EGNOS
for tracking & tracing dangerous goods:
lessons learnt from Italy

Click & Find s.r.l
Outline

- Company Profile
- Product and Services
- GPS to EGNOS
  - Feasibility
  - Added value
  - Implementation path
- From the prototype to the product
- New developments

MEDUSA Final event on E-GNSS for freight transport/road/ITS, Amman, Oct 21 2014
Click & Find company profile

- Italian leader for real-time remote supervision of fuel transportation on tanker trucks
  - Over 1,000 tanker trucks monitored in real-time

- Customers
  - 8 Oil Companies,
  - 40+ Fuel Hauliers,
  - 10+ Fuel traders

- Vertical Solution
  - hardware-firmware
  - User’s application
  - VAS services development

- Staff
  - 4 Engineers
  - 2 Technicians
  - 1 Administrative
Application & Services

- Transport Security
  - electronic cargo sealing system
  - fuel theft warning

- Transport Safety
  - driving style
  - loading/unloading safety procedure supervision

- Transport Efficiency
  - delivery correctness
  - trip correctness
  - delay accounting
  - km accounting
GPS towards EGNOS - Feasibility
GPS towards EGNOS – Added Value

**GPS + EGNOS OS + EDAS**

- Higher position accuracy for enhanced risk management, prevention/statistics
- Confidence/guarantee on the position for a better control
2009: Oil company Eni and Italy’s Ministry of Transport validated EGNOS and considered EGNOS OS added value interesting for operational use.

2010: Eni started a step-wise adoption of EGNOS OS and EDAS for monitoring the tankers transporting dangerous goods in Italy. Click & Find retrofitted the on-board units to use EGNOS through Telespazio LCS (for the use of EDAS).

2011: Implementation of EU large-scale operation. Launching/supporting standardization: Click & Find deploys 200+ trucks using EDAS.

CEN WORKSHOP AGREEMENT 16390:2012 Interface control document for provision of EDAS based services for tracking and tracing of the transport of goods.
From the prototype to the product

- 2011: the first 10 EGNOS enabled OBUs
- 2012: the first 200 EGNOS enabled OBUs
- 2013 - 2014: all the sold (1,200) OBUs are EGNOS OS/EDAS enabled
- Dec 2013: The Apulia Region requires EGNOS OS/EDAS enabled OBUs for the public Control Room for Dangerous Goods (Tramper Project): Click & Find wins the tender as a EGNOS OS/EDAS enabled provider !!!
Outlook

- Push of EGNOS OS/EDAS in the market
  - «authentication» of truck for fuel deliveries in ghost gas station
  - identification of the loading point at the bay level

- New Research Project
  - Enabling EGNOS
    - In dangerous good railway transportation
    - In dangerous good intermodal units (tank container)
Thank you!

Questions?