



Ministry of Foreign Affairs

# *Background information on Smart City initiatives in Croatia*

*Commissioned by the Netherlands Enterprise Agency*

*>> Sustainable. Agricultural. Innovative.  
International.*

## Background information on Smart City initiatives in Croatia.

### Overall:

- More than 40 out of a total of 128 cities in Croatia use smart solutions.
- EU smart infrastructure funds, such as for smart lighting, cover up between 40 and 100% of the amount of investment needed to realize such projects. Therefore, it is important for cities to get acquainted with the conditions of availability and the prerequisites needed to use EU funds to maximize their benefits and to reduce their own investments to a minimum.
- One of the major challenges is separating initiatives of city administration. Offices must be mutually related. Their efforts must be linked to the full potential of "Internet of Things" and create synergy. This includes the participation of citizens. It is necessary to use open platforms and open standards. Looking from the technological perspective, cities need an open, adaptable, horizontal and expandable IP-based architecture ("Internet Protocol")
- Read more on the Smart City Sector of Croatia [here](#).

### Smart City Zagreb:

- Zagreb is trying to encourage the growth of start-ups and encourage smart city solutions in specific areas. For example last year they ran a [Startup Factory](#) competition that was focused on smart city solutions for the tourism industry. More can be found [here](#).
- Citizens can give, comment and evaluate the ideas that City and Zagreb Holding will consider for realization. This ensures the transparency, efficiency and effectiveness of the City Administration and the Zagreb Holding Company in the service of citizens.
- There are multiple active programs with the use of making Zagreb 'Smarter' an example is the I-scope programme which is an interactive platform in which mobility for less mobile persons (elderly or fiscally challenged) is enhanced through personal guidance of the route of movement, energy consumption is optimized and nuisance by noise is monitored. More [here](#).
- More on Smart City Zagreb [here](#).

### Project Smart City Dubrovnik:

- Dubrovnik is the first innovation, testing, development and sales Smart City Centre of the Croatian Telecom. This facilitates citizens, tourists, energy sufficiency and traffic safety.
- Modern magnetic parking sensors in 30 parking spaces monitor the availability of space. This is linked to an app so users can see where to park.
- Security in the city is enhanced due to a multisensory video monitors which record traffic violations, excessive speed, overcrowding, unauthorized use of the left traffic lanes and inappropriate parking.
- The project provides free city WIFI.
- The project includes a system of remote controlled public city lighting management and regulation of lighting intensity and consumption of public lighting depending on movement.
- sensors will be installed that will monitor the air quality and other parameters that affect the environment.
- More on Smart City Dubrovnik [here](#). Pilot programs in Dubrovnik [here](#).

### Smart city Split:

- The Smart Parking App of the city of Split monitors free parking spaces and helps drivers navigate towards these spaces. The app also redirects traffic as to avoid traffic jams in the city centre. This app was recently praised at the 'intertraffic' conference in Amsterdam. More [here](#).
- The city provides free WIFI to its residents and visitors on public beaches, in busses and on other public places.
- Split hosts the SplitTech conference for the third time this June. This is an international conference on Smart and Sustainable Technologies. More [here](#).

**Challenges to the Smart City Sector in Croatia (according to the [Belgian Report](#)).**

- Lack of coordination for the planned implementation of ICT projects.
- Lack of legal regulations and guide lines.
- Lack of local companies and professionals for the implementation of ICT projects.
- Lack of innovative forms of governing.
- Unfamiliarity of the local community on modern technical capabilities and low involvement of the local community.
- Lack of funding.

Compiled by Marteen Dinkelberg, INTERN, April 2018



This is a publication of  
Netherlands Enterprise Agency  
Prinses Beatrixlaan 2  
PO Box 93144 | 2509 AC The Hague  
T +31 (0) 88 042 42 42  
E klantcontact@rvo.nl  
www.rvo.nl

This publication was commissioned by the ministry of Foreign Affairs

© Netherlands Enterprise Agency | July 2018  
Publication number: RVO-145-1801/RP-INT

NL Enterprise Agency is a department of the Dutch ministry of Economic Affairs and Climate Policy that implements government policy for Agricultural, sustainability, innovation, and international business and cooperation. NL Enterprise Agency is the contact point for businesses, educational institutions and government bodies for information and advice, financing, networking and regulatory matters.

Netherlands Enterprise Agency is part of the ministry of Economic Affairs and Climate Policy.