









Planning and implementing border security



Principles for success

Intelligence Preparation

Understand the latest smuggling methodologies and adversarial tactics as they affect you

Mission Analysis

In-depth understanding of all stakeholders, freedoms and constraints

4 Effective Resource Management

Identify and assign the appropriate resource to achieve each action

3 Plan of Attack

Effective actions placed to support and achieve your goals

Synchronisation & Control

Efficient coordination, resource integration, and management

Artificial Intelligence

Why are we driving toward it?



Security agencies' drive to innovate is driven by several factors:

The need to effectively leverage vast amounts of collected data

The need to stay ahead of evolving threats

Pressure to operate with constrained resources and budgets

Operations must lead the way







Security agencies have many influences impacting their objectives

- Policies
- Threats
- Financial constraints
- Physical environment

Once operational intent is defined, industry supports objectives, resulting in a confluence of:

- Operations
- IT software
- Security equipment



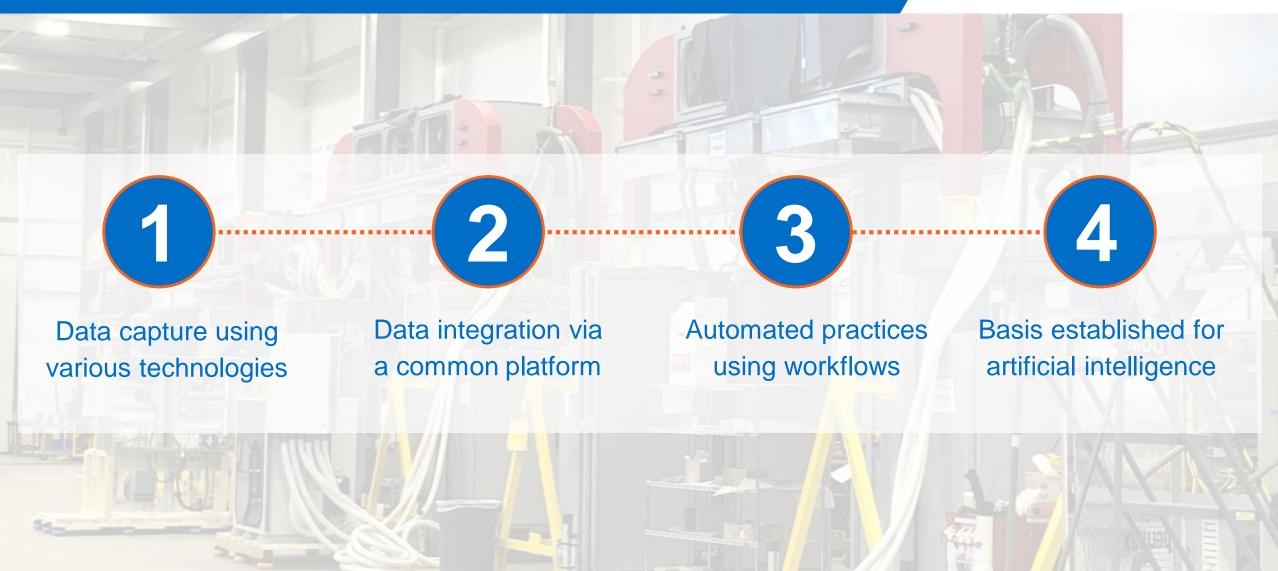


Stepping stones on the path to artificial intelligence









1 Data capture



Border security agencies rely on various data capture technologies



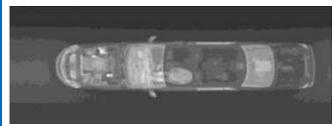
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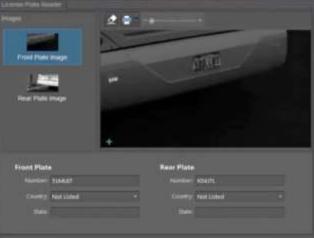


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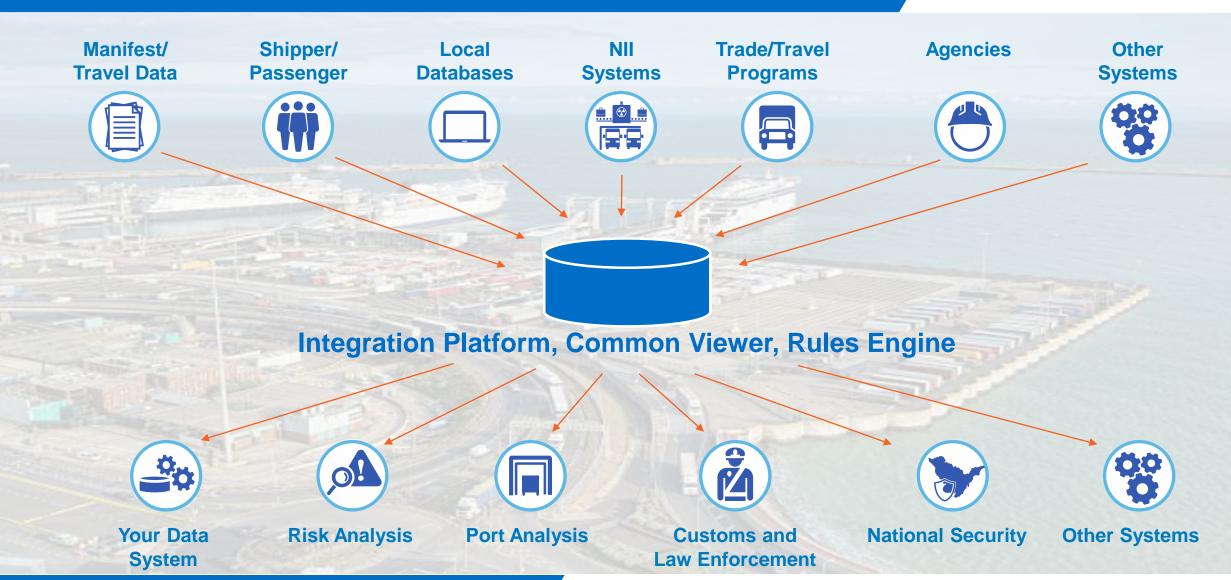


2 Data integration









3 Automating security practices



With a common operating picture, practices can be mapped to feed, organize and analyse data which further informs actionable intelligence.

Security leaders must decide which processes

to measure and how to sequence them to create workflows that lead to:

Process improvements

Increased efficiency

Improved border security





4 Machine learning and Al



We aren't there—yet.

- The range and variety of data are too broad at this point
- We must rely on humans in a changing environment to identify/detect threats
- More data will lead to better machine learning models and ultimately better decisions
- Continue to focus on improving our threat detection technology and human skills through innovation and training as we progress toward an Al solution

Key Takeaways







We are still building the path toward ML and Al

Operations should lead with support from industry's security technology and IT

Continue to focus on the steps that will lead to a more successful border security solution:

1. Data capture from existing and new technology

2. Data integration via a common platform

3. Automating practices using workflows

4. Invest in enhancing human element and gathering data as we work toward Al



Thank You!







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