

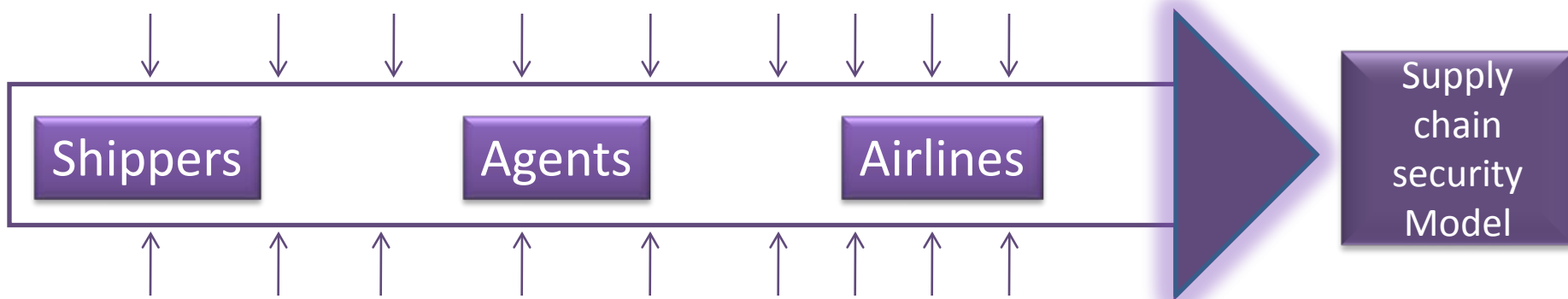
Mass Cargo Screening - Breaking the Throughput Ceiling



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The Two major Cargo security Approaches



What is That Ceiling?

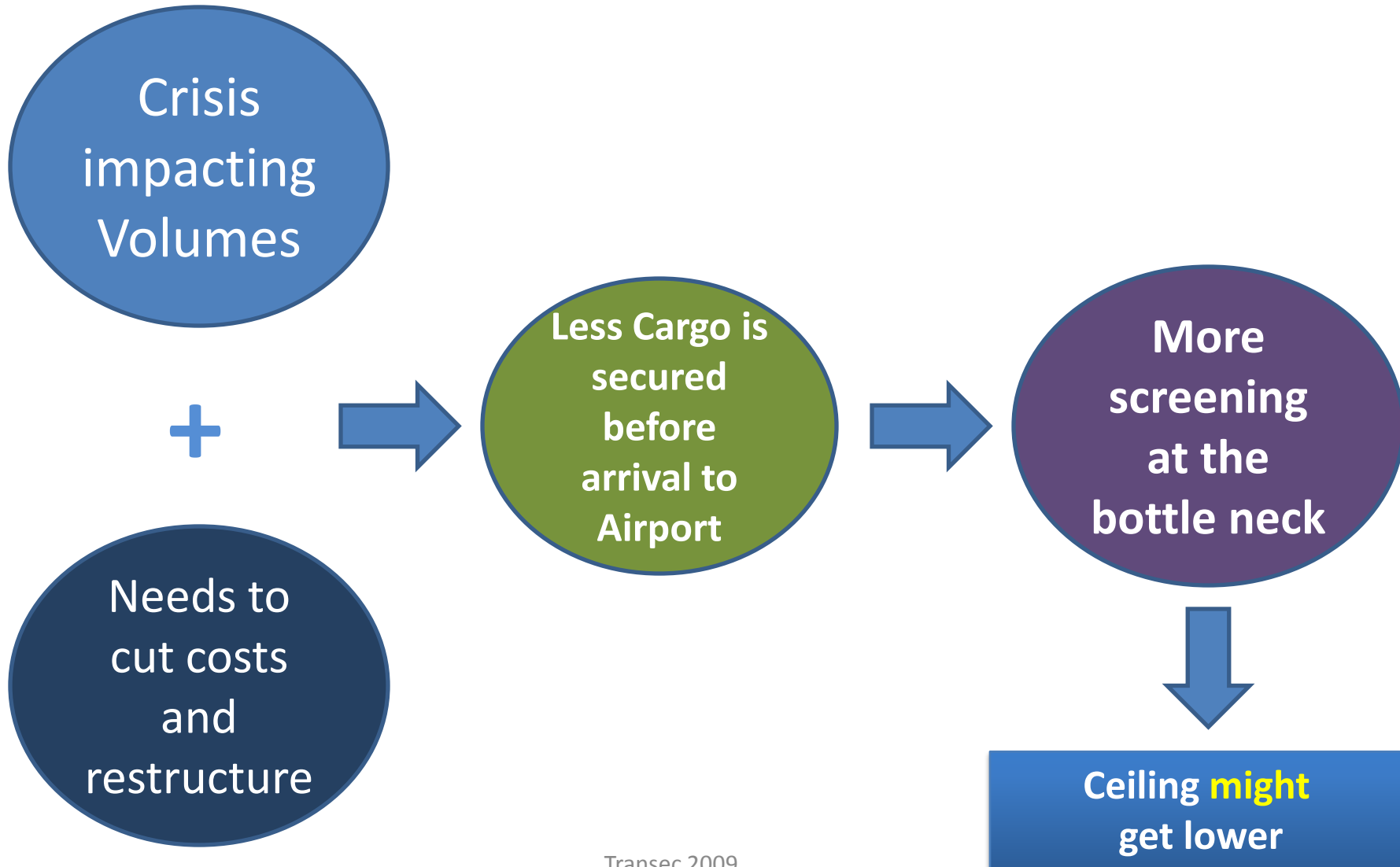
The limited amount of cargo that can be screened at the last point of supply chain i.e. The Airport

Ceiling Main Factors

Quantities

Short Overall Handling Time

Post crisis tendencies we witness



Ceiling Main Factors

Quantities

Short Overall Handling Time

Financial Crisis

Mass Cargo Screening Methods

Machines:

- X-Ray Screening
- Vapor Detection



Bio-sensory:

- Explosives Detection Dogs (EDD)
- REST or RASCargO



Hand Search: (is it Mass-cargo?)

A Possible Solution

A system that effectively combines bio-sensory high detection rate into a mass screening process

Case Study – CDG Airport

Background:

- French Regulator decides to tighten air cargo security checks
- Airport actors were afraid of losing cargo to neighboring countries
- A real need for a fluid, effective and cheap solution
- RASCargO were selected

RASCargO (or REST)

Remote Air Sampling for Canine Olfaction

General Description

The RASCargO system is based on a two stage process:



Volatile explosive materials are acquired from closed volumes through air drawing, and are captured on a specially designed filter.



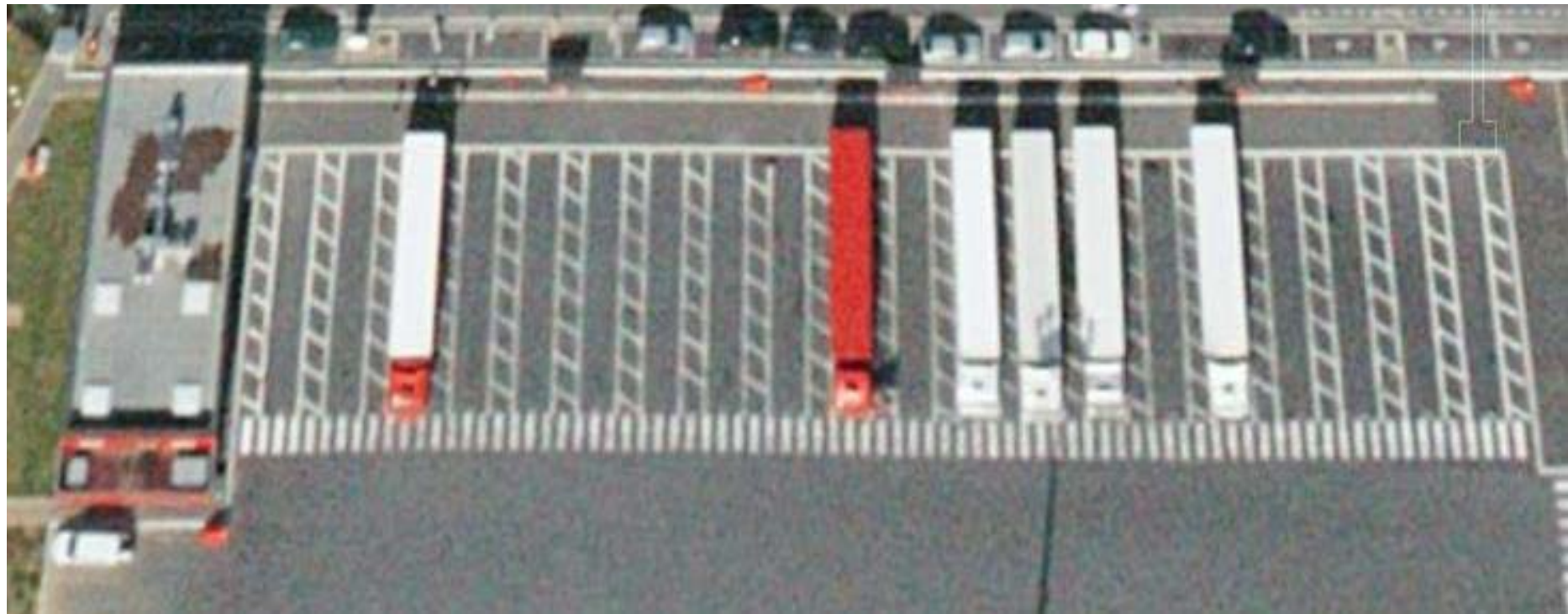
The filter is then presented for analysis and detection by specially and highly trained dogs.

RASCargO operation at CDG - Paris



Aerial view of the analysis unit

This unit serves all of CDG customers (40% of CDG export volume)



Parking Lot View



Parking lot of trucks to secure



Air sampling system for each parking place



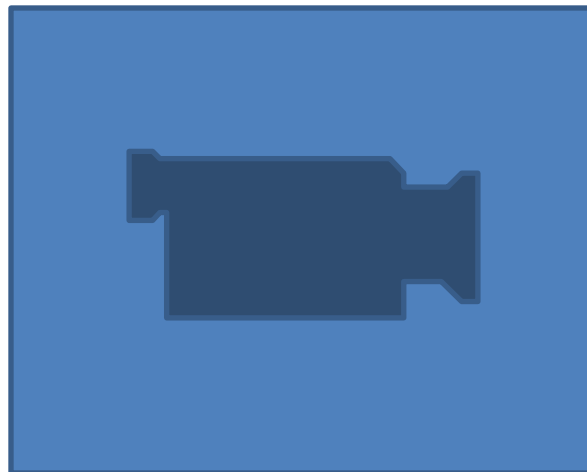
A truck being sampled



Analysis Center and Control room



RASCargO Video



Click to play video

Short process time per truck

- 22 minutes in average

750,000 Tons per Year per unit

- 75 trucks per shift
- ~ 8 tons a truck

Summery

Throughput ceiling in mainly at the airport

Financial crisis might cause a lower ceiling

Most existing cargo screening methods cannot break the throughput ceiling

REST or RASCargO beat the challenge

750,000 tons per unit per year

Thank You

Visit our operation at CDG Airport

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