



Trieste Pilot Site Experience Testimonials

7th ECITL Conference

Dortmund

5th – 7th November, 2014



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UNITS Task Force

ITS for freight transport and Logistics



Working together to address the compatibility, interoperability and continuity of the 5 CO-GISTICS' ITS services solutions across all the local, regional and European relevant stakeholders.



The Trieste Pilot Site



CO-GISTICS Trieste Test Site

Full and Associated Partners



Samer & Co. shipping



PLUSERVICE.NET



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Fernetti S.p.A. - Terminal Operator



• Intermodal Terminal of Trieste Fernetti S.p.A

Located on the border between Italy and Slovenia, 18 km from the port of Trieste, along the Multimodal Corridor No. 5 connecting Barcelona to Kiev. It represents an inland platform for the Port of Trieste, to which is connected both by motorway and railway.



Fernetti S.p.A. Dry Port and the Samer Shipping S.p.A. Terminal



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Service Providers



•AutoLogS S.r.l.

AutoLogS, **Automation in Logistics and Service Systems S.r.l.** is a **spin-off company** founded in 2013 and **supported by the Polytechnic of Bari and the University of Trieste**. The **core business** of AutoLogS is focused on the **development of innovative services and solutions based on ICT tools** to provide advanced **Decision Support Systems (DSS)**, **feasibility studies**, **management systems** to be applied to **complex logistics systems, production and manufacturing systems**.



•PluService S.r.l.

The **leading Italian company** in the field of **integrated information technology systems (ERP)** for **passenger transport companies**, with **over 200 clients evenly distributed throughout Italy** and **over 1000 application packages installed**. **DATEX expertise** (in particular for *intelligent parking services*).



Research Institutes



•Polytechnic University of Bari

According to the report **SIR 2013 World Report**, about the **quality of scientific research** produced, the Polytechnic University of Bari have a normalized **impact factor of 2.03, which is the highest among the Italian public universities.**

For its research activities, the Polytechnic University of Bari has a **number of centres and laboratories where research projects are carried out** in the various research areas, even through the co-operation with **scientists and experts**, thus favouring the **interaction** both with other **Italian and foreign universities** and also with research centers and **private companies.**



•ICOOR

Interuniversity Consortium for Optimization and Operations Research

The members of ICOOR have proven experience both on **theoretical research** and development of **practical applications** in several areas including: **Transportation** (purchasing and distribution, bus scheduling, railroad scheduling, airplane scheduling); **Personnel management** (rostering, crew scheduling, timetabling); **Energy** (production and network planning, industrial cogeneration, teleheating networks); **Telecommunications** (network design, service design and management).



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•Autamarocchi S.p.A.



A specialist in intermodal container transport and in conventional FTL/LTL throughout Europe, with 1878 owned vehicles.

From this partnership helpful connections to expand CO-GISTICS project' best practices and services within some of Autamarocchi's relevant clients, such as *Ikea, Geox, Apple, Coin, Benetton*, could derive



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Sea Freight Issues: The Samer Shipping Terminal experience



•Samer & CO. - Shipping S.p.A.

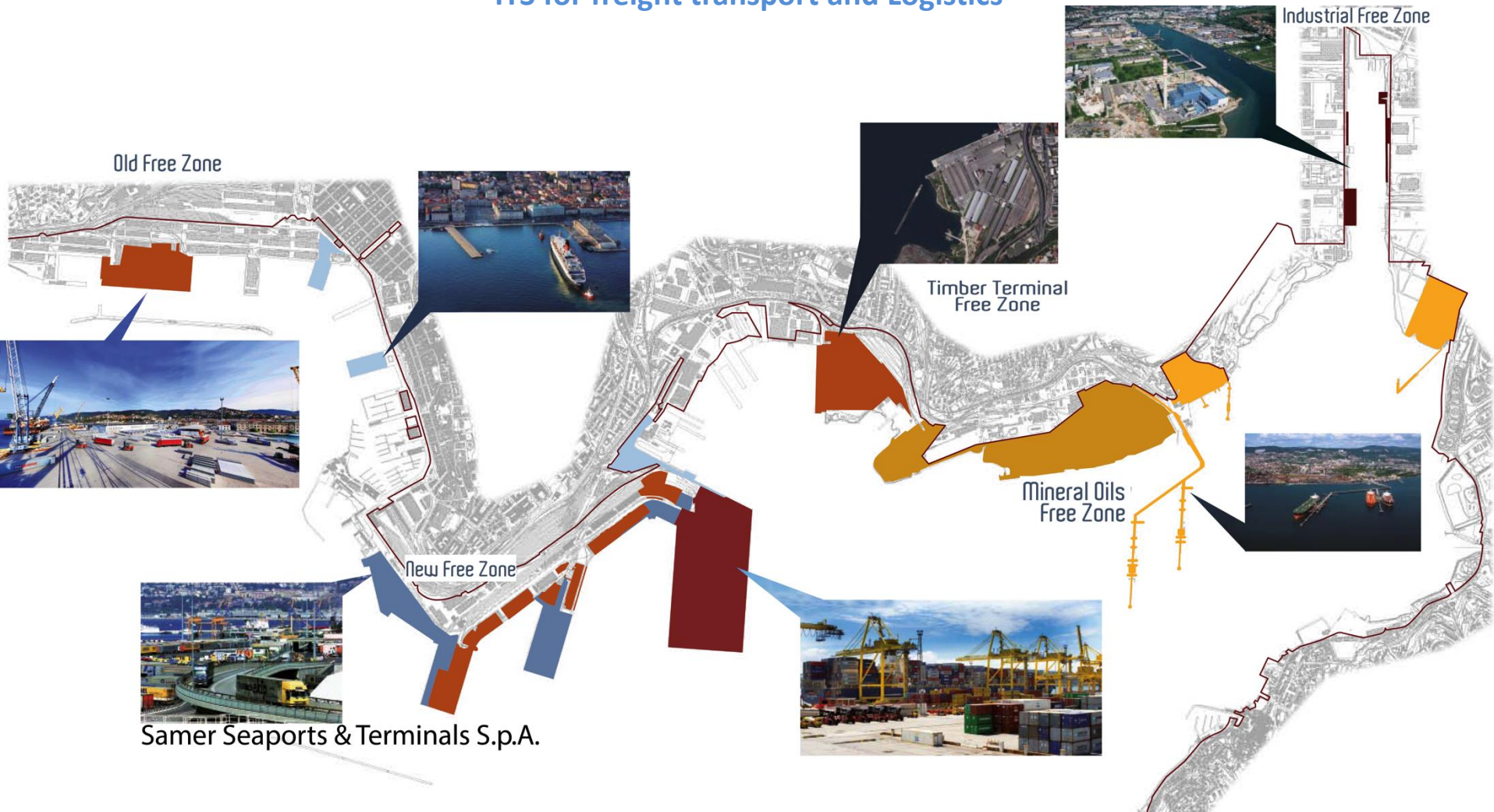


Company specialized in supervising and stevedoring, container control and terminal operations. The Samer group is operative, with their own agencies, in the Italian ports of Monfalcone, Porto Nogaro, Ravenna, as well as in the Slovenian port of Koper, the Croatian port of Rijeka, the Montenegro Port of Bar, the Serbian port of Belgrade and the Albanian port of Durres.



Full partners experience in the Trieste pilot site: focus on Samer

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Map of the Trieste Port Site showing the Samer pilot area



Spreading excellence and widening participation: Port Authority of Trieste



•Port Authority of Trieste

other
Trieste
feasibility of
legal

The Port Authority has the primary task of **directing, planning, coordinating, promoting and controlling port operations and commercial and industrial activities** in the port. The role of the Port Authority will be an active in **monitoring and assessing the 5 CO-GISTICS services**, especially to **establishing a legal framework and promoting further standardisation.**



Spreading excellence and widening participation: Autovievenete S.p.A.



•Autovie Venete S.p.A.



The managing Company of motorway routes A4 Venice-Trieste, A23 Palmanova-Udine South, A28 Portogruaro-Pordenone-Conegliano, A57 ringroad of Mestre and A34 Villesse-Gorizia. The first motorway company in Italy to have signed an international agreement protocol for the management of the emergencies on the motorway (together with Austria, Slovenia, Croatia, Hungary). The implications of Autovie Venete in the CO-GISTICS project will be focused on cooperative adaptive route control definition and on long distance trucks traffic flow management.



Understanding information sharing in logistics and transport: Trieste Pilot site perspectives

The objectives and related expected impacts of the UNITS' task force are:

- **to identify best deployment of the 5 CO-GISTICS ITS services and applications** which will be used as a basis for industry consultation and to identify necessary enabling technology/technologies.
- **to guide, coordinate and monitor the progress of the development and implementation and standardisation of ITS solutions for freight transport and logistics** in the Trieste Pilot site as well as in the European transportation system to ensure a timely, effective and harmonised deployment of those services.



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- to implement a **Decision Support System** devote to optimize the **Trieste Pilot roadmap configuration on ITS for multimodal freight transport and logistics** and **develop further the UNITS-ERTICO partnership** work plan on this topic.

- **identify the enablers for the implementation of the 5 CO-GISTICS services** divided into the following five areas in conjunction and coordination with all the partners and relevant stakeholders:
 1. **Interoperability** (Standardisation and Testing);

 2. **Policy** (Privacy and Liability);

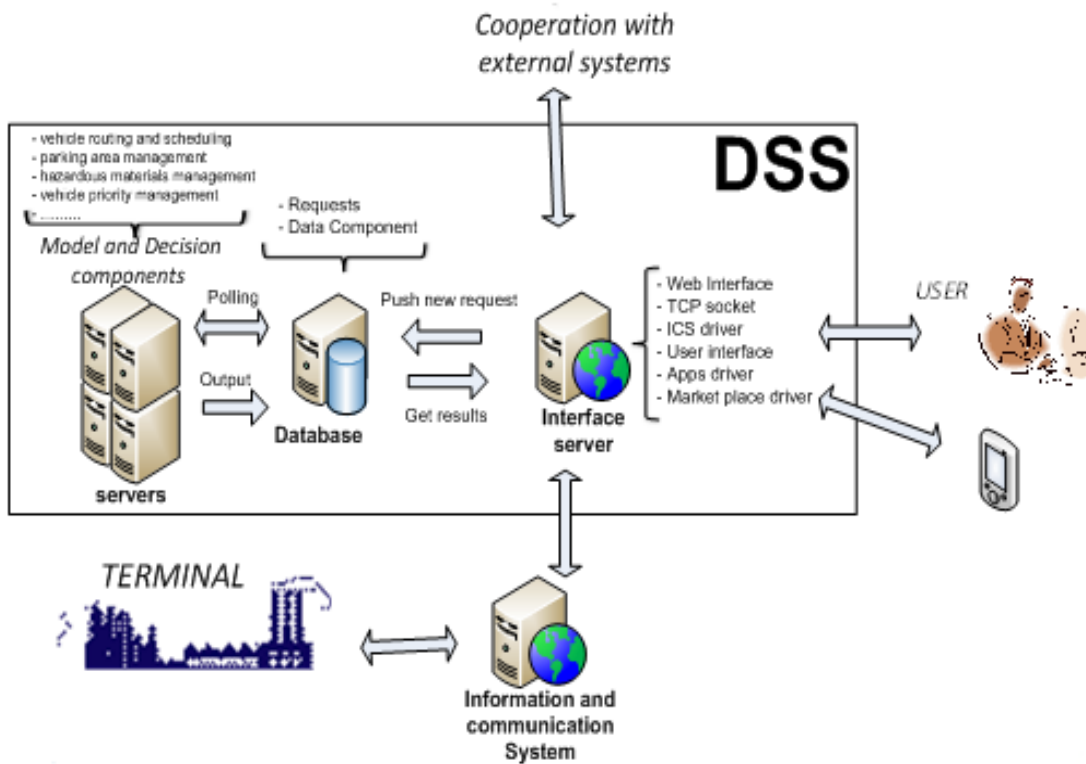
 3. **Information** (Data access and Service access);
 1. **Financing** (Procurement and Cost-benefit);

 1. **Final User usage** (Acceptance and Awareness).



The Decision Support System (DSS) devoted to simultaneously optimize and solve the Trieste Pilot Site multimodal logistics network configuration problem and operations

Equipment



THE DSS AND THE RELATED CO-GISTICS SERVICES

1. Intelligent truck parking
1. Priority and speed advice;
1. Multimodal cargo;
1. CO2 footprint estimation and monitoring;
1. Eco-drive support.



COLOGISTICS



A stylized, blue-toned illustration of an industrial or construction site. On the left, a suspension bridge structure is visible, with a large rectangular component being lowered by several cables. To the right, there are various industrial buildings and structures, including what appears to be a large cylindrical tank or silo. The background is filled with soft, circular shapes, suggesting a sky or a misty atmosphere. The overall style is clean and modern, using various shades of blue.

Prof. Walter Ukovich, UNITS – Trieste Pilot Site Coordinator