THALES

Border Surveillance & Control

Your strength multiplier

Securing your future

Delivering end-to-end

As new risks & global threats emerge, governments are calling for higher level of safety and security. Surveillance and control, prevention of unlawful activities of sea and land borders are critical issues in the enforcement of homeland security.

Thales delivers a set of comprehensive border surveillance & control capabilities that :

- >> Improve reaction time from detection to interception
- >> Match nature and level of threat
- >> Optimise assets and value for money

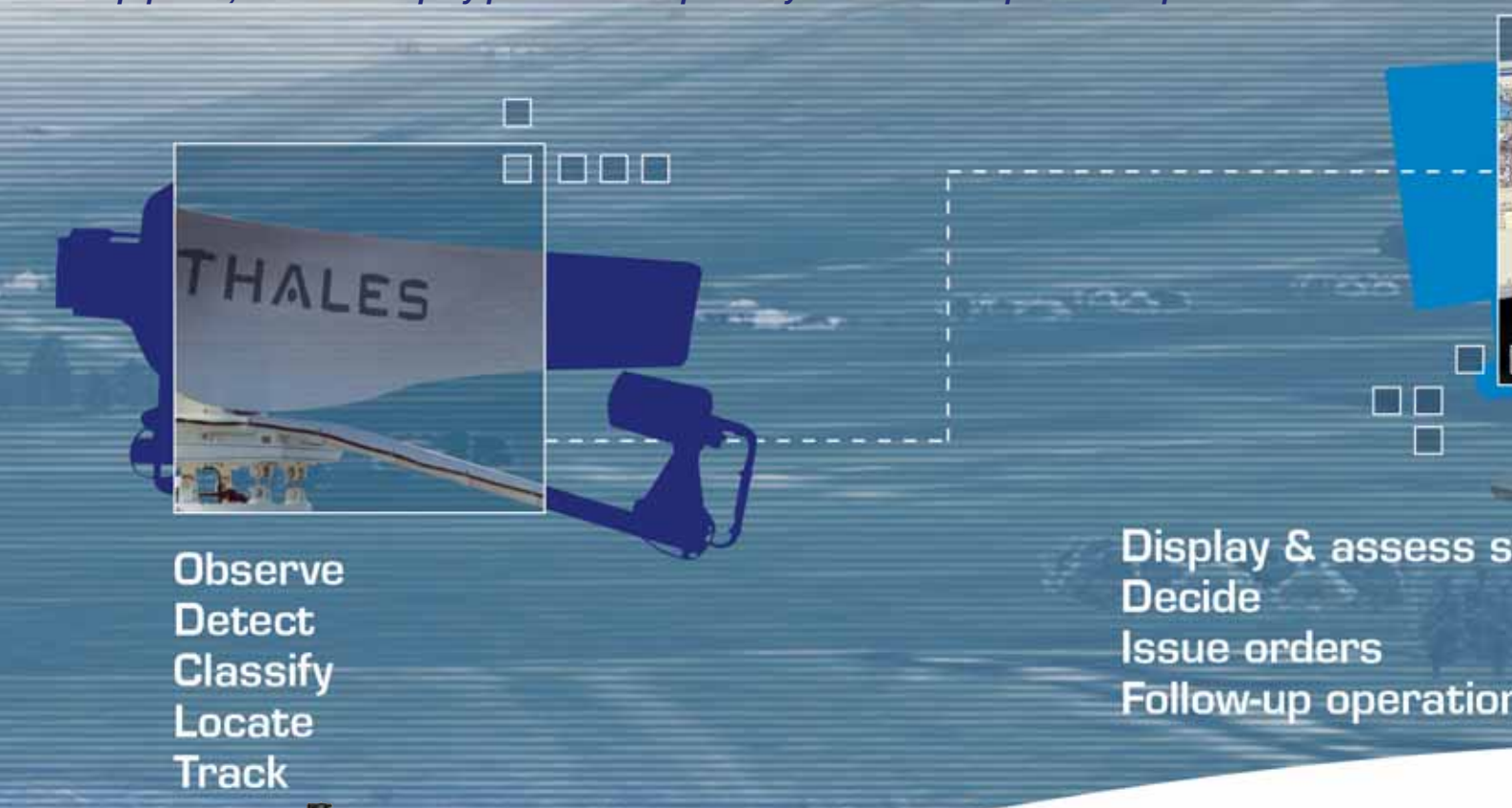
MULTIPLY YOUR EFFICIENCY

Because border surveillance is a matter of national security, Thales develops tailored solutions to match different nature and levels of threats. These solutions draw on:

- a comprehensive system capability, from consultative selling, system design and integration, prime contractorship, to support services;
- a thorough understanding of threat, environmental conditions and operational issues underlying border surveillance & control missions – round the clock missions, any weather, rapid reaction, ...
- the mastery of key components & products – sensors, command & control, communications;
- activities in military, security & civil markets, enabling customers to benefit both from COTS equipment & security of contracting with a leading company;
- customer proximity ensuring robust partnerships & knowledge of local constraints (terrain, climatic conditions, organisation of security forces, threats, operational procedures, etc...).

solutions

Thales is a leading provider of border surveillance systems, that leverage the benefits of comprehensive capabilities and unrivalled expertise in key components such as sensors, command & control and communications. Together with its broad system integration experience of legacy equipment, Thales is uniquely positioned to optimise your assets and provide competitive solutions.



SENSORS

- Greater precision & reliability – cross-cue data with complementary multiple sensors – lower false alarm rate
- Real-time reaction from information acquisition to field operation
- Optimised sensor deployment to dominate all situations and answer local context constraints: optronic, land & coastal surveillance radars, radiocommunication sensors, intrusion detection sensors – electromagnetic, seismic, etc.

THE BROADEST RANGE OF SENSORS

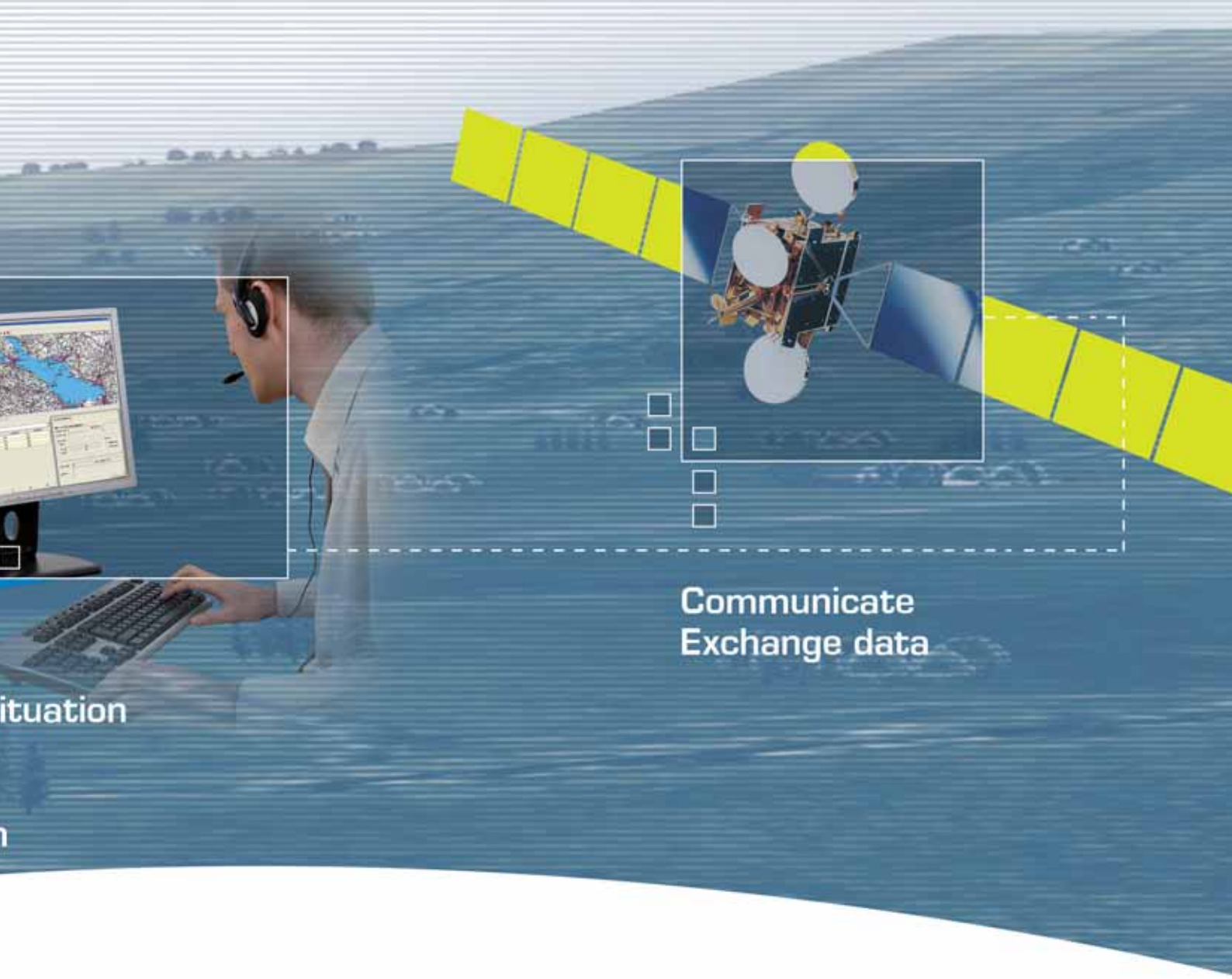
The deployment of complementary and diverse fix and mobile sensors dramatically improves observation & detection results efficiency (high detection level, low false alarm rate). Thales is able to integrate any number of sensors, such as thermal cameras (eg. Catherine), radars (eg. Squire, BOR-A), intrusion detection sensors (eg. MIS), or any other legacy products to build a solution that will dominate any type of situation or event (threats, environmental conditions, operational issues).

COMMAND & CONTR

- Open and flexible for full surveillance and inte
- Customised at each decision level: field decision aid and operation management
- Highly automated decision support tool of information & support rapid reaction
- COTS based for easy use by non specialist

CUSTOMISED SOFTWARE APPLICAT

Thales propose its "UNIFORM" compon unmatched performances in the managem component, based on an open and hig hierarchical organisation (from national lev requirements, and enables integration communications, external systems, ...).



ROL

erception functions

information gathering, situation assessment,

a key asset in dealing with large quantities

s

IONS

ent, which provides decision makers with
ent of border surveillance operations. This C2
hly flexible architecture, matches customer
el to frontier posts) as well as most functional
of any types of new equipment (sensors,

COMMUNICATIONS

- Modular field networks configurations based on a great variety of radiocommunications (PMR, HF, VHF, etc..) enabling secure exchanges from field (sensors and patrols) to command levels
- Seamless links between border guards sites thanks to infrastructure communications network
- High data rate, multimedia (data, video, alarms, etc..), reliable, flexible and secure communications
- End-to-end encryption

FULL-IP DIGITAL COMMUNICATION NETWORK

To guarantee total data security, high-performance, reliable and flexible communications that meet public safety and security requirements, Thales proposes the DIGICOM 25, Tetra-over-IP solution. Highly modular, this system leverages the flexibility of IP routing and distributed system intelligence to accommodate a wide range of network configurations. Lightweight and transportable, it offers a rapid deployment capability and is thus suitable for integration in a global border surveillance system or stand-alone configuration.

solutions

OPTIMISE YOUR ASSETS

In order to multiply operational effectiveness, Thales offers its customers a system approach to solutions design that enhances customer benefits, delivering the required operational effects in the most cost-effective manner:

1 • Working in close cooperation with our customers

- A teaming approach to better understand local environmental factors & refine requirements
- Optimum use of legacy equipment
- Designing-to-cost, thus enhance end solution competitiveness
- Supporting easy system evolution and upgrade to protect your investment

2 • Providing a modular contracting approach

A modular approach based on customer environment & requirements:

- Top-down: delivery of full turnkey systems, "plug-and-play", from mission and threats to functional architecture and system design integration & delivery
- Bottom-up: from products & and technology availabilities to technical architecture

3 • A flexible procurement approach to match budget

- Deployment of pilot systems enabling incremental integration of additional functionalities and enlargement of the area to protect and survey
- Integration of specific components/ products – sensors, command & control or communications - from a range of Thales or legacy products

AN INTERNATIONAL PLAYER, FIELD-PROVEN SOLUTIONS

- More than 50 turnkey systems or subsystems in service worldwide related to homeland security and border surveillance (Latvia, France, Estonia, ...)
- 30 coastal/ports surveillance systems in 15 countries (Turkey, Vietnam, Singapore ...)
- 400 000 night vision goggles, 15 000 infra-red cameras and 1 000 airborne FLIR systems worldwide
- More than 1 500 land surveillance radars in 20 countries (Spain, Serbia, Finland, Middle East, ...)
- 50 airborne surveillance radars on 10 different air platforms
- Worldwide customers for radio-communications sensors and intrusion detection sensors
- 20 countries for professional trunking radio systems
- 115 000 VHF tactical radios

Thales's border surveillance and control capabilities are part of Thales SHIELD™. Thales SHIELD™ is the brand name of Thales' global Security and Safety offer. Thales SHIELD™ encompasses the Group's diverse security and safety capabilities, components, products and systems. Thales SHIELD™ 's solutions protects the border, people, information and physical assets against terrorism, organised crime, natural disasters, and infrastructure incidents.

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