



## **Tiger Demo**

### **GENOA FAST CORRIDOR**

Port & Shipping Tech 2013

*Genova, 19 Settembre*

*Genoa Fast Corridor Technical Project Leader*

*Luca Abatello*

*CEO Circle*



# Agenda

## **Framework operativo TIGER\GFC**

- Opportunità Tecnologiche: GFC Platform
- Opportunità Operative
- Semplificazione Normativa\Procedurale

## **Opportunità Future**

- Interoperabilità dei sistemi e AEO
- Corridoi controllati

# TIGER DEMO - GFC - concepts extension

**TIGER Pilot**

**TIGER DEMO  
Transition & Upgrading**

**GFC corridor**

## **GFC**

- **Industrialized shuttle train services to/from Genoa-RTE**
- **Innovative industrialized tracking & tracing** supported/shared by Italian Customs Agency for e-customs/RTE
- **Innovative RFID e-Seals** for trains & reach stackers in large scale movements, for real time information
- **Cooperation with intermodal partners**, for managing integrated traffic flows and related information
- **Full rail traffic management system**, simulation & monitoring in RTE.

## **GFC extended**

- **Powerful system supporting** an enlarged traffic volume for optimizing T&T of different flows at the same time
- **Integrated and upgraded** customs procedures and integration
- **Intermodal management and tracking**, gate automation, focus on integration between rail components and truck transport

# GFC – PROBLEMS SOLVED

## Port Terminal



Operative System

Wireless RFID  
Vehicular  
Handheld

Tracking & Tracing

Customs

eSeals

Genoa Port Authority  
ePort System

RFID  
Seals



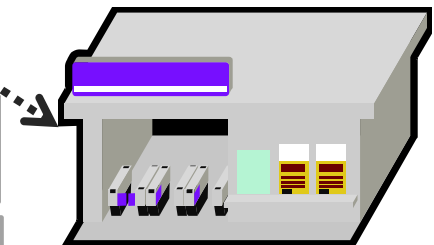
Italian  
Customs  
Agency



Train Systems  
GPS



## Dry Port



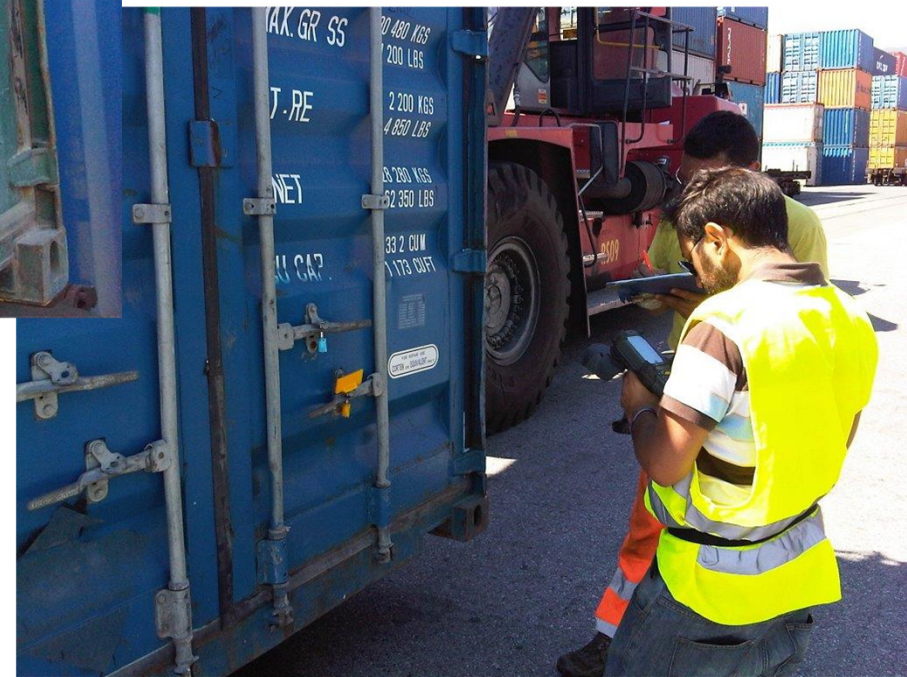
Repairs, Additional  
Services, Logistics

Operative System

ERP

Wireless RFID  
Vehicular  
Handheld

# The integrated corridor demo (1)






# The integrated corridor demo (2)



# The integrated corridor demo (3)

**Terminal San Giorgio**

RFID eSEALS  
TRACKING & TRACING  
eCUSTOMS

Benvenuto: ad  
Sede selezionata: T  
Modifica profilo - Ho  
Log

**T&T** **ECustoms** **Eseals** **SysAdmin** **External flows**

Cruscotto eventi Input Diretto Configurazione Posizione mezzi

**Lista treno**

Home ECustoms Liste Lista tren


Nuova

**Ricerca**

codice viaggio:  Container:  Stato Messaggio: **Chiuso** da data:  a data:  **Filtra**

**Risultati ricerca**

codice viaggio	partenza	destinazione	stato lista	etd	eta	data chiusura	atd	ata			
01082013	RTE	TSG	closed	01/08/2013 17:00	01/08/2013 16:00			01/08/2013 07:40			

**RIVALTA**  
TERMINAL EUROPA

RFID eSEALS  
TRACKING & TRACING  
eCUSTOMS

Benvenuto: sysa  
Sede selezionata:  
Modifica profilo - B  
Lo

**T&T** **ECustoms** **Eseals** **SysAdmin** **External flows**

Cruscotto eventi Input Diretto Configurazione Posizione mezzi

**Lista treno**

Hon

Nuova


**Ricerca**

codice viaggio:  Container:  Stato Messaggio: **Aperto** da data:  a data:  **Filtra**

**Risultati ricerca**

codice viaggio	partenza	destinazione	stato lista	etd	eta	data chiusura	atd	ata			
01082013	TSG	rte	closed	01/08/2013 17:00	01/08/2013 16:00			01/08/2013 07:40			

# The integrated corridor demo (4)



RFID eSEALS  
TRACKING & TRACING  
eCUSTOMS

Benvenuto: sysadmin  
Sede selezionata: TEST  
[Modifica profilo - Home](#)  
[Logout](#)

T&T

ECustoms

Eseals

SysAdmin

External flows

Cruscotto eventiInput DirettoConfigurazionePosizione mezzi

Lista treno

HomeLista treniList Detail

Testata

codice viaggio: 01082013 ETA: ETD: 01/08/2013 ATA: 01/08/2013 ATD:

Aggiorna

Refresh operativa

Chiuso

Modifica Stato



Ricerca

codice container:

Filtra

Risultati ricerca

Vagone	posizione	Stato del carico	codice container	Container type	Full/Empty	Stato doganale	Codice svincolo	
338749093047	1B1	Registered		SFF	Empty			
338749086207	1B2	Registered		SFF	Empty			
338749093146	1B2	Registered		SFF	Empty			
338749093773	1B2	Registered		SFF	Empty			
338749086116	2B2	Registered		SFF	Empty			
338749086140	2B2	Registered		SFF	Empty			
338749086207	2B1	Registered		SFF	Empty			
338749093666	2B2	Registered		SFF	Empty			
338749093146	2B2	Registered		SFF	Empty			
338749086207	1B1	Registered		SFF	Empty			
338749086116	1B1	Registered		SFF	Empty			
338749086116	1B2	Registered		SFF	Empty			
338749093146	1B1	Registered		SFF	Empty			
338749093666	2B1	Registered		SFF	Empty			
338749093773	2B1	Registered		SFF	Empty			
338749093047	2B1	Registered		SFF	Empty			
338749093625	2B1	Registered		SFF	Empty			
338749093625	1B2	Registered		SFF	Empty			
338749093773	1B1	Registered		SFF	Empty			
338749093625	1B1	Registered		SFF	Empty			





# The GFC Platform

The GFC platform represents an innovative solution through which pursuing the unification, digitalization and optimization of the whole process from Ship Discharge to the arrival at the Dry Port via Intermodal Transport.

The pillars of the GFC platform for corridor procedures simplification are:

- **Strengthened Railway Corridor:** ensuring a fast, secure and foreseeable transport process through digitalization and electronic information exchange; ultimately allowing a better cooperation between Private and Public actors involved.
- **Efficiency in Customs Procedures: Aida for some procedures and the «Sportello Doganale Unico»** also for others create a digital framework unifying Customs Procedures belonging to different administrations, and enabling private firms to download and obtain all the certifications and authorizations required by law.  
The whole unified electronic framework will positively impact on transit and dwell time reduction.
- **Intermodal management and tracking:** gate automation, focus on integration between rail and truck transport

# Agenda

## **Framework operativo TIGER\GFC**

- Opportunità Tecnologiche
- Opportunità operative
- Semplificazione normativa\procedurale

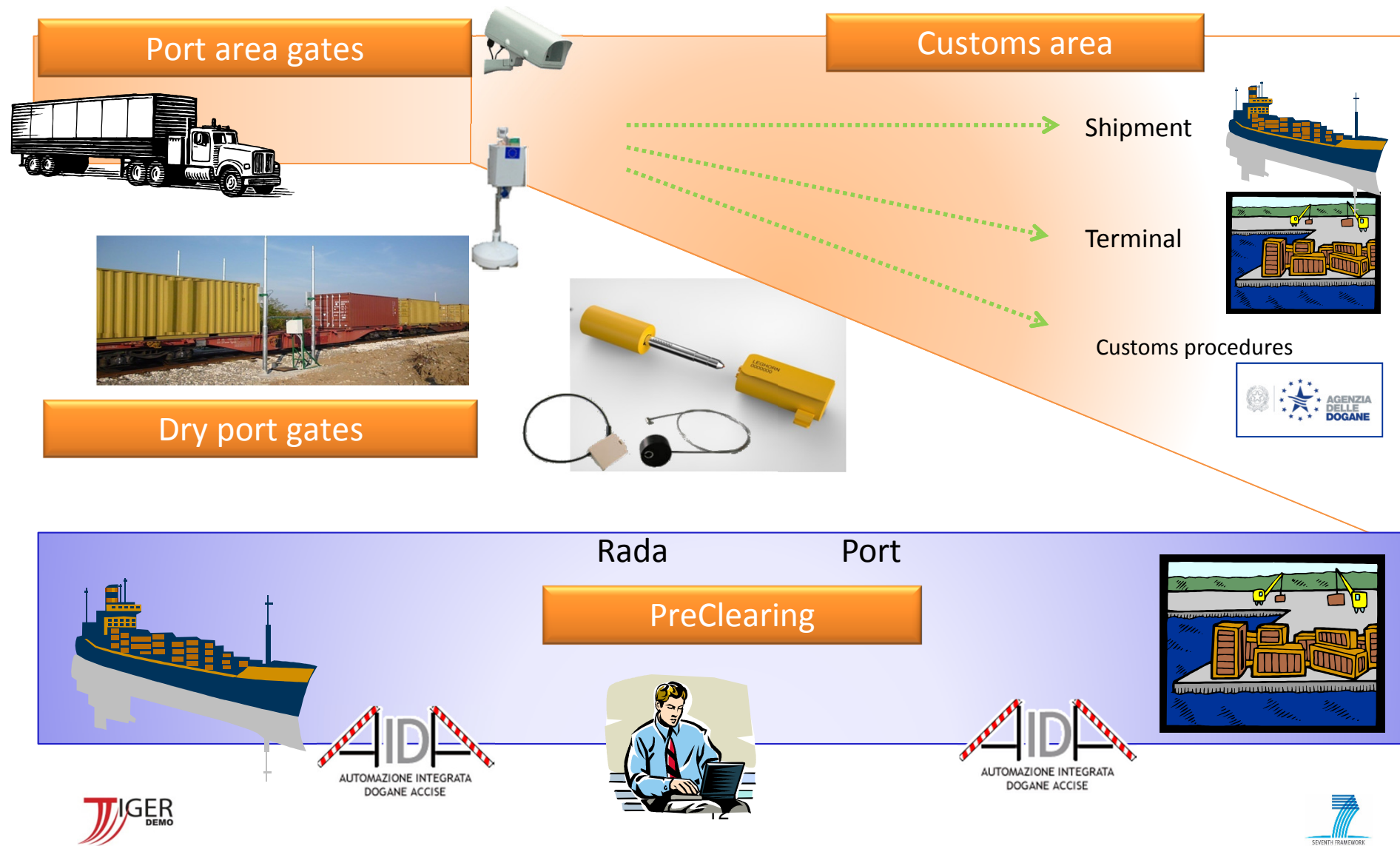
## **Opportunità Future**

- Interoperabilità dei sistemi e AEO
- Corridoi controllati

# Genoa Fast Corridor results – Opportunities

- **e-Seals exploitation:** the electronic seals will create synergies with operative, legislative and procedural simplifications for a further enhancement of timeliness, competitive potential and efficiency in the logistic processes.
- The **AEO Status** is achieved through a certification granted from the European Union and validating the presence of high standards of security and trustworthiness at all levels of the supply chain.  
  
→ Economic Operators who have access to the AEO certification could probably have in the future additional simplifications and speed-up
- **«Il Trovatore» project extension:** further exploitation of procedural simplifications involving digital services offered by AIDA (Italian Customs Agency) and the «Sportello unico» project.
- **Integration of efficient & integrated Logistic Chain with security & simplification...**

# Monitored corridors: efficient, secure, fastest







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