



*** ISTANBUL METROPOLITAN MUNICIPALITY**

Burcu ÖZDEMİR, Ph.D. **Director of Smart City**

ISTANBUL IN NUMBERS



Turkey's Largest Metropolis

Biggest metropolis in Turkey with a population of over 16 million. Larger than 23 countries in Europe



Strategic Location

Locates at a strategic location connecting Europe and Asia



Bigger Than Economy of 130 Countries

Istanbul provides Turkey's 56% of foreign trade volume, 27% of national income and 43% of exports



Young Population

There are 4.7M young population in Istanbul between the age of 0-25



Internet Usage

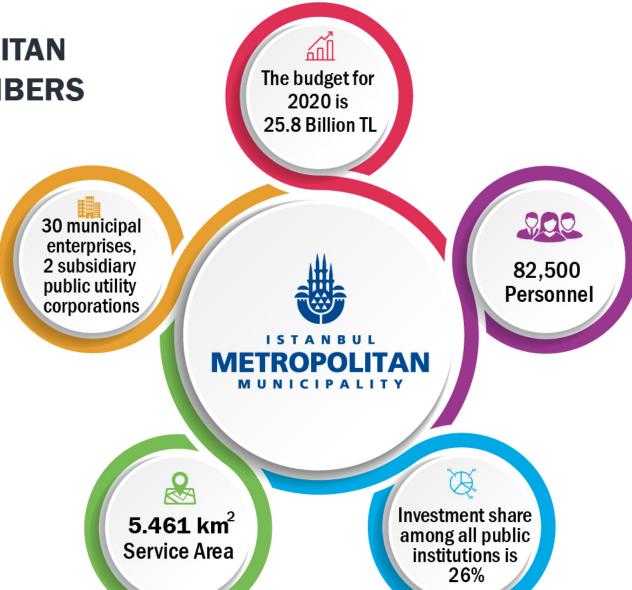
There are about 60 million internet users in Turkey. The percentage of internet access in Istanbul is 96% and there are about 14 million internet users





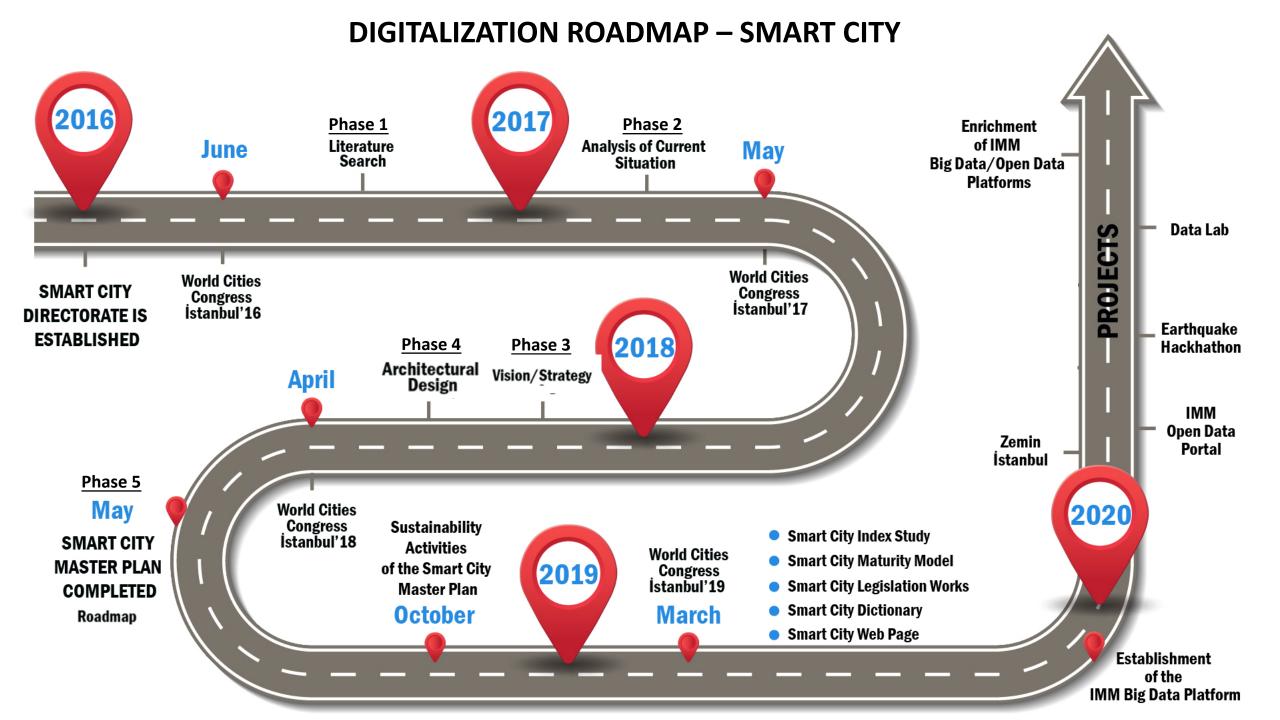


ISTANBUL METROPOLITAN MUNICIPALITY IN NUMBERS





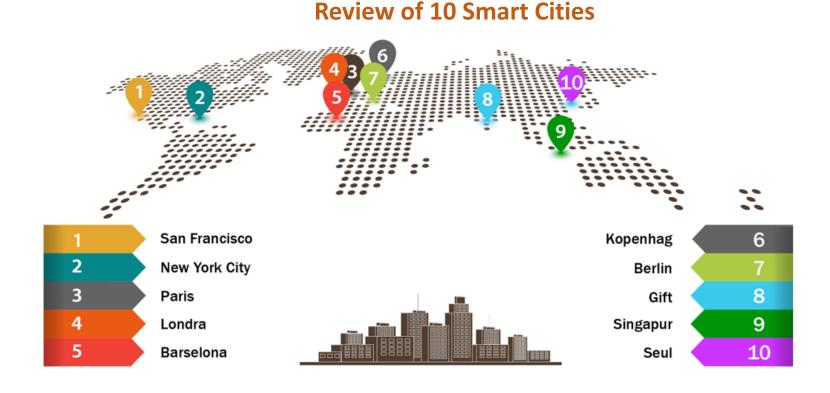




LITERATURE REVEIW PHASE 1

1)Review of Guide Documents

2)Examination of Good **Practices Examples**



All area information in the context of smart city subject was gathered within literature review phase.

10 major smart cities in the world, which have good practice examples, were examined and reports of these cities were created within the scope of the «Istanbul smart City Project»

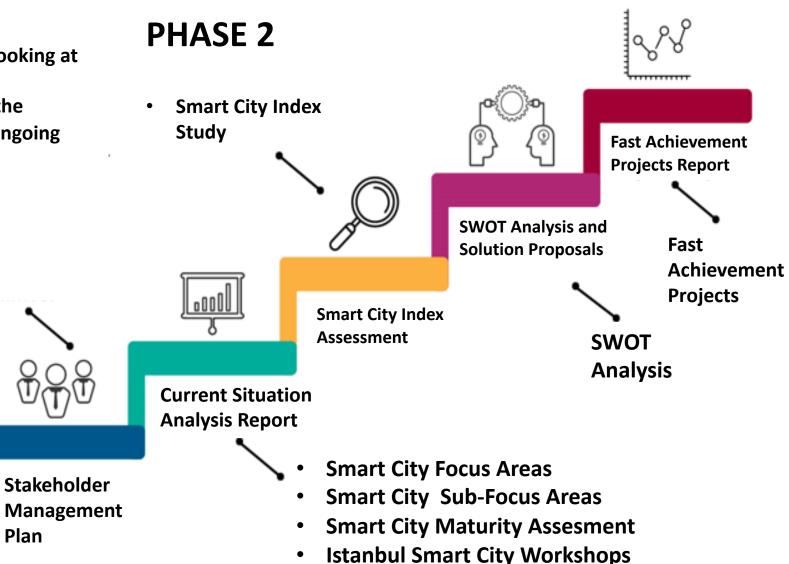




CURRENT SITUATION ANALYSIS

Current situation was analyzed by looking at the current status of Istanbul, the competencies of the stakeholders, the technology infrastructure and the ongoing projects.

- **Stakeholder Analysis**
- **Stakeholder Management Panel**
- **Contacting Stakeholders**
- **Stakeholder Surveys**
- **Stakeholder Meetings**





Stakeholder

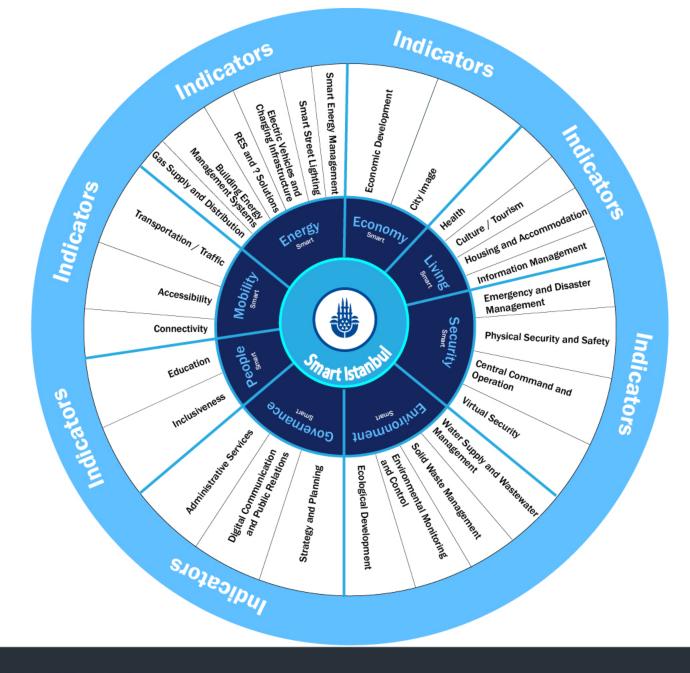
Plan

SMART ISTANBUL FUNCTIONAL & FOCUS AREAS

- 8 Functional Area
- 28 Focus Area
- 3 Promoters

PROMOTERS

- Information and Commication Technologies
- Organization and Human Resources
- Finance



VISION, STRATEGY & ROAD MAP PHASE 3

At the phase of determining the vision and strategy, it was aimed to establish the strategies of the city, together with the stakeholders, that will enable Istanbul to reach its vision and future goals, and to determine the projects that will raise our city in every field.



VISION-MANIFESTO

- IMM Executive Survey
- Vision Workshop,
- Mars Group Workshop,
- Creation of Istanbul Smart City Manifesto



STRATEGY

- Social Media Analysis
- Citizen Survey Study
- Legal Personality Survey
 Study
- Strategic Goals
- Targets
- Initiatives
- Projects
- Project Selection (101 Projects)



ROAD MAP

 Creating a master plan (101 projects to be realized in the short, medium and long term 2029)

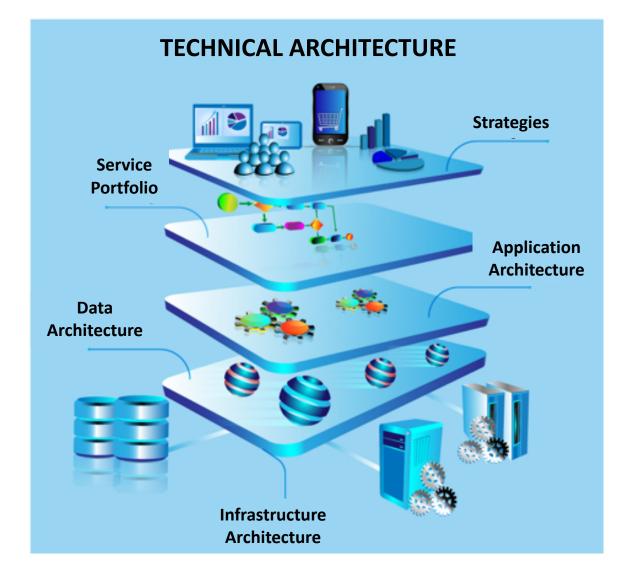
 Strategies have been created to ensure that Istanbul Smart City is depicted in a 10-year time frame until 2029, thereby enabling stakeholders to serve a common and clear goal and goal.





ARCHITECTURAL DESIGN PHASE 4

- Istanbul Smart City Architecture was designed based on the 3D (Discover-Define-Design)
- After the 3D Design phase is over, the process will be adapted with the fourth and fifth "D" fiction as "Develop" and "Deploy".
- The conceptual design of the applications that will be implemented in the context of a smart city for functional areas in smart city architecture has been revealed.
- Afterwards, a technical architecture was constructed in accordance with the conceptual design that would enable these applications to communicate with each other and work integratedly.







Smart City Istanbul



ROAD MAP PHASE 5

Road Map Phase (after the Vision & Strategy and Architectural Design phases) is the phase where the projects to be implemented in the short, medium and long term are determined, prioritized and planned.

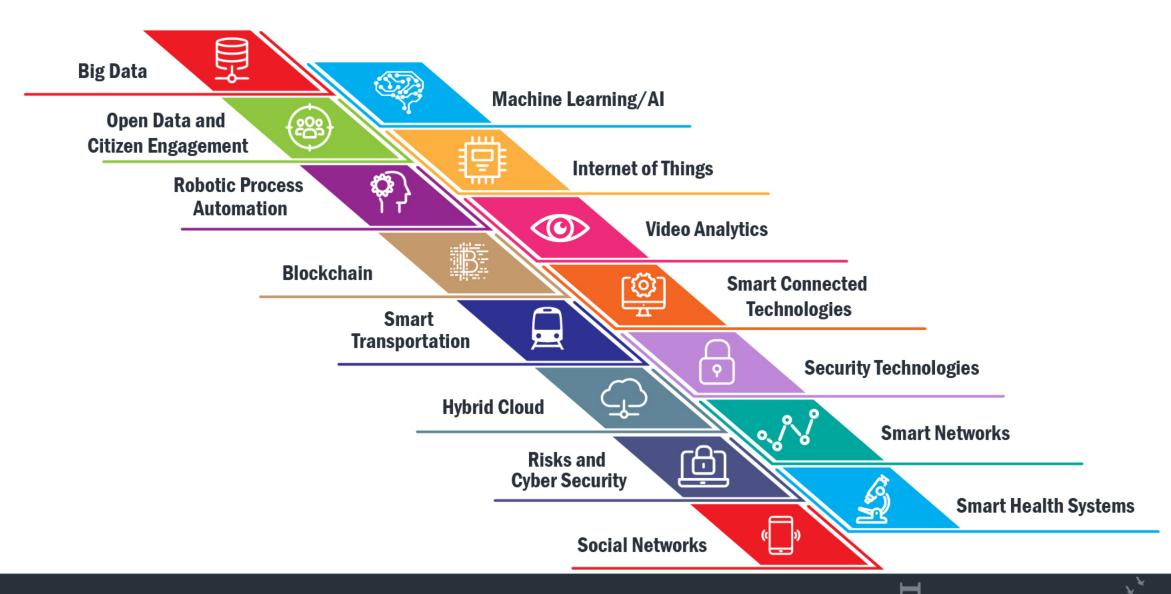
STEPS

- Creating a Strategic Road Map,
- Prioritization of Projects
- Time Plan
- **Impact Analysis**
- Impact Map
- **Detailed Change Impact Analysis**
- Public Relations Plan,
- **Smart City Governance Structure**





TRENDS RISING IN SMART CITIES



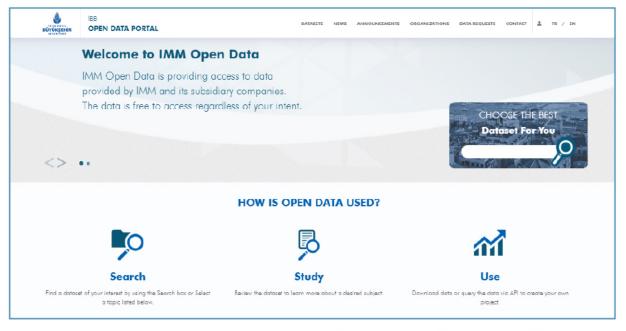


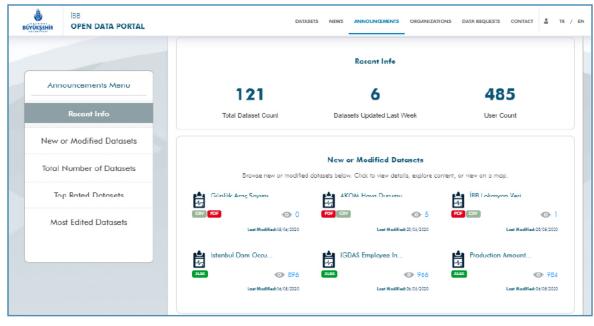
"IMM'S OPEN DATA PORTAL"

ISTANBUL METROPOLITAN MUNICIPOLTY "OPEN DATA PORTAL" is LAUNCHED!

Open Data of Istanbul is made avaliable to citizens in smart city functional areas.

https://data.ibb.gov.tr























ENERGY

GOVERMANCE

MOBILITY

ECONOMY

SECURITY ENVIRONMENT LIVING

IMM OPEN DATA PORTAL data.ibb.gov.tr

Release Date: 18.01.2020

Between 18.01.2020 - (09.06.2020
Number of Unique Users connected	~213K
Total Reach	~11M
Total Data Transfer	~695 GB
Average Daily Request (Access)	~212K

CATEGORIES	DATA SET NUMBERS
EMERGENCY MANEGEMENT	4
	_
MOBILITY	55
ENVIRONMENT	25
ENERGY	10
LIVINO	4.0
LIVING	16
SECURITY	6
SECURIT	•
ECONOMY	3
ECONOMI	
PEOPLE	12
1 201 22	
GOVERNANCE	10

IMM OPEN DATA PORTAL

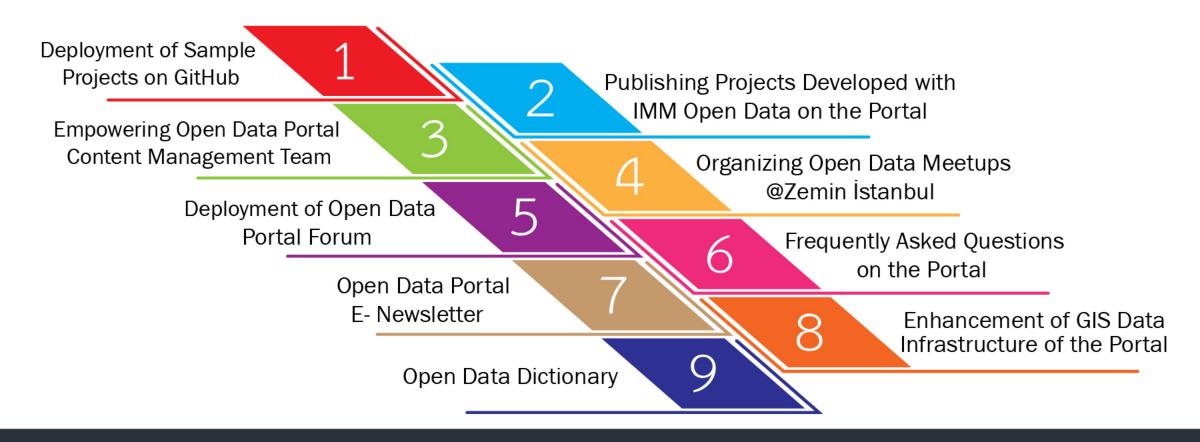
A total of **122** citizen requests were received between 18.01.2020 - 09.04.2020

CATEGORIES	REQUESTS DATA SET NUMBERS
BIT	7
ENVIRONMENT	19
ECONOMY	2
ENERGY	7
SECURITY	8
PEOPLE	14
MOBILITY	46
LIVING	12
GOVERNANCE	7
TOTAL	122



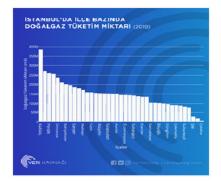
IMM OPEN DATA PORTAL 2020 TARGETS

of Datasets: ~ 250 # of Unique Users: ~ 500K





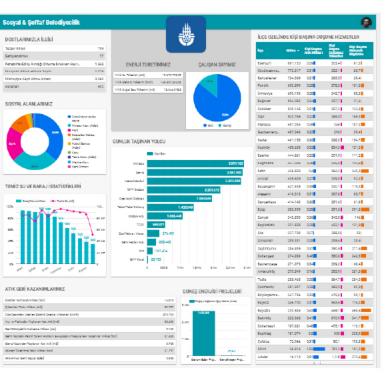
IMM OPEN DATA DEVELOPMENTS BY CITIZENS







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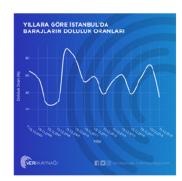


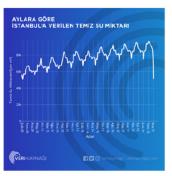
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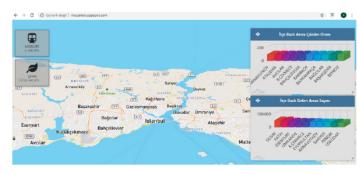
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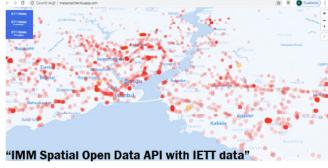
SAMPLE PROJECTS DEVELOPED USING IMM OPEN DATA







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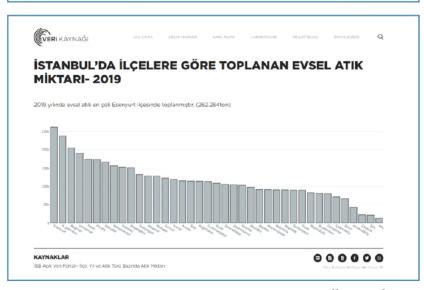
https://medium.com/



https://verikaynagi.com/



İSTANBUL'DA İLÇE BAZINDA DOĞALGAZ TÜKETİM **MİKTARI- 2019** İstanbul'da 2019 yılında en çok doğalgaz tüketimi 383milyon m3 ile Kadıköy ilçesinde gerçekleşmiştir

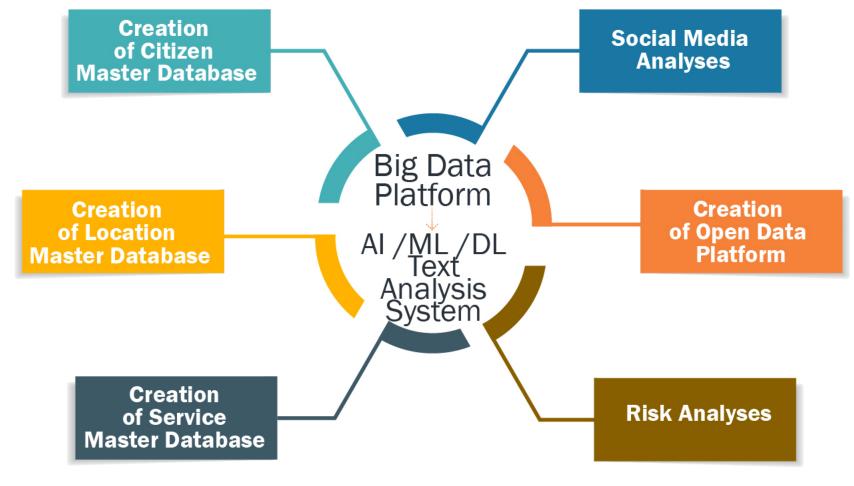


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BIG DATA PLATFORM



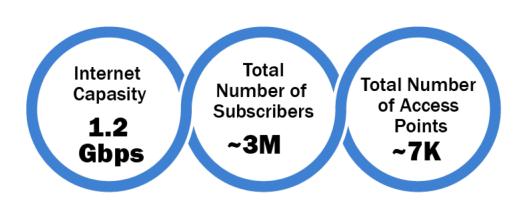




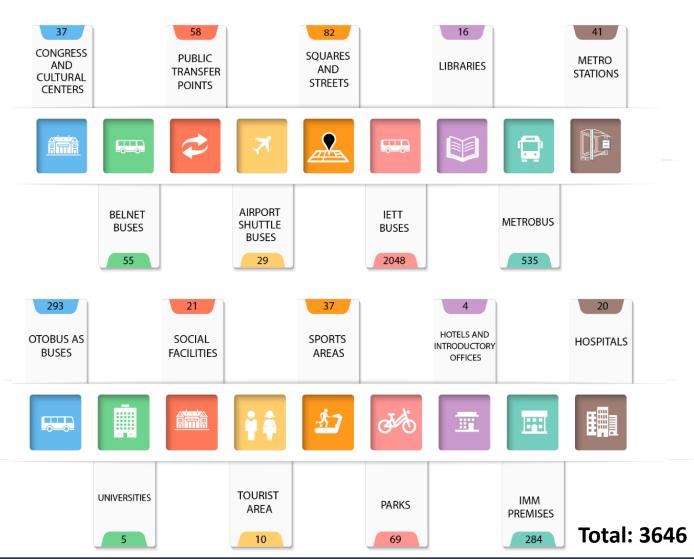
FREE CITY INTERNET - «İBB WI-Fİ»

"IBB Wi-Fi" is a free internet service provived by Istanbul Metropolitan Municipality.

The purpose of this service is to establish internet access points in the areas where the citizens are most dense and to expand the wireless communication network in Istanbul.



Infrastructure Information







CONSTRUCTION SERVICES

3D CITY MODEL



3D urban models are digital models where the details of the city such as vegetation, building, infrastructure, landscape and city furniture are displayed in coordinated form.

The 3D City Model Project is being developed in order to make analyzes such as road and transportation analysis, to make the promotion of historical and touristic places more effective, to use lidar data more effectively within IMM and to present it to both IMM and end users.



Building models with different levels of details

Creating city models with lidar data

Satellite image supply and analysis

360° measurable panoramic street image supply

Digitization of panoramic images

Combining 3D data

Making 3D data analysis and simulations (slope, aspect, wind, sunbathing, flood, etc.)

3D topographic map production

3D data generation using drones (mesh model, orthophoto, 3D building model etc.)

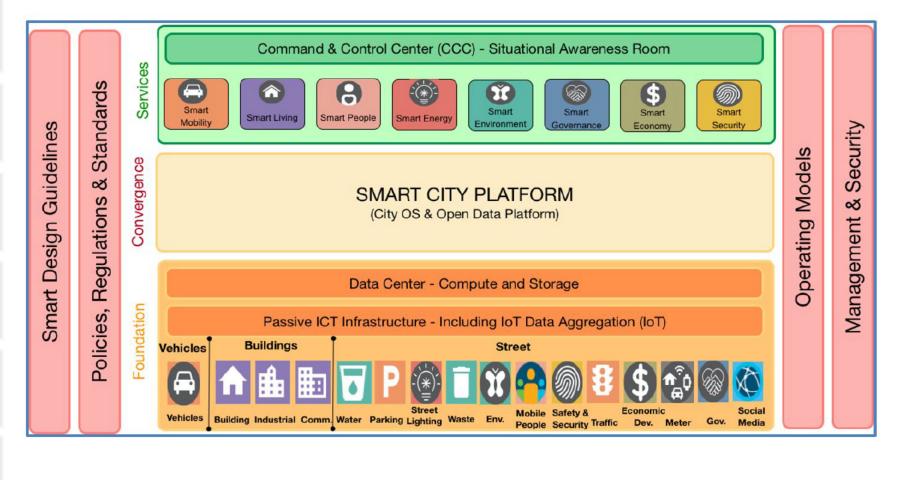






IOT PLATFORM





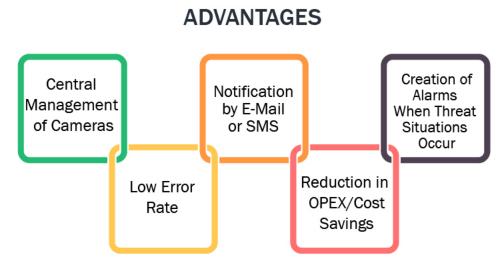


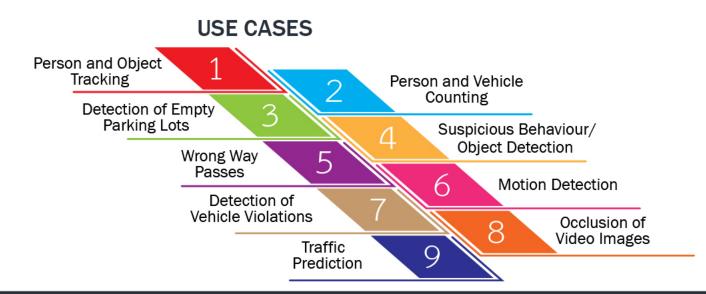


VIDEO ANALYTICS



- A signal processing system that digitally analyzes video images to detect and identify threats, suspicious events or real-time behavior.
- Video analytics solutions will be implemented based on pre-defined scenarious to take advantage of computer vision technologies.









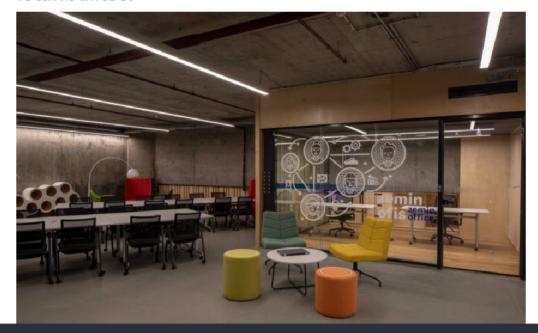
ZEMIN ISTANBUL

INFORMATION SERVICES



"Zemin Istanbul" is a center that provides business opportunities for creative entrepreneurs and small businesses and prepares our children for the future using technology.

By bringing together technology manufacturers, users and investors; it is aimed to develop innovative products for the needs of Istanbulites.





Zemin Istanbul has an Accelaration, Experience, Training and Activity Center covering transportation, energy, environment and social innovation areas.





AGILE SOLUTION



"Askıda Fatura" (Bill on the Hook) campaign

Aiming to provide support for people financially burdened by the coronavirus pandemic, the campaign was launched by Istanbul Mayor Ekrem İmamoğlu on Monday 4 May.

Through http://askidafatura.ibb.gov.tr the campaign anonymously matches people with outstanding utility bills with those willing to cover the cost of these bills out of an act of solidarity.





77,690



Adet Askıdan Alınan!

Adet Askıda Bekleyen!

Toplam Ödenen TL

İstanbul Büyükşehir Belediyesi Bilgi İşlem Daire Başkanlığı tarafından 💛 ile tasarlanmıştır. © 2020

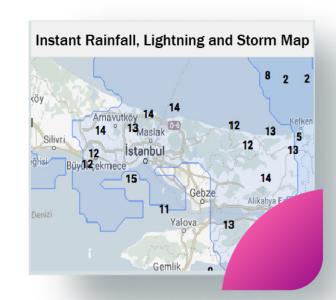




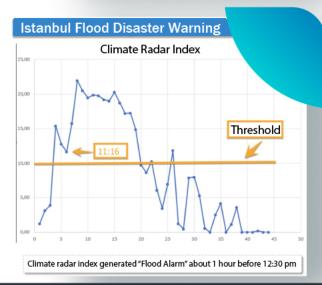


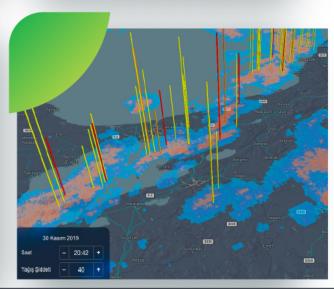
WEATHER DISASTER EARLY WARNING SYSTEM

 Turkey's first private Severe Weather Conditions Detection and Warning System was established in cooperation with Disaster Coordination Center (AKOM) in Istanbul.







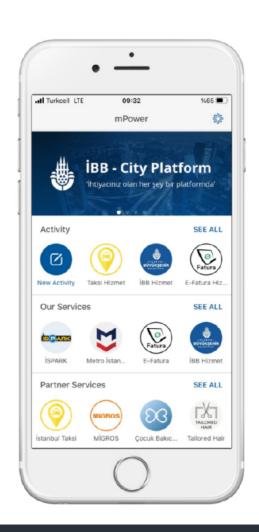


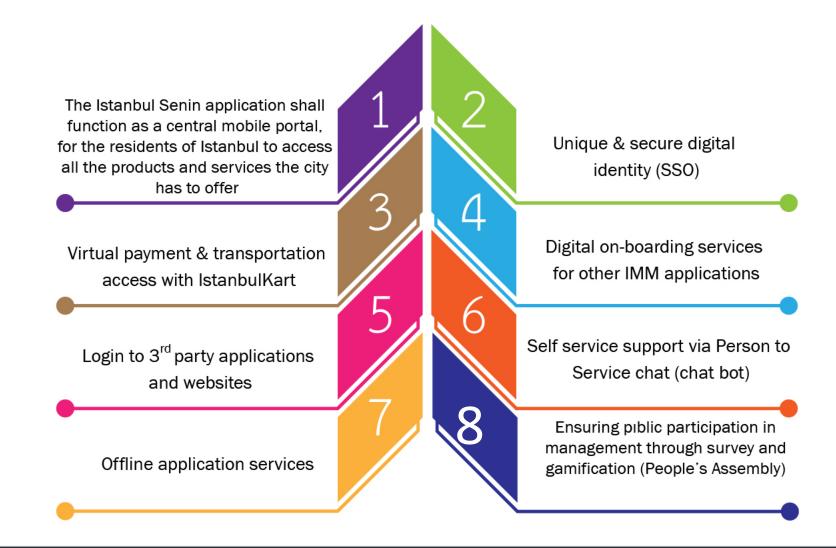






"ISTANBUL SENIN" MOBILE APPLICATION











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