



# ISTANBUL METROPOLITAN MUNICIPALITY

## EU Project Experiences

March, 2014 ISTANBUL

# ISTANBUL METROPOLITAN MUNICIPALITY DEPARTMENT OF TRANSPORTATION

- ❑ Istanbul Metropolitan Municipality (IMM) holds a very important place in local administration organization of Istanbul.
- ❑ IMM has 27 municipal enterprises, 2 subsidiary public utility corporations (Transport Authority and Water & Sanitation Authority) and nearly 53,000 employees in total.
- ❑ It is responsible for wide variety of areas including transportation, environment, natural-gas supply, energy, infrastructure, planning and development, IT, community services and vocational education, health-wellness, food & catering, culture, tourism etc.



# ISTANBUL METROPOLITAN MUNICIPALITY DEPARTMENT OF TRANSPORTATION

IMM Department of Transportation is responsible for operating the function of «Transportation Systems Coordination Branch» which serves as the highest consulting authority in regulating and organizing the citywide transport. Besides, it is also mainly responsible for:

- Regulating and controlling the activities of operating private public transportation systems,
- Controlling and planning the transportation projects, getting, providing and producing required technical and statics analysis for the planned and ongoing projects,
- Controlling, rehabilitating and improving traffic controlling facilities and traffic flow directions.

The units working under Department of Transportation are:

- Transport Coordination Directorate,
- Traffic Directorate,
- Transport Planning Directorate and
- Public Transport Services Directorate.

# TRANSPORTATION STATISTICS

- ❑ Area : 5.343 km<sup>2</sup>
- ❑ Daily Population : ~ 14,2 Million
- ❑ Daily Trips : ~ 26 Million
- ❑ Number of Vehicles : ~ 3,2 Million
- ❑ Vehicles Added to the Traffic Daily : ~ 370
- ❑ Transportation Network Length : 25.000 Km
- ❑ Daily Trips Between Continents : ~ 1.1 Million



## EU PROJECT EXPERIENCES

- ❑ Istanbul Metropolitan Municipality (IMM) has an authorized directorate for providing necessary endorsement and coordination for departments of IMM, its related subsidiaries and affiliates to prepare projects for benefiting from national funds and grants and cooperating with involved institutes and institutions including universities.
- ❑ In this context, the Directorate coordinates the applications to EU Fund Programmes and supports our departments from the application process to completing process as well.
- ❑ First application of EU project prepared by IMM was submitted in October 2005.



## EU PROJECT EXPERIENCES

- ❑ Along with the experience arising from activities of preparing EU projects starting in 2005, quick increase has notably been seen since 2009 in terms of applications to EU funds.
  
- ❑ Though 5 EU funded projects were carried out for the first three years, it has been increased to 20 EU projects for the last four years.
  - Between 2005 and 2013, 20 EU projects have been completed by IMM as;
    - leader (11),
    - partner (8) and
    - stakeholder (1).
  - 15 EU projects were completed over the period of 2009-2013.
  
- ❑ Lastly, IMM has been taking part in 20 consortiums for H2020 Programme and 17 of them are *under Transport Programmes*.



# LIST OF SUCCESSFULLY COMPLETED PROJECTS

1. **\*\*\*CONDUITS - Coordination Of Network Descriptors For Urban Intelligent Transportation Systems Project**
2. **\*\*\*SUMPA-MED – *Sustainable Urban Mobility Planning Adapted To Mediterranean Project***
3. **Improvement A Decision Support System For Urban Air Quality Management In Istanbul Project**
4. **ASJIP-Disaster Strategy Operation Package Manager Training Project**
5. **Strengthening Local Authorities Towards EU Project**
6. **SMILE - Sustainable Management Of Istanbul Local E-Waste Project**
7. **ARCHIMEDES- Actions To Regenerate Cities And Help Innovative Mediterranean Economic Development Enhancing Sustainability Project**
8. **Magical Hands Project**
9. **ADEME – Observing Natural Gas Consumption For Heating Rehabilitation Of Houses Project**
10. **ISTSHARE - Exchanging Experiences Of Municipalities And Municipal Affiliates In Turkey And EU Project**
11. **LEARNINC - Business Incubators For Improving Creativity And Entrepreneurship In Historical-Center Clusters Project**
12. **IGEP - Supporting The Solution Of Economic And Social Integration Problems In Istanbul, Izmir, Ankara And Bursa As Major Immigrant**
13. **Talking Fingers Project**
14. **RING - Transferring Supports For Caregivers Project**
15. **Let’s Smile Together In This Summer Project**
16. **Democracy For All Project**
17. **Education Starts In Infant School Project**
18. **Increasing Energy Efficiency Of Chişinau And Sevastopol Municipalities Based On Existing Positive Experience Project**
19. **Awareness Of EU Is Being Shaped In Istanbul Project**
20. **Social Dialogue In The Live Performance Sector In The EU Project**

## 1. CONDUITS - Coordination Of Network Descriptors For Urban Intelligent Transportation Systems Project

❑ **Project Code** :FP7-SST-2007-RTD-1 218636

❑ **Project Start Date**: 01.05.2008

❑ **Project Duration**: 24 Months

❑ **Project Leader**: ISIS - Institute for Studies in Systems Integration (Italy)

❑ **Web Site** : [http://www.transport-research.info/web/projects/project\\_details.cfm?ID=38146](http://www.transport-research.info/web/projects/project_details.cfm?ID=38146)

### ❑ **Project Partners:**

1. Istanbul Metropolitan Municipality-Department of Transportation
2. Polis - Promotion of Operational Links with Integrated Services, Association Internationale
3. Technion - Israel Institute of Technology.
4. Administration de L'equipement et des Deplacements
5. City of Paris - Department of Roads and Transportation
6. Ajuntament de Barcelona
7. Imperial College of Science, Technology and Medicine
8. Technische Universitaet Muenchen
9. Agenzia Per la Mobilita del Comune di Roma Spa

### ❑ **Objectives:**

- To establish a coherent set of Key Performance Indicators (KPIs) to indicate ITS (Intelligent Transportation System) good practice.
- To understand European cities future ITS plans and to compare this to ITS worldwide.
- To clarify the market for specific ITS applications and to understand the barriers to implementation.
- To facilitate technical exchange on ITS solutions applied in major European cities through a series of workshops and the possible establishment of a city club, specifically promoting best practice.

### ❑ **Project Results:**

- The CONDUITS City Pool
- Several deliverables have been produced within CONDUITS
- Input in EU Transport White Paper 2011 targets
- Readiness for deployment: The project has already been implemented in a number of countries

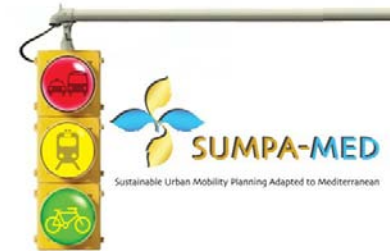


c o n d u i t s



## 2. SUMPA-MED – Sustainable Urban Mobility Planning Adapted To Mediterranean Project

- ❑ **Project Code:** EuropeAid/127778/C/ACT
- ❑ **Project Start Date:** 08.12.2009
- ❑ **Project Duration:** 36 Months
- ❑ **Project Leader:** Gaziantep Metropolitan Municipality
- ❑ **Web Site:** [www.sumpa-med.net](http://www.sumpa-med.net)
- ❑ **Project Partners:**
  1. The Union of Municipalities of Marmara (Turkey),
  2. Aleppo Metropolitan Municipality (Syria),
  3. İrbid Metropolitan Municipality (Jordan),
  4. Stuttgart Metropolitan Municipality (Germany),
  5. Paris Metropolitan Municipality (France),
  6. Greater Lyon Urban Community (France),
  7. Turkish Ministry of Environment & Forestry (Turkey),
  8. IMM – Head of Transportation (Turkey) as stakeholder
- ❑ **Objectives:**
  - Transferring experience regarding environmentally friendly city transportation of Turkey and Europe to Syria and Jordan
  - Sharing information and experience of cities
  - Endorsing Syrian and Jordanian local authorities about this issue
  - Working on identifying strategies about transportation.
- ❑ **Project Results:**
  - An interactive network among professionals
  - transfer of know how and best practices
  - exchange of experience related to sustainable mobility planning, sustainable modes of transport, and organizational systems.
  - Contributing to Syrian and Jordanian local authorities has been made.



## 1. INSTANT MOBILITY- Multimodality for People and Goods in Urban Areas

- ❑ Web Site: <http://www.instant-mobility.eu/>
- ❑ Project Leader: THALES, France
- ❑ Project Partners:



- ❑ In the Instant Mobility vision, every journey and every transport movement is part of a fully connected and self-optimising ecosystem. Whatever the traveller's situation (office, home, on-trip...) Instant Mobility will deliver useful Future Internet enabled information and services.
- ❑ The traveller will receive personalised and real-time solutions to support him reaching his destination according to current personal preferences and constraints, real-time traffic status and public transport availability along his journey. These real time-solutions will be proactively updated during the traveller journey based on his effective progression.
- ❑ Local authorities, public transport operators and professional drivers will all benefit from the open information platform that Instant Mobility will provide to publish information regarding immediate and near future mobility requests as well as effective availability and location of all means of transportation. This will allow new ways to optimize urban traffic while enhancing safety and privacy of the travellers and promoting car sharing and car-pooling on a new scale.
- ❑ Fleet operators' management and goods collect & delivery monitoring are the other key components of the Instant Mobility holistic vision of the near future urban mobility.

## 2. OSIRIS - Optimal Strategy to Innovate and Reduce Energy Consumption In Urban Rail Systems

- ❑ **Web Site:** <http://www.osirisrail.eu/>
- ❑ **Project Duration:** January 2012- December 2014
- ❑ **Project Leader:** UNIFE - The European Rail Industry, BELGIUM
- ❑ **Project Partners:** Osiris has 17 project partners, including all major stakeholders: public transport operators, railway



- ❑ OSIRIS aims at enabling a reduction of the overall energy consumption within Europe's urban rail systems of 10% compared to current levels by 2020. In order to fulfill this objective, the following specific objectives will be addressed:
  - Define the overall needs and operational requirements allowing for the development of a global approach for the simulation, optimisation and benchmarking of the energy consumption of urban rail systems (i.e., Light Rail, Metro, Suburban);
  - Define a series of standardised duty cycles and key performance indicators for urban rail systems to allow for direct performance comparisons and benchmarking of technologies;
  - Develop a holistic model framework assembling existing proprietary traction and power network simulation modules into a complete urban rail system model (i.e., the OSIRIS tool).
  - Employ optimisation methodologies for the identification of efficient, reconciled strategies for realising low energy consuming urban rail systems, based on the use of the OSIRIS tool;
  - Propose a Technical Recommendation (TecRec – a sector-wide voluntary standard) for the use of onboard energy storage systems, addressing the issue of assessment and mitigation of safety risks for the customer and operation staff;
  - Evaluate specific railway technologies, operational strategies and the economic/political framework for the future reduction of energy consumption in urban rail systems;
  - Assess and compare the overall energy saving potential when applying new technologies or operational modes; and implementing them over both existing and new equipment.
  - Demonstrate energy savings through the OSIRIS tool and a number of defined demonstration scenarios based on real use cases.

## 3. LOG4GREEN Project - Joint Excellence For Sustainable Logistics



- ❑ **Web Site:** <http://www.log4green.eu/>
- ❑ **Project Duration:** December 2011 - December 2014
- ❑ **Project Leader:** Entwicklungsagentur Kärnten, Austria
- ❑ **Project Partners:** Logistics clusters of six regions;
  1. Carinthia (Austria),
  2. Ruhr Area (Germany),
  3. Wallonia (Belgium),
  4. Normandy (France),
  5. Istanbul (Turkey),
  6. Odessa (Ukraine) perform joint analyses of the respective logistic sectors in order to develop regional strategies and a Joint Action Plan.
  
- ❑ The LOG4GREEN cooperation aims at awareness raising and strengthening the competitiveness in Europe's Logistics sector.
- ❑ To this end Logistics clusters of six regions have joined forces to elaborate a Joint Action Plan (JAP) which is built on regional analyses and strategies.
- ❑ The LOG4GREEN partnership builds upon existing bilateral cooperation between the partner regions, promotes synergies but also identifies complementarities in both, research and economic fields.
- ❑ The consortium further improves existing links between the actors involved and stakeholders in clearly defined mentoring and benchmarking regions.

# EXPECTATIONS FROM FUTURE COOPERATION IN RESEARCH WITH EUROPEAN COMMISSION

As a day by day growing metropolitan, Istanbul has various requirements especially on transportation issue, such as;

- ITS
- Logistics
- Congestion Charge
- Sustainable environment friendly transportation solutions (demand management, providing cycling, pedestrianisation, etc)
- Climate Change



**THANK YOU VERY MUCH FOR  
YOUR KIND ATTENTION!**

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