

Utilization of National and European programs in the City of Egaleo

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City of Egaleo

Municipality of Egaleo Profile

- > The City of Egaleo is situated at the west region of Athens
- > Is one of the oldest municipalities in Greece
- > City of Egaleo has been built at both sides of the ancient road "Iera Odos"
- The city is inhabited by 64.828 people (Census 2021)
- > Employees: 600 people
- > Area: 6,45 km²
- Economical budget: 75m Euros
- One university (<u>www.uniwa.gr</u>)
- > Three metro stations
- Urban city
- "Elaionas" region













Municipality of Egaleo European Projects

Horizon 2020 / 5G ESSENCE



➤ Horizon 2020 / 5GENESIS



➤ Horizon 2020 / 5G!Drones



Horizon 2020 / RESPOND-A



Erasmus+ / Q-SER



➤ Horizon 2020 / TransformAr



Horizon / C2IMPRESS



Erasmus+ / UAMschool4cities



Erasmus+ / Urban Youth Garden

Over 1M Euros projects <u>under implementation</u>

<u>Under evaluation</u> 24 proposals

2017 - ongoing



Transformation of the City Of Egaleo in a smart city

Main categories of interventions:

Smart Infrastructure

Smart Economy

Smart Living









Με τη συγχρηματοδότηση της Ελλάδας και της Ευρωπαϊκής Ένωσης

Pilot applications of Smart City in the Municipality of Egaleo (Budget: 432.691,80 €)



Smart Square, SECAP, SUMP, GIS (Total Budget: 200.000,00 €)



EUROPEAN COMMISSION

European Climate, Infrastructure and Environment Executive Agency



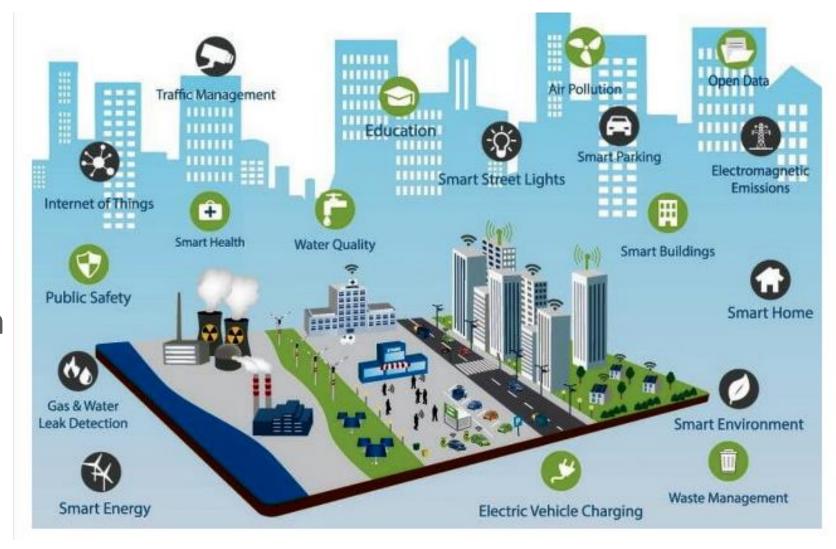
TransformAr (Budget: 425.000,00 €)



Smart Infrastructure

IoT infrastructure

- Lighting
- > Air quality
- Noise levels
- Waste management
- Energy consumption
- Water management
- > Fleet monitoring



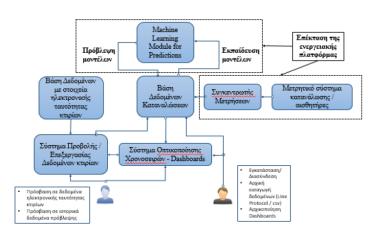


Smart Economy

Upgrading and managing the urban environment

- > Infrastructure status monitoring
- Automated procedures
- > Interfacing with the local community
- Air and water quality monitoring
- Energy power consumption management
- Measurement of meteorological parameters
- Waste management







Smart Economy

Digitizing cultural heritage records

- Digitization of cultural heritage material
- Managing the digital cultural stock of the city
- "Digital Library" for the historical archive and the municipal library

Integrated destination management system

> City of Egaleo to be a tourist, cultural and business destination with

services for visitors









29 November 2022, Athens

Smart Living

Intelligent electronic platform for smart and friendly open governance and smart city guidance

- Platform for enhancing the communication of the municipality and citizens
- Integration of e-services for citizens at a single point
- Developing applications for:
 - Everyday life
 - Electronic payments
 - Personalized notification via smart alerts





Smart Living

Large-scale urban data management

- > Platform for processing, analyzing and distributing large-scale urban data
- Digital tools for extracting conclusions and decision-making systems with different criteria (economic, social, energy, etc.)

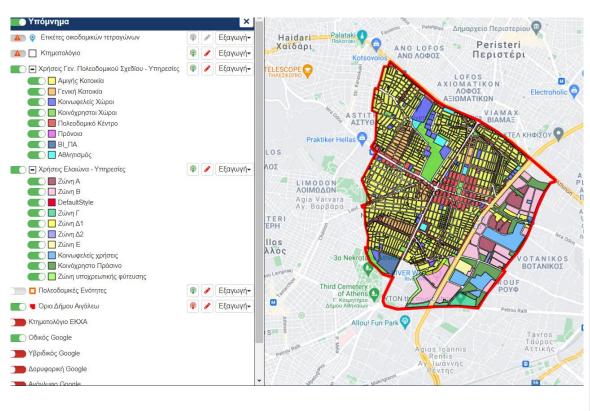
Smart city Coordination Center (CC) and Command & Control Center (CCC)

- Development of a smart city Coordination Center (CC)
- Development of a Command & Control Center (CCC)





Implementation of Smart City Applications in the city of Egaleo https://aigaleo.mygis.gr/







Implementation of Smart City Applications in the city of Egaleo https://eservices.aigaleo.gr/

























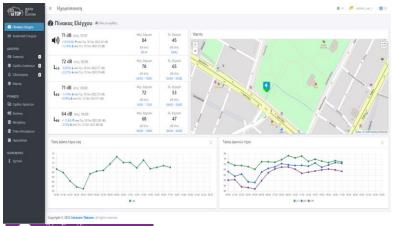


Implementation of Smart City Applications in the city of Egaleo https://smartsquare.aigaleo.gr/

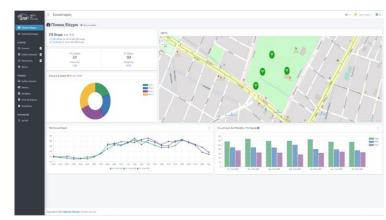




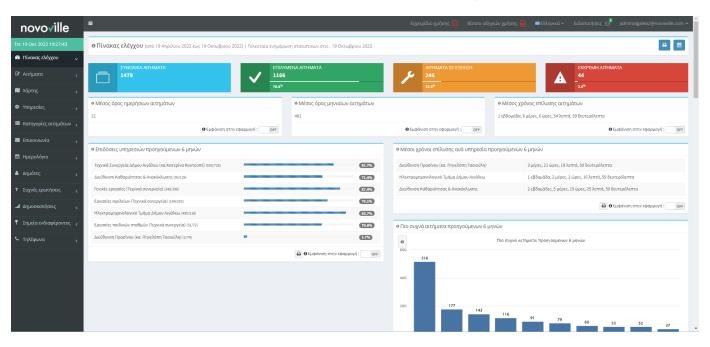








Implementation of Smart City Applications in the city of Egaleo https://novoville.com/el/

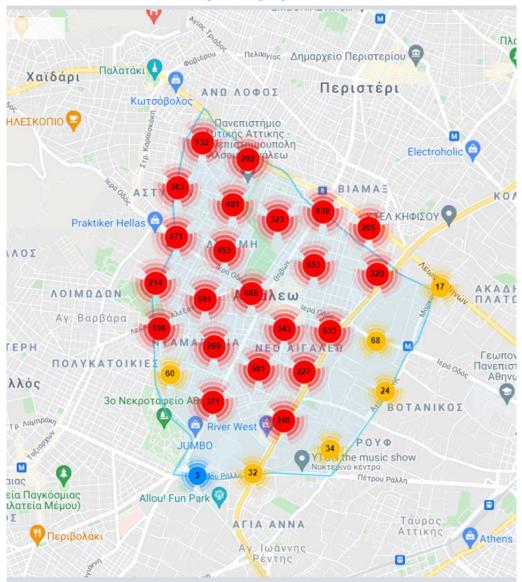


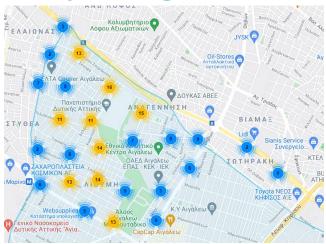


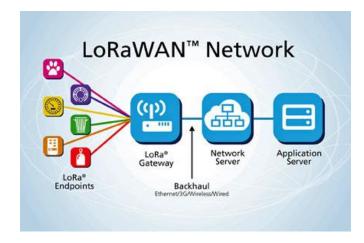


Existing network data		
Туре	Power (W)	Number
Hg	125	4423
Na	70	318
Na	150	574
Na	400	159
HQI	150	77
HQI	250	191
LED	18	417
LED	24	149
LED	28	676
LED	30	16
LED	35	15
LED	40	16
LED	50	58
LED	60	327
LED	69	347
LED	100	80
LED	125	230
LED	137	4
LED	150	3
MH	100	555
PL	42	112
Total		8747

Total power: 960 kW











ΙΟΥΛΙΟΣ 2021





ABEC - Athens Business Engineering Consultants | Σύμβουλοι Μηχανικοί





ΤΟΠΙΚΟ ΣΧΕΔΙΟ ΔΙΑΧΕΙΡΙΣΗΣ ΣΤΕΡΕΩΝ ΑΠΟΒΛΗΤΩΝ ΔΗΜΟΥ ΑΙΓΑΛΕΩ

Σεπτέμβριος 2021

Στο πλαίσιο της πράξης με τίπλο «Επικαιροποίηση τοπικού σχεδίου διαχείρισης στερεών αποβλήτων Δήμου Αιγάλεω», με κωδικό ΟΠΣ 5055395 στο Επιχειρησιακό Πρόγραμμα «Αιτική 2014-2020»









ΠΑΡΟΧΗ ΥΠΗΡΕΣΙΩΝ ΣΥΜΒΟΥΛΟΥ ΓΙΑ ΤΗ ΣΥΝΤΑΞΗ ΣΧΕΔΙΟΥ ΒΙΩΣΙΜΗΣ ΑΣΤΙΚΗΣ ΚΙΝΗΤΙΚΟΤΗΤΑΣ ΔΗΜΟΥ ΑΙΓΑΛΕΩ

ΠΑΡΑΔΟΤΈΟ 5 – ΣΤΑΔΙΟ 5 – ΥΠΟΒΟΛΗ ΚΑΙ ΚΑΤΑΡΤΙΣΗ ΣΧΕΔΙΟΥ ΔΡΑΣΗΣ

ΙΟΥΝΙΟΣ 2022

Diadikasia Business Consulting SA

DBC diadikasia





City Guide Digital Governance Recreation & Culture Headline

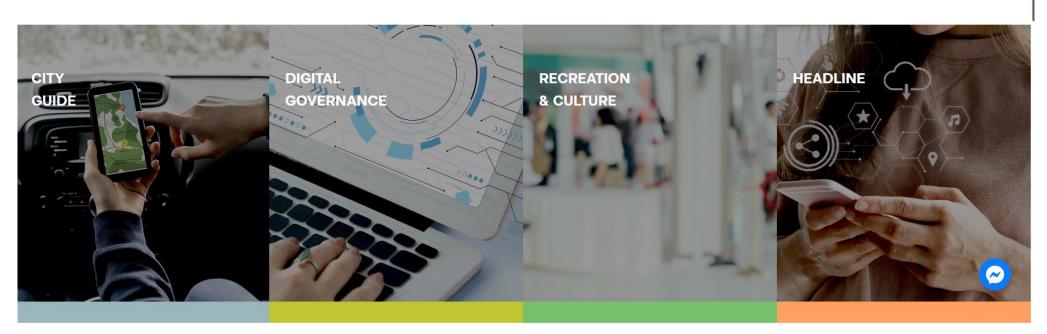








Με τη συγχρηματοδότηση της Ελλάδας και της Ευρωπαικής Ένωσης









Egaleo Smart City platform

- City guide maps (digital guide, recreation and walks, Egaleo MyGIS)
- Digital governance (consultations with citizens, citizens' requests, digital certificates, repository of municipality's surveys)
- Recreation and culture (virtual tour in municipal grove, Asia Minor culture, digital guest book, games and contests, voluntary actions, municipal library)
- Business Intelligence (BI) platform (A decision support platform with a continuous improvement of the services of the Municipality of Egaleo. This platform includes tools, techniques, and technologies for the analysis of all the city's data and the extraction of useful knowledge that will be used in the process of making business and strategic decisions, in a historical, current and forecast context)
- Interface subsystem and other user applications (The interface subsystem and other user applications cover the user's communication and interaction points with the City platform. These include: the interface of smart mobile devices, the ChatBot interface and social network interfaces)

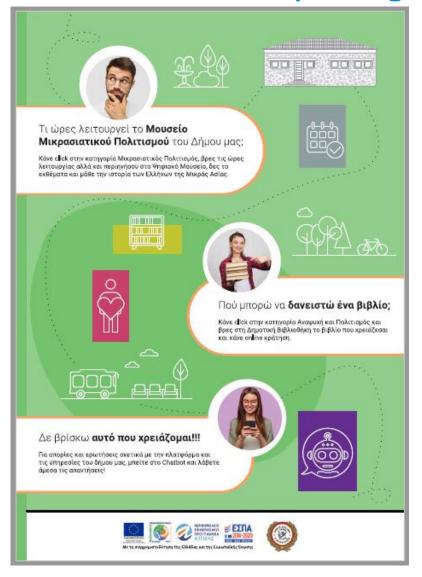




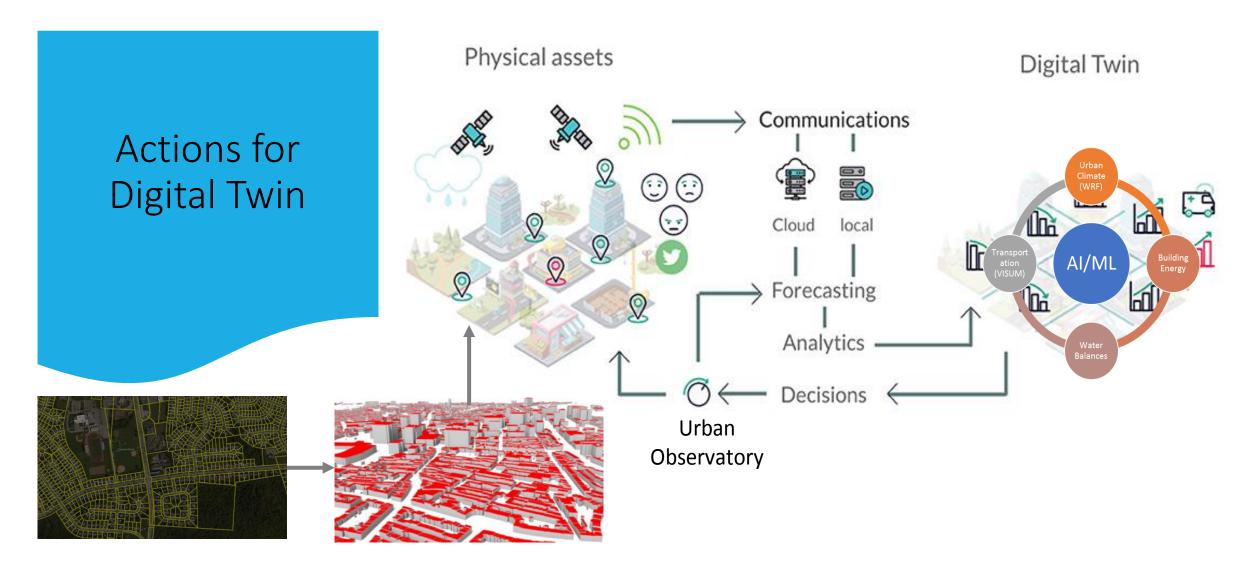
smartiscity αιγάλεω













a) *IoT sensors* placed in EGL (climate, energy consumption, CO2 levels, transportation, water volumes), covering infrastructures, economic sectors and quality of life for citizens.

b) *E.O. data* (Land cover, urban heat, CO2-air pollution levels, vegetation growth, etc.).

c) **Socio-economic data** collected from EUROSTAT and the Hellenic Statistical Service, local studies.

d) Citizen collected data (through workshops, questionnaires, electronic surveys).

e) **Urban observatory** where all collected data will be processed and transformed into suitable (spatio-temporal) indicators accurately depicting the climate/energy/carbon/social attributes and diagnostics.



Planning

Feasibility study

Pilot

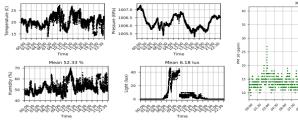
Operational

Up scale

Hybrid system:

- 6 commercial microclimatic stations
- 5-10 custom environmental stations

Measurement example



Smart Climate Stations (SCS)

Climatic variables

- Temperature
- Relative Humidity
- Atmospheric Pressure
- CO₂ (ppm)
- PM 2.5 /10 (ppm)
- Wind speed
- Rainfall

Potential locations





Municipal Command-and-Control Centre (CCC) in Egaleo







Entrepreneurship hub in Egaleo, #hub.egaleo.gr













hub.egaleo.gr









Thank you!

www.aigaleo.gr

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