

A stylized sunburst graphic on the left side of the slide, consisting of several curved lines radiating from a central point, with some lines ending in dark grey shapes.

The opportunities of ITS for the freight transport

ITS in freight transport

The European Satellite Navigation for ITS in freight transport

The EU dimension: e-Freight and the ITS Action Plan Directive

A successful case

The role of Member States

The Italian strategy

Technologies:

Satellite Navigation, Telecommunications, RFID, microwave, sensors, digital maps, ANPR, Internet/Web applications

Applications:

Tracking & tracing, fleet/asset management, goods/loads status monitoring, information services, traffic/transit/access control & management, operation planning

Users:

Authorities, Infrastructure managers/operators and facility managers, transport operators, goods and fleet owners, drivers and operators

Key benefits:

Safety, efficiency, support to law enforcement, social benefits

The European Satellite Navigation for ITS in freight transport



EGNOS and Galileo:

European services interoperable with present technologies and improving their performances (i.e. GPS)

EGNOS operational since October 2009

EU R&D projects:

Development of technology and applications

Market preparation (through demonstration and promotion)

Validation of benefits and market opportunities

Elaboration of the introduction to market strategy

Some examples:

Dangerous goods transport management, Livestock transport,

Multimodal freight transport, City logistics

The EU dimension: e-Freight and the ITS Action Plan Directive



Policy formulation having a key role for EGNOS/Galileo introduction:

eFreight initiative acts as a facilitator for EGNOS and creates opportunities for Galileo

The ITS Action Plan Directive supports the roadmap for introduction

A suitable introduction:

Starts at national level

Is extended on bilateral basis/neighboring countries

Is coordinated/harmonized at European level

Key factors for success:

Users dictate directions

Researches lead to fruition

Proven demonstrations are conveyed into operations

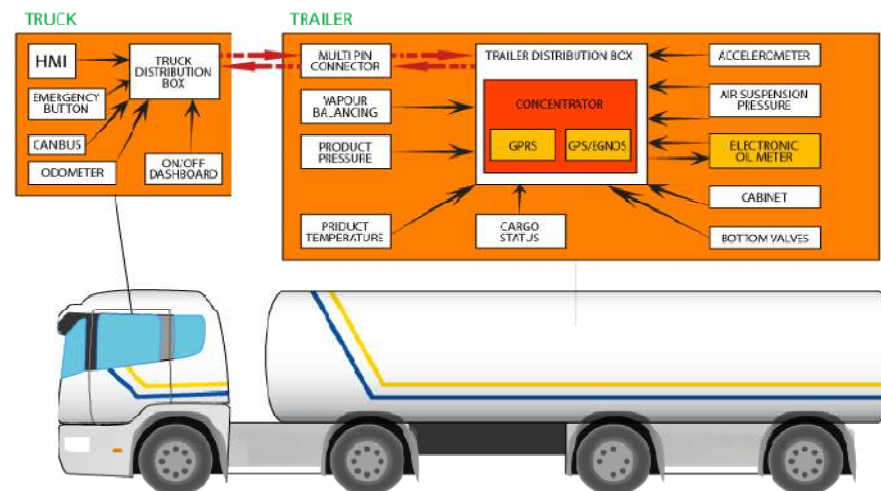
A successful case

The transport of dangerous goods in Italy:

MENTORE and SCUTUM EU R&D projects proved market interests for EGNOS in the cases of specific transports (ex. dangerous goods, tobacco, high value goods)

ENI and Italian Ministry of Transport (MIT) validated EGNOS into the operational system for remotely monitoring road transport of hydrocarbon

ENI using EGNOS for its enhanced stability and accuracy, and “guaranteed positioning” (350 trucks @ Feb. 2010, 500 trucks @ 2011, 1000 trucks @ 2013)



The role of Member States



Member States play a fundamental role to start EGNOS adoption

Governments have to:

Encourage and promote best practices

Explore with industry the benefits, costs and feasibility

Support EU harmonization and coordination

Guide the implementation of EU initiatives and policies

MIT actions:

Ensuring a coherent technological development in ITS framework (ex. UIRNet)

Continuing the best practices programme through a dialogue with the industry

Establishment of working groups with Italian stakeholders (in the frame of the Italian ITS organization) for the ITS Directive Action Plan implementation in Italy

Stimulating the evaluation of EGNOS use, especially for safety applications

Direct involvement in European projects

Pursuing establishment/supervising bilateral institutional-technical working groups in relation to the use of EGNOS for dangerous goods transport (i.e. France and Austria)

Thank you !

Questions?

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