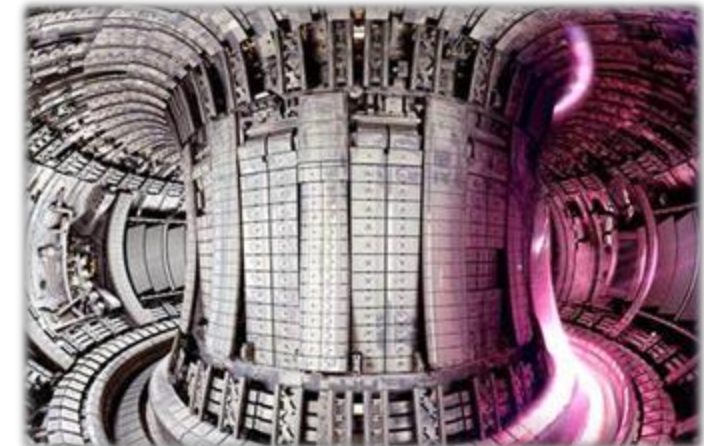


Wide range of engineering experience



- Defence

- Major Infrastructure Programmes
- Complex Weapons
- Land systems (vehicles, land based radar and communications)
- Sensors (Radar, Sonar, CBRN)
- Maritime (Ships and submarine programmes – combat systems)
- Enterprise Architecture/ Business model development
- Technical studies (e.g. Ballistic missile defence, artificial intelligence)
- Customer Friend support to DE&S (e.g. GEAR (Guide to Engineering Activity Review), SOSA (System of Systems Approach), Engineering Delivery Partner, Guidance development)



Nuclear

- Fusion Research Programmes
- Nuclear decommissioning and clean-up

Defence Digital Related Experience



- SATCOM – Systems Engineering support to industry
- Futures Lab – Naval Strike Network
- Tactical communication networks (LETacCIS)
- Enterprise Architecture
- Model Based Systems Engineering (MBSE)
- System of Systems development & integration
- Defence Medical Information Systems Programme

Frameworks



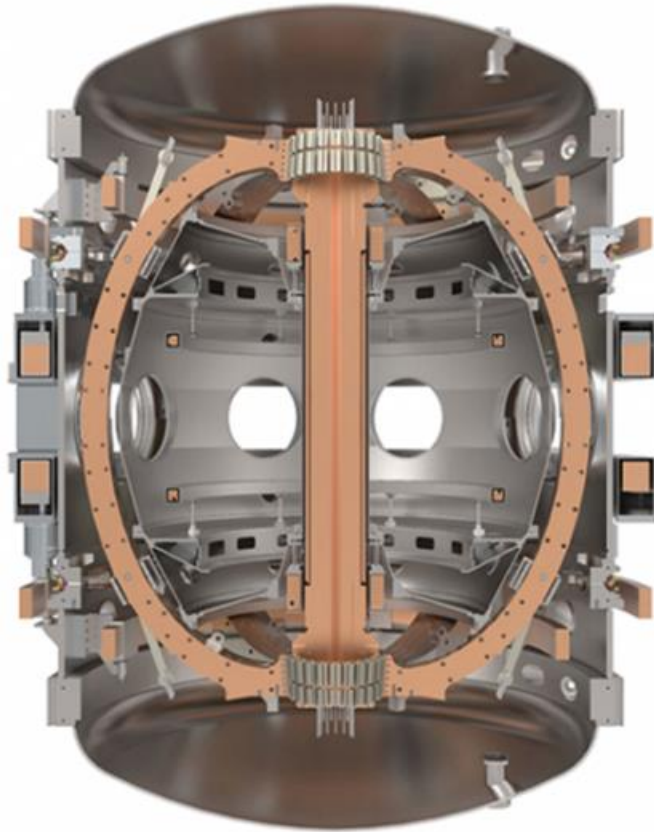
- Approved Members of:
 - DIPS supply chain
 - Engineering Delivery Partner (EDP)
 - Ship Naval Design Partnering (NDP)
 - Submarine Naval Design Partnering (NDP)
 - Weapons Sector Research Framework (WSRF)
 - The Analysis for Science & Technology Research in Defence (ASTRID)
 - Management Consultancy 3
 - UKAEA Engineering Design Services (EDS) – Systems Engineering Lot
 - UK Missile Defence Centre (MDC) Partner company
 - Other frameworks (SERAPIS, EW&C, RCloud and industry agreements with various primes)

Ways of Working

- Flexible approach depending on client needs;
 - Embedded on client's site – full or part time.
 - Responsibility for fixed price packages of work.
 - Provision of senior staff into key roles.
- Adaptable processes, tailored to deliver in highly-regulated (safety and security) environments.
- Outputs aligned to achieve business outcomes (benefits) for clients.
- Skills transfer to clients to support their teams to develop.
 - We can provide formal Systems Engineering training on request



MBSE Case Study



- Optima assisted Tokamak Energy's pioneering Systems Modelling with MBSE capability planning, by demonstrating appropriate modelling techniques to stakeholders, developing working practices and building a supporting Framework for MBSE.
- Full MBSE Case Study on our website
- [Deploying an MBSE Capability at Tokamak Energy](#)

Questions

- [Contact Optima Systems Consultancy](#)
- Lloyd.pryce@optimasc.co.uk



Team Defence SME Showcase

Bob Hogg, Director A&D Industry Marketing

RWS - MARKET LEADERS IN TRANSFORMING GLOBAL CONTENT

Global Content Services

- Helps world's leading brands manage their localization needs & ensure content connects with audiences
- Global network of language expertise
- eLearning, AI data training, video localization and interpreting services
- IP Solutions - patent translation and filing, search, retrieval and monitoring services

Language & Content Technology

- Language Technology – Trados, our suite of translation management and productivity solutions
- Linguistic AI – Language Weaver, our neural machine translation and content intelligence technology
- Content Technology – Tridion, Fonto, Propylon, & Contenta authoring, translation & delivery of content at scale

Language eXperience Delivery

CLIENTS INCLUDE

84

of the globe's
top 100 brands

8,000+

active clients

65+ offices in 33 countries

Sector expertise

Automotive
Aerospace
Defence
Financial Services
Government
Legal
Manufacturing
Life Sciences
Retail
Technology
Telecommunications
Travel & Hospitality

**47 AI-related
patents**

7 of the top
10 Global
Defense
companies
/orgs

18 of
Fortune's
top 20
most
admired
companies

19 of the
top 20
pharma
companies

9 of the top
10 medical
device
companies

18 of the
top 20
patent
filers

18 of the
top 20 law
firms



RWS portfolio

High-level overview of our technologies.
These underpin and complement our service offerings.

Content

Products:

Tridion
Propylon

Contenta
LiveContent/XPP

Componentized Content Management Suite

Services:

Content
Optimization

AI

Products:

Trados
*Neural MT with
auto-adaptive
capabilities*

Services:

TrainAI
*Data services
for AI/ML*

Language

Products:

Trados
*Translation
management
and productivity*

Services:

Language
Accessibility
Interpreting

IP

Products:

Inovia
AOP Connect
PatBase
*Streamlined and
secure filing platform*

Services:

Patent translation
Foreign patent
filing
IP research



RWS Contenta: Trusted by Aerospace & Defense Industry Leaders



U.S. Navy

Enterprise technical data management solution for NAVSEA's SNIPP program.



U.S. Air Force

Provider of TOAP (Tech Auth and Publishing) enterprise technical order solution.



FAA Approved

First IETP solution approved for paperless aircraft delivery.



7 of the Top 10 Primes

Deliver comprehensive technical publications solutions to some of the world's most complex A&D programs

Contenta's Technical Publications Offerings

Contenta Cloud S1000D

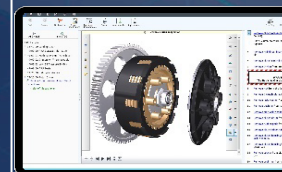
- Public, private cloud or on-premises deployment
Modern architecture & user interface
- Word-like editor for S1000D compliant content

Supplier Connect

- Simplified supplier solution
- Real-time insight reporting
- Collaboration tool for suppliers and primes
- BREX enforcement across supply chain

LiveContent (IETP/IETM Viewer)

- Interactive viewing platform for maintenance instructions
- Off-line mobile, on-line portal or HTML deliverables



XPP (XML Professional Publisher)

- High volume, highly scalable publishing platform
- Complex page layouts for tables, images, etc
- Used across A&D, Government, financial services and legal

Contenta Expert Services

Contenta Expert Services portfolio



* inclusive of data services related to AI/ML

**Interested in
learning more?**

Contact us

▶ askans1000dexpert@rws.com

Explore our website

▶ www.rws.com/s1000d

