# HUB

## TELEMATICA

**Communication Platform for shipping's world**

Hub Telematica is owned by Assagenti, Spediporto and CGI

Hub Telematica is a company based in Genoa and it was founded in 2000. The business deals with verticalized telematics services in the field of logistics and transport.

In particular it played a major role in the implementation of the port telematic systems. Firstly, in the port of Genoa and later in the port of Ravenna, Savona and Civitavecchia.

Through its platform Sea-Gate, Hub Telematica works in all major Italian ports with cargo and ship oriented telematic services.

Hub Telematica has a staff of about 20 people that can be classified into four departments:
- Specialized Help Desk (1 and 2 levels)
- Project department
- Application development
- Systematic support

Hub supports the interchange of documents between more than 30 ships per day through the relationship with the different logistic companies (Shippers, Shipping Agents, Lines, Terminals and Trucking).

Doing so, it provides the exchange of 15 millions of digitalized export/import documents per year.

In addition to the Italian customs, Hub is authorized for Spanish, Portuguese, Greek, and Maltese customs services (Entry Summary Declaration).

The PCS model, which has been made in Genoa by Hub since 2004, is considered as a model for the realization of different versions of today's Port Community Systems.

**Digitalized services in main intermodal operations developed by Hub Telematica:**

➢ arrival notice
➢ departure notice
➢ gate-in authorization
➢ requested services (VGM, etc…)
➢ info services (alerts, goods status, etc…)

- **Plurality of appointed regulations**
- **Geographical aspects**
- **Number and variety of different actors involved**
- **Traffic volume**
- **Complex interchange of documents for single cycle**
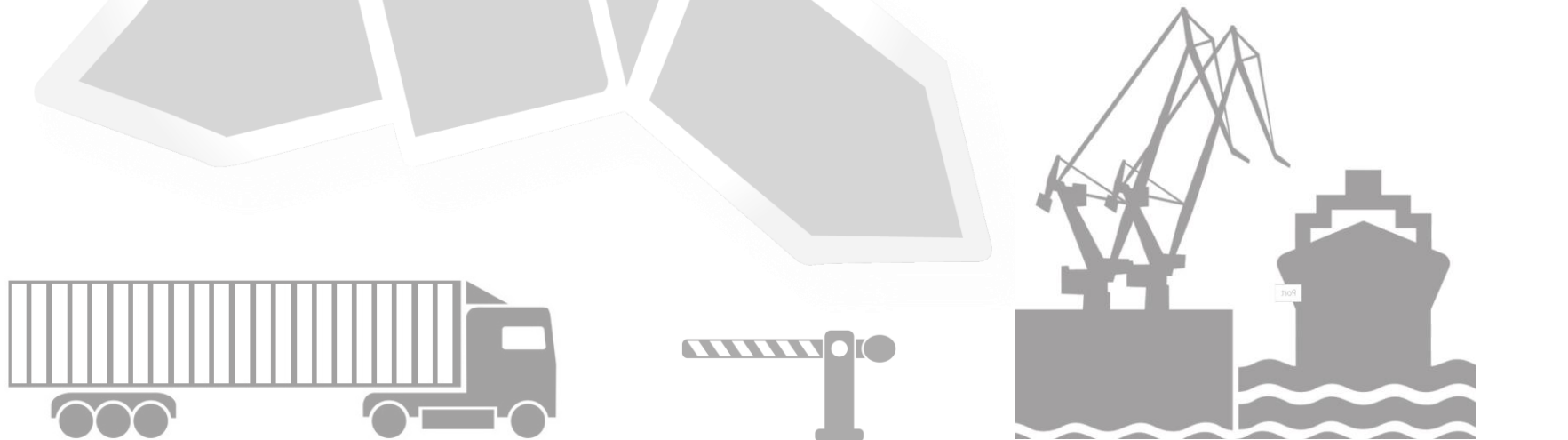
## The Institutional Actors

- Port Authority
- Customs Agency
- GDF
- Maritime Authority
- Maritime Health
- Phytopathologist
- Veterinarian
- Agecontrol
- Port chemists
- …

## Private Actors

- Ship agents
- Carriers
- International freight forwarders
- Custom forwarders
- Terminal Operators
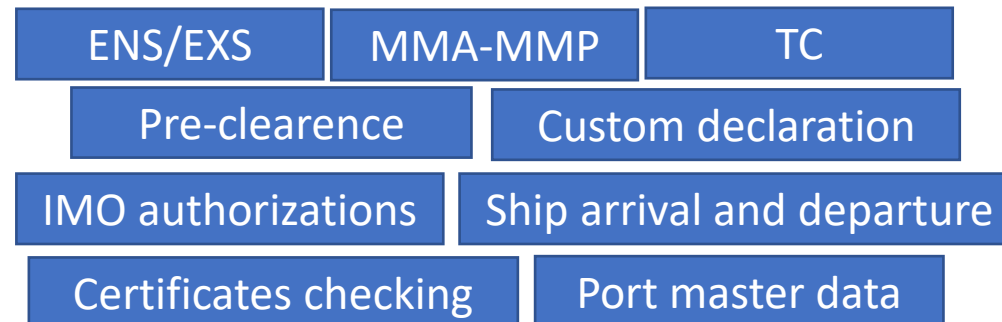- Truck services
- Mto
- Rail services

## Authoritative

- Customs service
- GdF
- Check-point
- Maritime Authority
- Security

| ENS/EXS | MMA-MMP | TC |
|---|---|---|
| Pre-clearence | | Custom declaration |
| IMO authorizations | | Ship arrival and departure |
| Certificates checking | | Port master data |

## Commercial

- Delivery orders
- Discharge authorizations
- Loading Lists

| Ship schedules | Delivery Order |
|---|---|
| Train lists | Loading list |
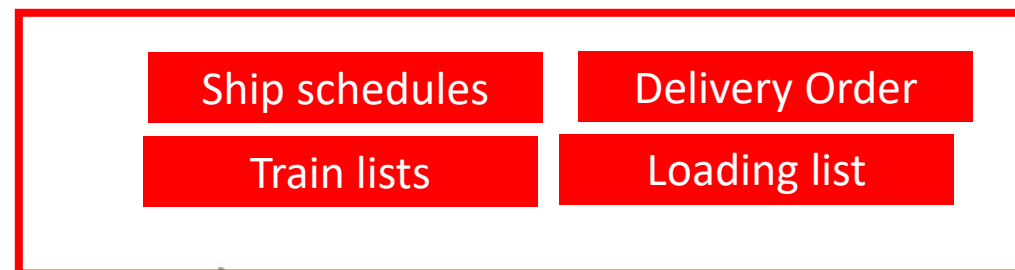
## Operative

- Availability of goods status
- Terminal/gate status
- Documents checking

## Port of Genoa digitalized data volume:

| | |
|---|---|
| 10.000.000 | Digitized documents (structured and non-structured data) per year |
| 50.000 | Operations per day (DD, Gate in-out, Mma Mmp, Odi, ll, lr, vgm...) |
| +10 | RO-RO/container ships per day |
| 4/6.000 | Gate-in/Gate-out trucks |
| 20.000 | Accredited truck drivers to access into port areas |
| 100.000 | Requests for Hub Telematica help desk |
| 6 | Big terminals |

Road transport service ──────────────→ ①

Truck position/goods status ←────────── ②

Good status alert ──────────────→ ③

Green light for port access ──────────→ ④

Truck position update and gate notification ←────────── ⑤

Terminal gate ──────────────→ ⑥

Access to the terminal

Georeferencing area

50 km

1 km

0 km
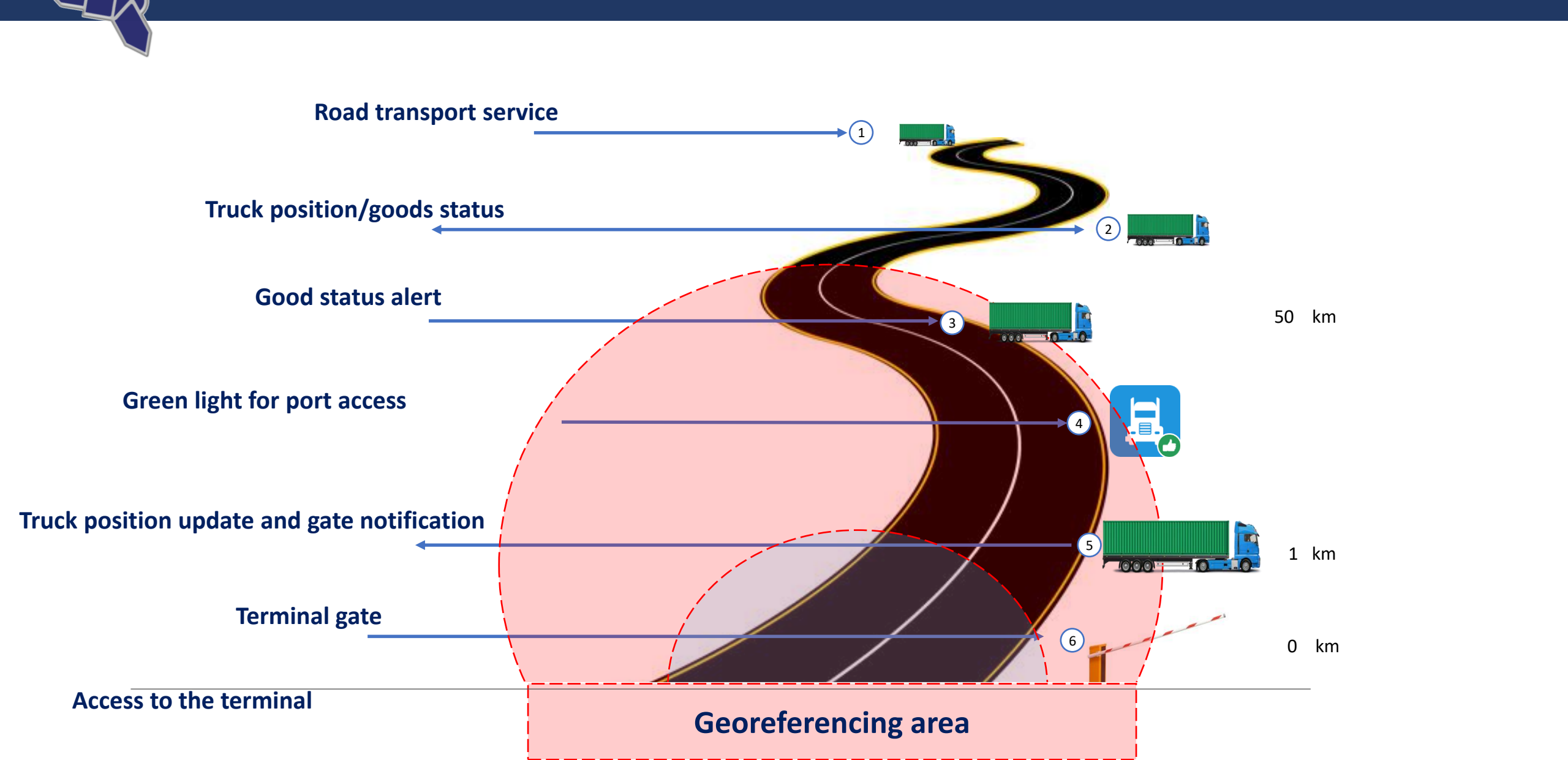
- **Rail frame**
  - Voyage information (estimated time of arrival and actual arrival)
  - Train and cargo information

- **Inland terminals**

- **Voyage information (from/to the terminal)**
  - Gate-in and gate-out alerts
  - Goods status
  - Documentation status

- **Common interchance systems for automated gates of the different logistic facilities**