

What is #AlbaluliaSmartCity?

- first smart city pilot project in Romania (launched in 2016);
- unique in RO, implemented by Alba Iulia Municipality in partnership with the Ministry of Communications and Information Society and private companies;
- focused on community: to convert modern technologies in order to improove the quality of life;
- focused on business environment: transforming the city to become more friendly with business environment | start-up launchpad;
- purpose: increasing economic efficiency, costs reduction, improoving quality of life - a more livable city.



100 smart solutions

45 private companies involved

50% functional projects

e-Governance&digitalisation of public services

Ready to launch first **open data** platform in Romania







































Experts in lightability™





























jobs



















Administration

- Smart city business case by Siemens
- Public procurement solution
- Online complaints app
- Budget analysis solution
- Budget incoms app
- Public barometer app
- Online wedding programming web app
- Apartments administration solution
- Digital signature







Education

- Hyper Webinar
- HyperEdu,
 HyperTraining, Course
 Authoring Tool &
 HyperBook
- Edu for all
- Digital classroom (2 schools)
- Digital catalog (18 schools)
- Free access to secured online librairies
- Free secured Wi-Fi in two main colleges in Alba Iulia
- Moodle platform





e-Health

- Hyper Med medical collaborative platform
- Blood donation platform + app
- Pediatric Call Center
- Posture and mobility sensors for students (testing all the students is the fifth grade in Alba Iulia)
- Cardiac Age Testing
- Pulmonary Age Testing
- Educational Health Campaigns



alba iulia smart city





Energy & Environment

- Charging station with solar panel
- Energy management logistics
- 4 Public lighting solutions (1 with LoRaWAN)
- Mobile solution on 15 busses to measure air quality in Alba Iulia
- Termodynamic solar
 system for water heating (testing the system in one nursery in Alba Iulia)
- RADON gas monitoring in 3 buildings
- Smart garden system



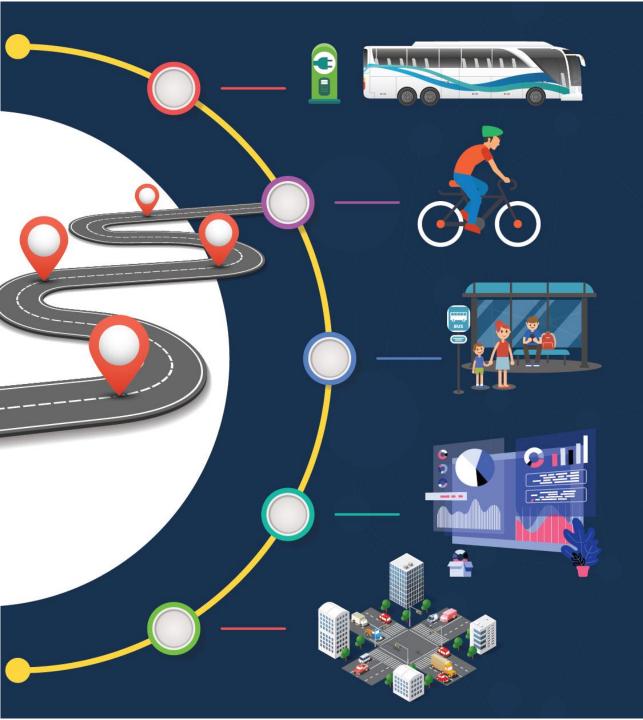


Tourism

- Wi-fi Hotspots
- Virtual guide for a museum in Alba Iulia
 (having the face of a roman emperor)
- Virtual guide in Alba Iulia e-Albalulia app (Bluetooth+Beacons)
- 2 Guided tours and treasure hunt apps (discovering authentic places and stories in the city)
- City Analytics platform (to monitor incoming visitors)
- Virtual tour in #AlbaCarolinaCitadel
- 3D scanning of the city
- QR codes on 64 monuments
- Handwritten digital to physical printed Postal Cards app







EU funds

Post Pilot Mobility

20 km

road infrastructure length 54

bus station

26 km

bicycle lanes

36 km

pedestrian areas

29 km

dedicated bus lanes

540

smart bikes (sharing stations)

13

electric busses

31

charging stations

900

trees&vegetation

4,5% CO2

emissions reduction

milion Euro mobility projects

Post Pilot Mobility







quick charging stations



slow charging stations



normal&quick charging stations



9,3 mil. €

4114
LEDS

2753

new pols

232

photovoltaic panels

132 km

smart lighting system

50%

consumption decrease

50%

CO2 decrease

milion Euro

200 streets

In cloud monitoring sensors

Smart pedestrian crossings presence sensors

EU funds

Post Pilot Mobility

Intelligent administration

Alba Iulia - Digital public administration

- electronic platform for digital services
- smartphone app
- digital workflows and processes within the town hall
- electronic identitity for citizens
- electronic permits
- direct communication with the citizens from the platform

Alba Iulia Mun. - Intelligent administration

- SUMP development for 2021-2030
- Smart City strategy elaboration
- Participatory budgeting platform (online and offline)
- Public barometer



Other smart projects

- Children`s Museum
- Nursery new smart building in Ampoi II neighborhood
- Remotely Building System Management
- Energy efficiency rehabilitation of residential buildings
- Intelligent energetic system within Elderly Day Center
- Energy efficiency system within "Liceul Sportiv"
- Thermal rehabilitation "Alexandru Domşa" High School
- 400 beacons all over the city to communicate with citizens
- Digital catalog in 2 main colleges in Alba Iulia
- 5G Victory project
- Smart living hub Digital literacy & Learn to Code,
 Google grant within Digital Nation Program



































Interreg Euro









