



Cargo Innovations at Amsterdam Airport Schiphol: eFree Zone, SmartGate, eLink, ...

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The Beauty of Air Cargo






MEGA
ARK

MEGA
ARK

AF AIRLINES CARGO

FO



VO-BFX

JA08KZ

中国南方航空 CHINA SOUTHERN CARGO



STA 800

ER/R

ER/R

F





WIREPEL

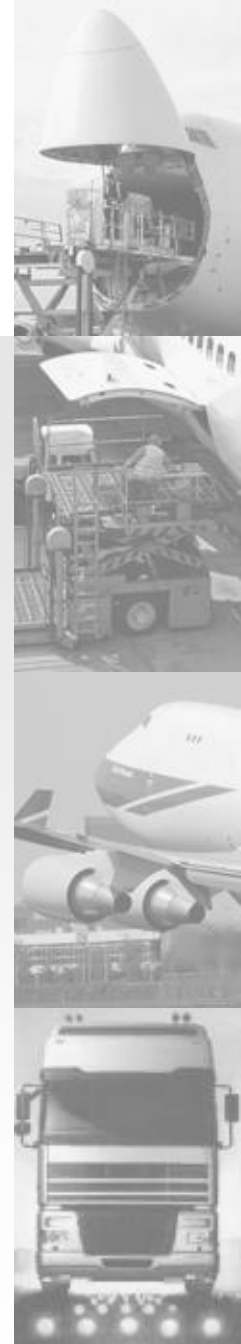


Mission/ambition of ACN for Schiphol: “Most Preferred Cargo Airport of Europe”

- Improve Air Cargo Quality and Security in a Sustainable Way
- Constantly Strive for More Productivity
- Make Law Enforcement More Intelligent
- To Lead the International Air Cargo Industry
- Improve the Balance between Economic Contribution and Social Burden of Air Cargo



The Role of ACN as Air Cargo Industry Association



ACN Unites All Air Cargo Parties: “We Go For Chain Integration ...”



Forwarders

**Ground
Handlers**

Truckers

Airlines

Airports

Service Providers



... and Optimal Implementation of Rules & Regulations & Inspections”

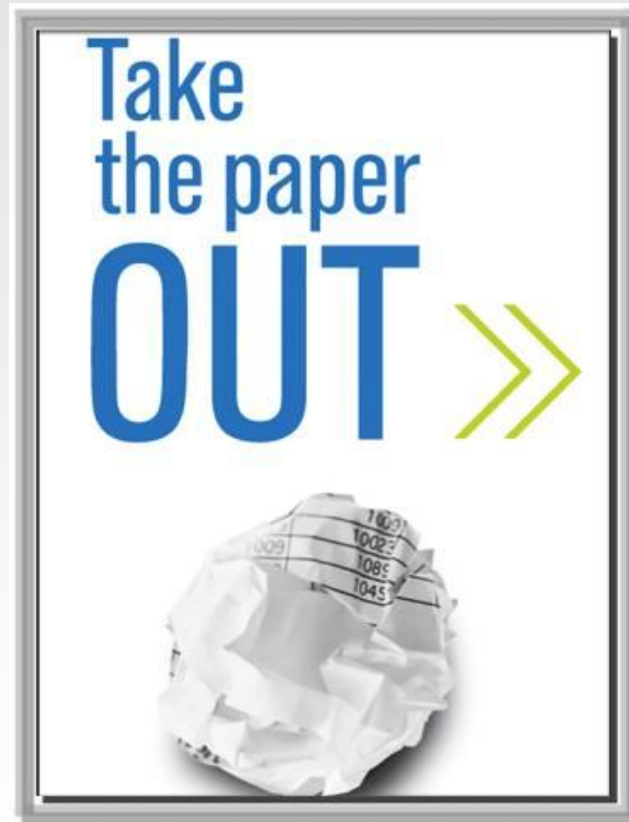


ACN Quality & Efficiency Projects

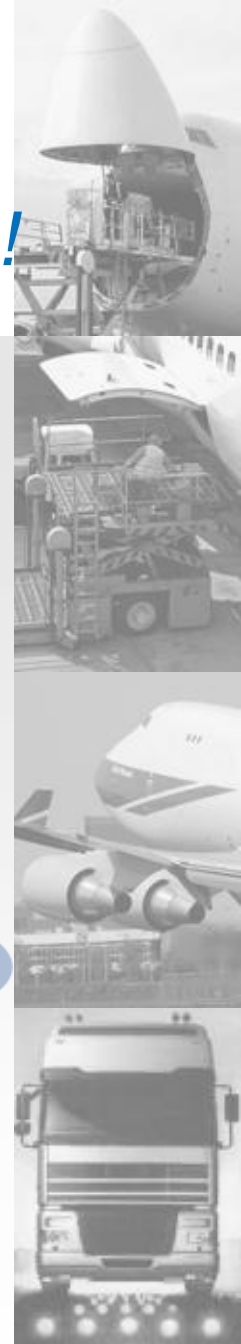
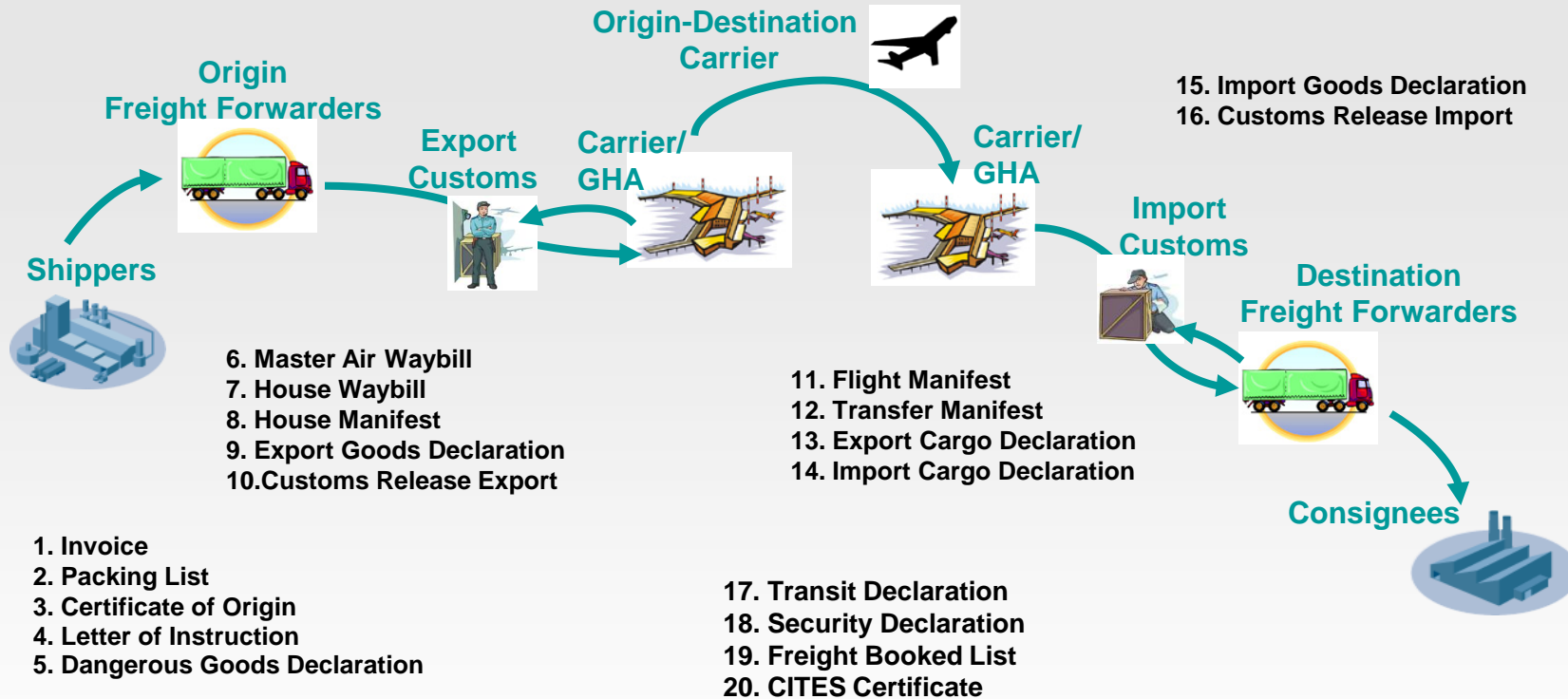
- Quality & Efficiency Initiatives:
 - Cargo 2000, eFreight
- Security:
 - ACN Cargo Card, linked to EU database (RA)
 - Security & Crime Prevention Programs
- Intelligent Law Enforcement by Customs:
 - Virtual “eFree Zone”
 - One Stop / Single Window: Schiphol SmartGate
- Future Process Innovation:
 - eLink, “AirLink”



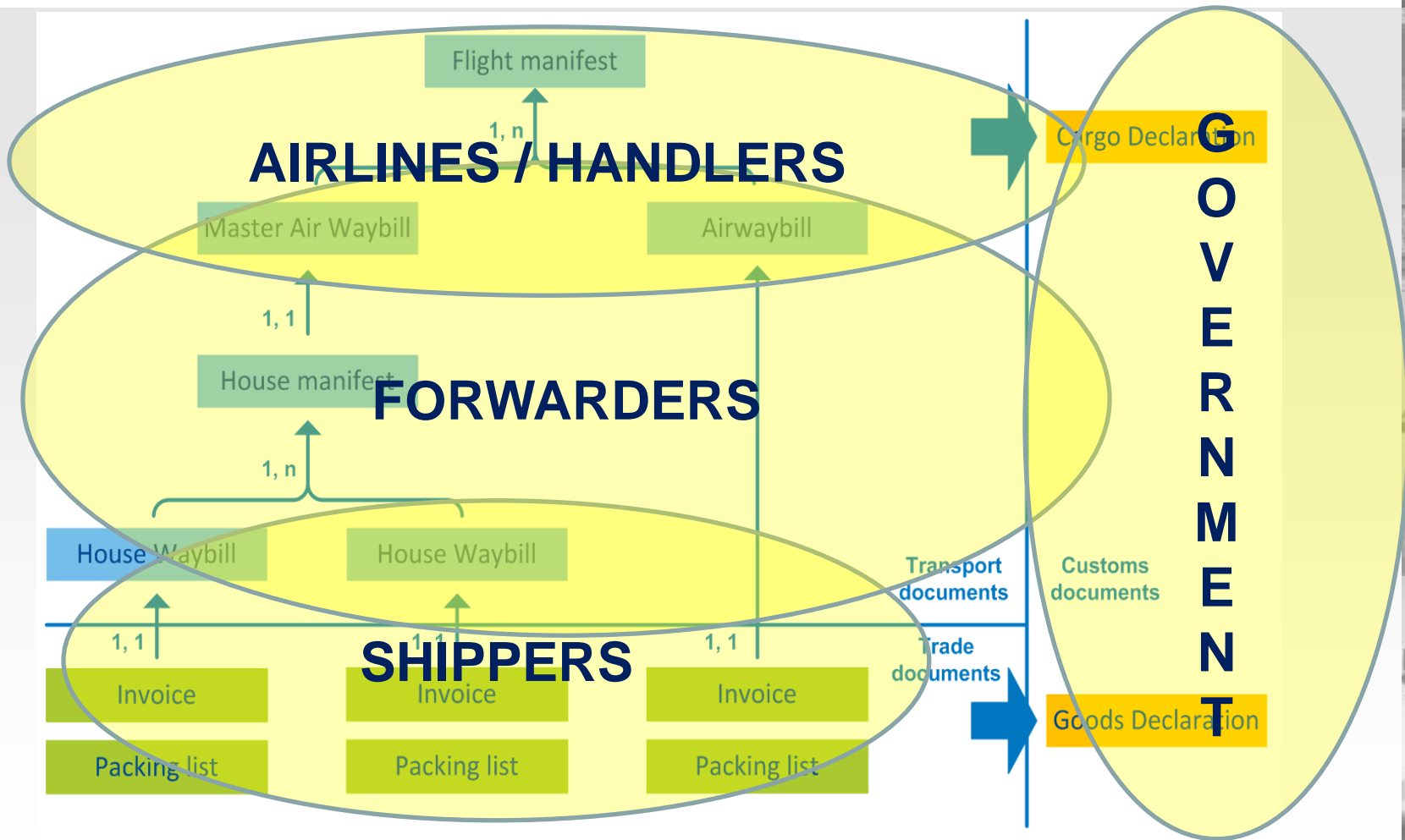
ACN consistently supports IATA's eFreight Initiative



eFreight is a clear ambition: Take the paper out of the whole air cargo chain!



eFreight is a complex evolution: *Many parties, many documents, many rules ...*



'Smarter Customs & Security'

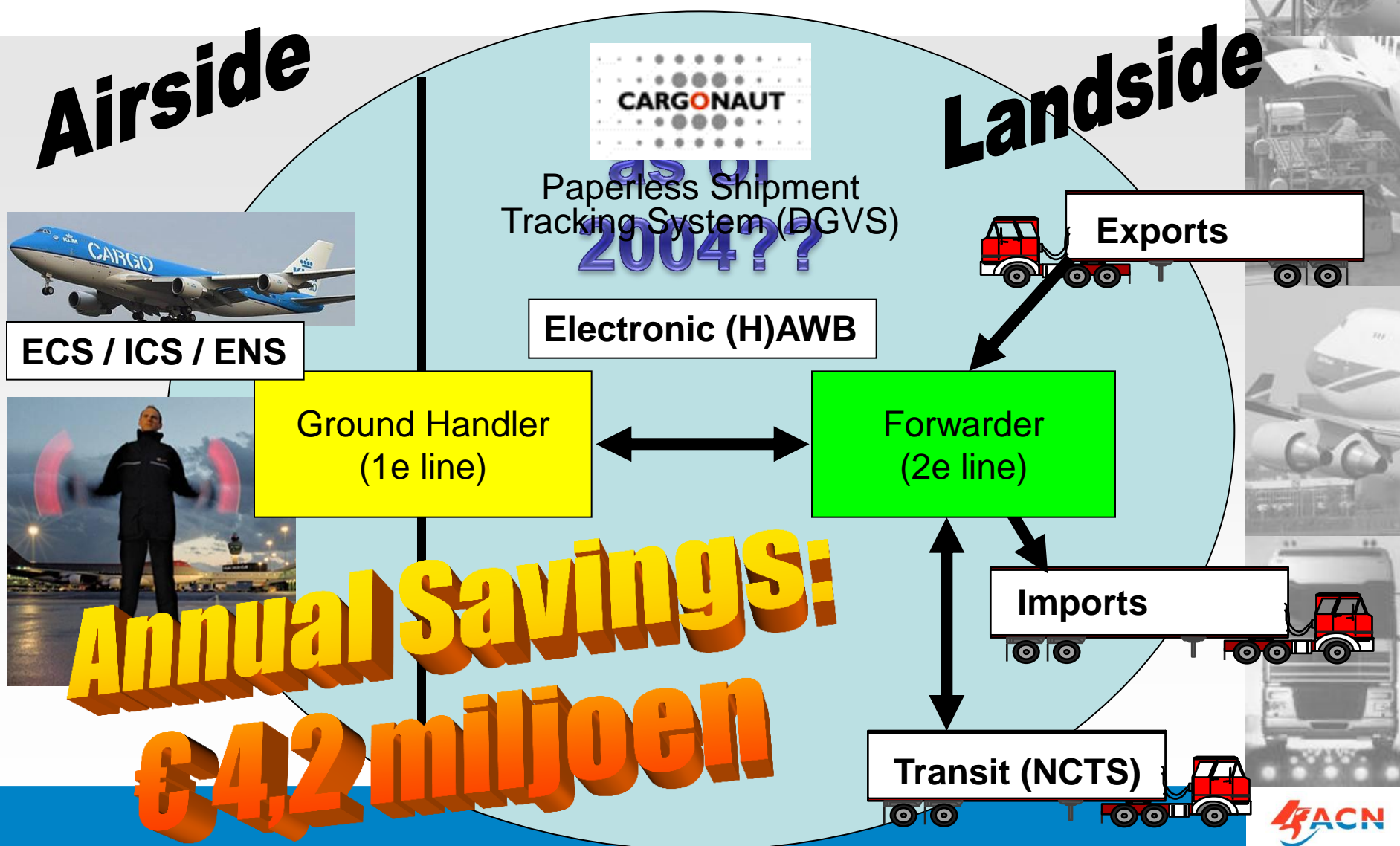


Schiphol Virtual eFree Zone:

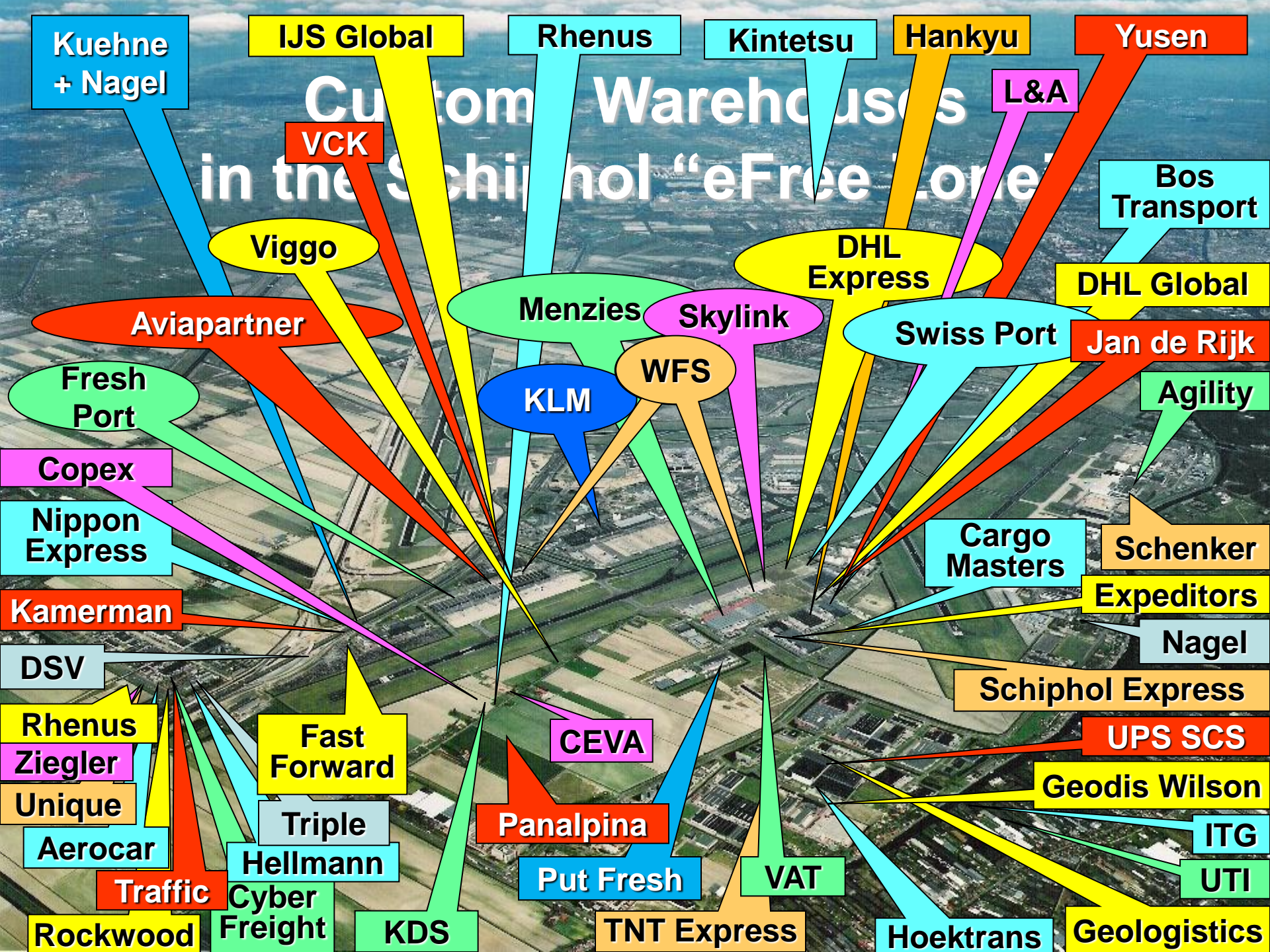
>50 participating companies, operational as of 2005

Airside

Landside



Custom Warehouses in the Schiphol "eFree Zone"





Schiphol **SmartGate Cargo**

Towards an Integrated Approach
of All Compliance Checks
in a Speedy and Reliable Process



A Joint Initiative of:



Rijksoverheid

AIRFRANCE  **KLM**
CARGO

 **Martinair CARGO**

 **ACN**

 **Schiphol**
Amsterdam Airport

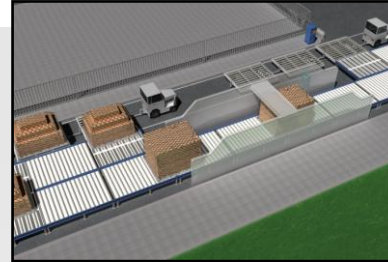
SmartGate Concept: 8 Elements



Customs Control Centre



Joint Inspection Centre



ULD Scan



Centralized Risk Analysis



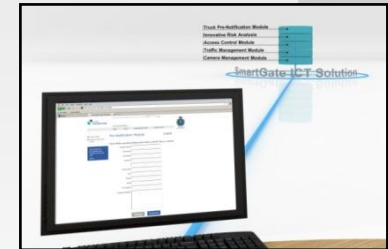
Remote Scan



Mobile Teams / Scan



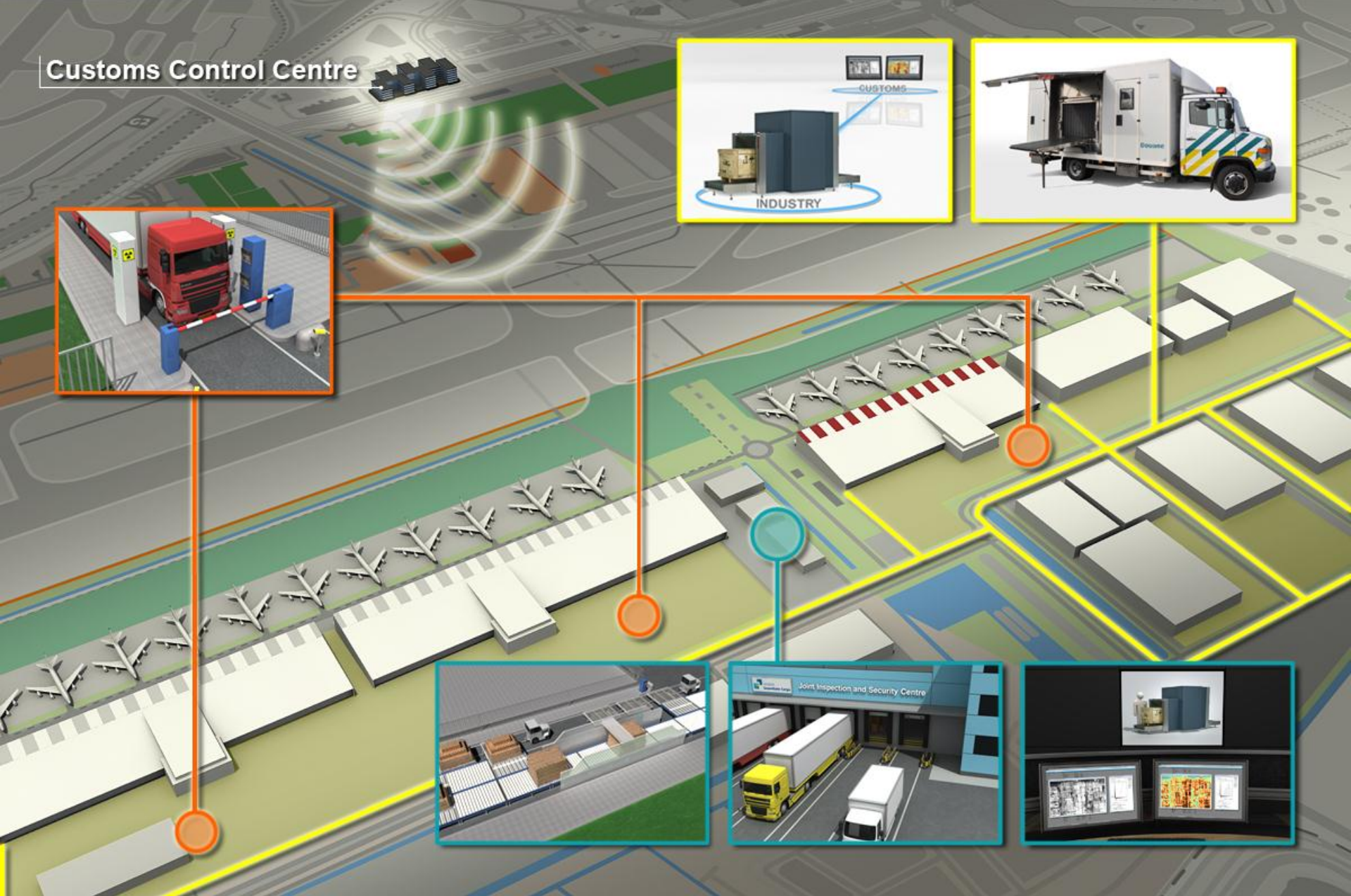
Nuclear Detection



SmartGate ICT Solutions

SmartGate Combines All Compliance Checks and Inspections in a Flexible Way...

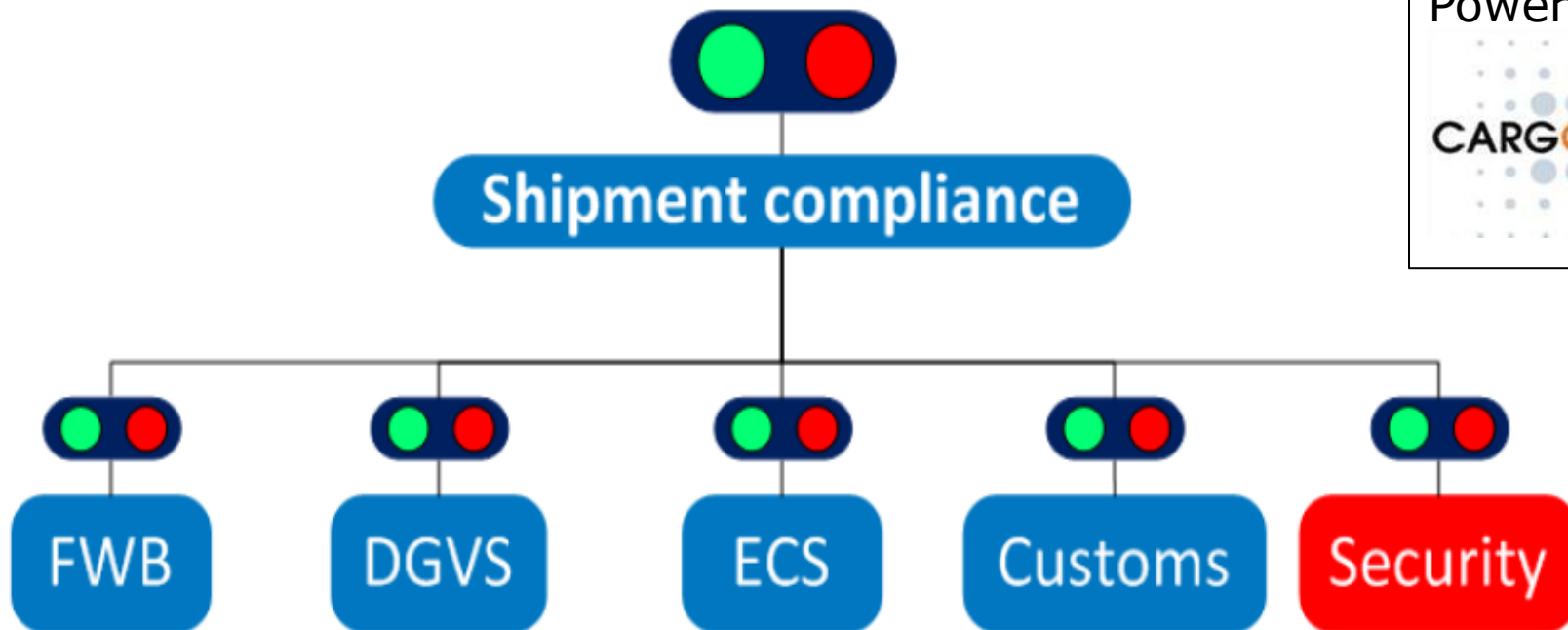
Customs Control Centre



Compliance Check at Schiphol via eCargo Receipt & eLink

eCargo Receipt

Shipment compliance check before delivery at handler



Powered by

CARGONAUT

The ACN Smart Card: For Speed & Security

- Gives access to 10 ground handling companies (mostly 1st line, but increasingly 2nd line)
- Used by > 300 trucking companies / couriers
- Digital ID for > 4,000 drivers
- All with criminal background checks
- Check on truckers' RA status
- With biometric ID: hand scan

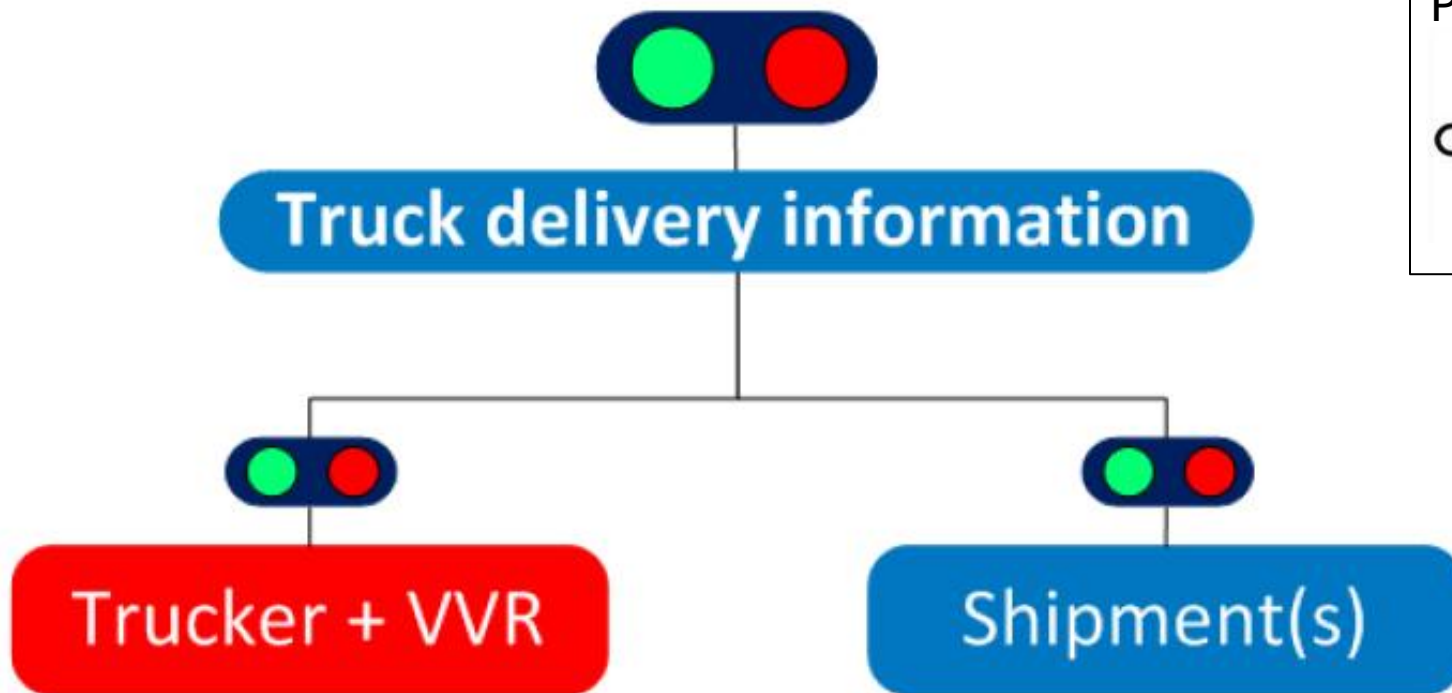
Powered by



Compliance Check at Schiphol via eCargo Receipt & eLink

eLink

Truck delivery information check before delivery at handler



Powered by

CARGONAUT

Advantages of eLink at Schiphol:

- Faster shipment delivery process:
 - No more paper handling and less personnel at the desks of the ground handler
 - Shorter dwell times for forwarder / trucker:
15 minutes faster handling times (approx. 25%)
- Direct savings: approx. € 5 million
- Indirect advantages of eFreight & eLink:
 - Opportunities for further reducing throughput times
 - Peak shaving via Collaborative Planning



Combining eFreight & eLink: *“Please Proceed to Dock Door”*”





Thank you

