

SMART CITY JOURNEY OF ISTANBUL

ESMA DİLEK

IMM'S DEPUTY TRAFFIC MANAGER

SMART CITY JOURNEY OF ISTANBUL

BRIEF INFO ABOUT ISTANBUL

BASIC CHARACTERISTICS OF SMART CITIES

SMART CITY JOURNEY OF ISTANBUL

IMM'S SMART CITY APPLICATIONS

IMM'S SMART CITY TRANSPORTATION VISION

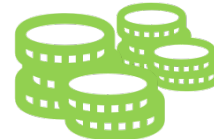
ABOUT ISTANBUL



14,8
million
population



#1
The most crowded
city of Turkey &
Europe



23%
Turkey's GDP
Share



40%
Contribution to the
national budget



39
district
municipalities



~2,46 million
number of vehicles
in daily traffic



~30 million
number of daily trips



~1,7 million
number of daily
intercontinental
transits

BASIC CHARACTERISTICS OF SMART CITIES



Smart
Environment



Smart
Economy



Smart
Community



Smart
Transportation



Smart
Life



Smart
Management

ABOUT ISTANBUL

BASIC
CHARACTERISTICS OF
SMART CITIES

SMART CITY JOURNEY
OF ISTANBUL

IMM'S SMART CITY
APPLICATIONS

IMM'S SMART CITY
TRANSPORTATION
VISION

SMART CITY JOURNEY OF ISTANBUL

PHASE 1: INVESTIGATION OF WORLD SAMPLES



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May 23, 2016


Examining Best Practices


Best Practices Workshop



Literature Review
Frost&Sullivan



Assessment Report of 10 Smart Cities



PHASE 2: ANALYSIS OF CURRENT STATUS

Stakeholder Management Plan

- 8 Basic Area / 27 Focus Areas / 60 Sub Focus Areas
- 209 Stakeholders (Public, Private, NGO, universities)



Analysis of Current State

- Smart City Index of Istanbul
- GZTF Analysis



Ericcson – Earnst & Young for strategy development



Stakeholder Analysis

- Online Surveys
- Face to face meetings
- Focus Group Workshops



Difference Analysis

SMART CITY INDEX OF ISTANBUL



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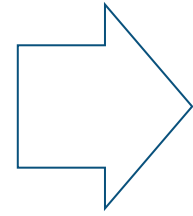
BASIC CHARACTERISTICS OF SMART CITIES

SMART CITY JOURNEY OF ISTANBUL

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IMM'S SMART CITY TRANSPORTATION VISION

Ericsson Networked Society City Index 



Smart City Index of Istanbul 

6 Functional Areas

- Environment
- Mobility
- Economy
- Human
- Life (Security)
- Management

19 Focus Areas

41 Variables (Sub Focus Areas)

60 Indicators

IMM'S SMART CITY FOCUS AREAS
















ABOUT ISTANBUL

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SMART CITY JOURNEY OF ISTANBUL

IMM'S SMART CITY APPLICATIONS

IMM'S SMART CITY TRANSPORTATION VISION

 Participative Management	 Safe Society Clean Environment	 Decrease in Carbon Footprint	 Use of Renewable Energy Resources	 Trackable / Measurable City
 Seamless Communication	 Protective / Preventive Health Practices	 Decrease in Traffic Congestion	 Effective Education & Development Management	 Secure Networks
 Social Integration	 Effective Data Analysis	 Cycling & Decomposition	 Effective Disaster Management	 Effective Use of Resources

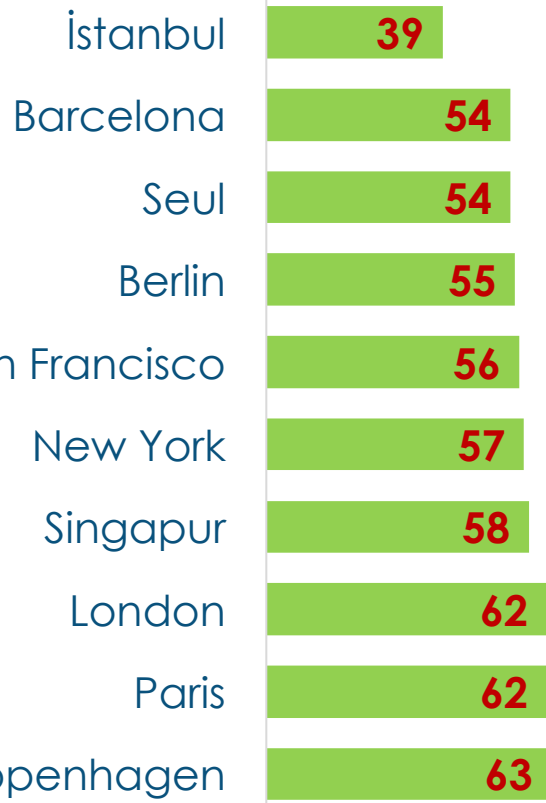
SMART CITY INDEX OF ISTANBUL



Final
Benefits

- Providing input for the **Determination of Priorities**
- Providing input for the **Development of Strategies**

CITY RANKING ACCORDING TO SMART CITY INDEX



Ranking	Environment	Mobility	Economy	Human	Life	Management
Copenhagen	3	1	3	1	3	6
Paris	4	5	4	2	6	1
London	5	8	5	5	2	3
Singapur	10	4	2	3	9	2
New York	9	3	6	7	7	4
San Francisco	7	9	1	6	4	8
Berlin	2	6	7	4	5	9
Seul	8	2	8	8	8	5
Barcelona	1	10	9	9	1	7
Istanbul	6	7	10	10	10	10

PHASE 3: SMART CITY VISION AND STRATEGIES



ABOUT ISTANBUL

BASIC CHARACTERISTICS OF SMART CITIES

SMART CITY JOURNEY OF ISTANBUL

IMM'S SMART CITY APPLICATIONS

IMM'S SMART CITY TRANSPORTATION VISION


Vision Development Workshops


Citizens' Vision Analysis

Istanbul's Smart City Vision & Strategy Report 



Earnst & Young


Focus Group Strategies


Senior Management Meeting

PHASE 4: ARCHITECTURE



ABOUT ISTANBUL

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IMM'S SMART CITY APPLICATIONS

IMM'S SMART CITY TRANSPORTATION VISION

Conceptual Design



Physical Architecture



High Level Technical Architecture



Logical Architecture

- Istanbul's Smart City Architecture Report

March 2018

PHASE 5: ROADMAPPING

Development of
Smart City Projects



Short-Medium-Long Term
Project Calendar

- Smart City Application Roadmap of Istanbul

IMM'S SMART CITY APPLICATIONS

IMM'S SMART CITY APPLICATION SAMPLES

ABOUT ISTANBUL

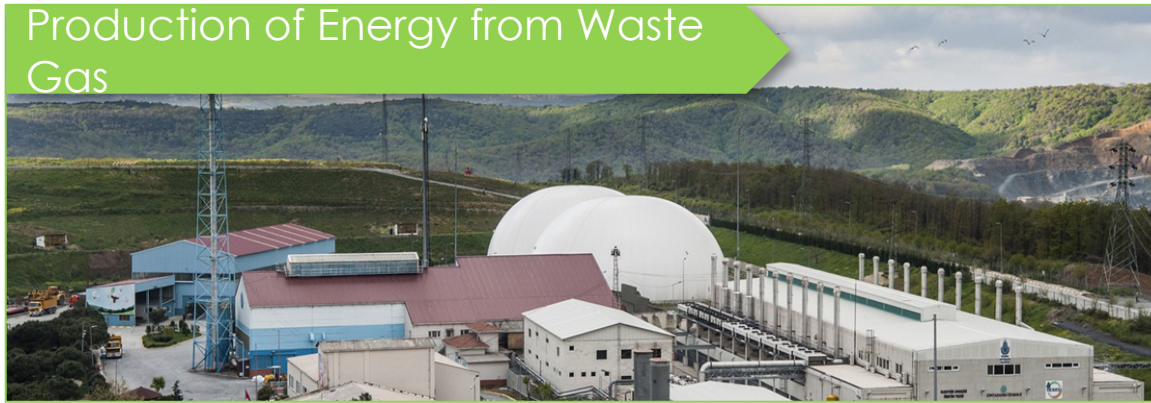
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IMM'S SMART CITY APPLICATIONS

IMM'S SMART CITY TRANSPORTATION VISION

Production of Energy from Waste Gas



4E Management Model of IETT



Floating GES Project

Adaptive Traffic Management System (ATAK)



IMM'S SMART CITY MOBILE APPLICATIONS



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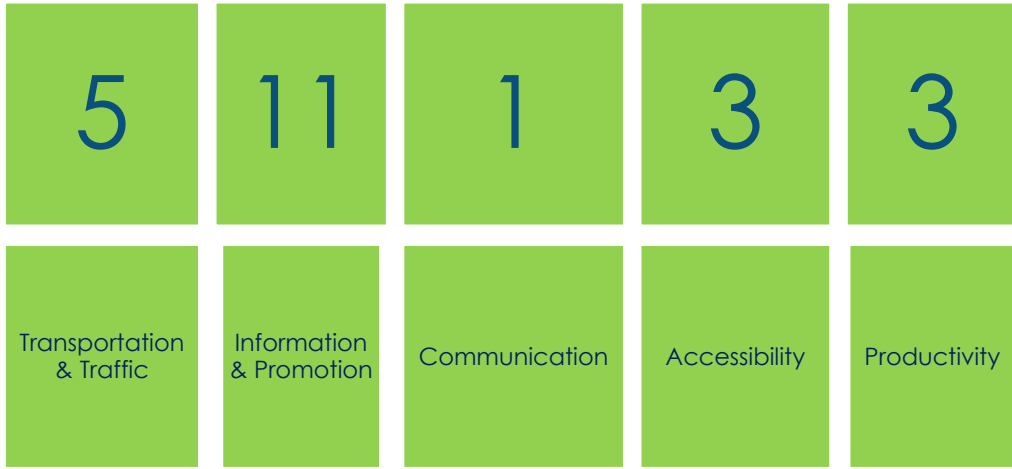
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IMM'S SMART CITY APPLICATIONS

IMM'S SMART CITY TRANSPORTATION VISION

23 Applications in Google Play

34 Applications in App Store



IMM'S SMART CITY TRANSPORT APPS/PROJECTS



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iTaksi



MOBIETT



R4E



iBB Cep Trafik



SMART CITY JOURNEY OF ISTANBUL

Thank You..

ESMA DİLEK

ISTANBUL METROPOLITAN MUNICIPALITY

DEPUTY TRAFFIC MANAGER