

INTERREG MED Programme

2014-2020

ESMARTCITY

Enabling Smarter City in the MED Area through Networking

(3MED17_1.1_M2_022)

Priority Axis 1. Promoting Mediterranean innovation capacities to develop smart and sustainable growth

Specific Objective 1.1 To increase transnational activity of innovative clusters and networks of key sectors of the MED area

WP3 – Testing

Activity 3.3 – Pilot Testing

Deliverable 3.3.2 – Pilot Capacity Building – Partner PP3

Contractual Delivery Date: **21.08.2019**

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Dissemination Level		
PU	Public	X
PP	Restricted to Programme Partners and MED Programme	
RE	Restricted to a Group defined by the Partnership and MED Programme	
CO	Confidential, only for members of the partnership and MED Programme	

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1. Introduction

WP3 aims at testing Smart City concepts in the partner areas. Testing challenges are twofold: (i) to increase the level of innovation in MED cities by enriching city infrastructure via smart devices, embedded systems and sensors/actuators, seamlessly integrated and interoperable, and deploying on top of them novel applications / services increasing the level of well-being of the citizens, and (ii) to enhance the innovation potential of SMEs in the partner areas through Capacity Building interventions targeting the transfer of knowledge towards them and enrolling them into experimentation and co-creation activities, empowering their deployment of innovative applications / services on top of city infrastructures.

Activity 3.3 is dedicated to Pilot Testing. It takes into account preparatory work done in Activity 3.2 and more specifically Feasibility Study, Methodology for Testing and Pilot Deployment Operational Plan Framework, in order to allow a multi-national multiple site pilot testing under a common methodological framework.

Activity 3.3 comprises two distinct deliverables: D.3.3.1 on Pilot Testing related to the transnational pilot deployment in the partner territories driven by the Pilot Deployment Operational Plan framework, and D.3.3.2 on Pilot Capacity Building offering Capacity Building services towards SMEs of the project networked community associated with the Smart City concept in general and the individual pilot deployments in particular.

Objectives of the event and expected results

The main objective of the capacity building is the utilization of the quite innovative pilot deployment “Smart Street lighting in East Ilidza” as test beds for deployment by the SMEs of new applications/services. It is envisaged that both clustered SMEs and innovative SMEs networked by the project will be enhanced through relevant capacity building. Capacity building is offered in the framework of testing, relevant to the pilot activities and the resulting pilot case. In this context innovation potential of SMEs is enhanced, assisting the overall MED area innovation enhancement.

Target of the event

Clustered SME's in the ICT and Smart Street Lighting area are a target group of the project. The participants attending the one-day local capacity building workshop were composed by representatives of 11 innovative SMEs, members of the networked Smart City community in the framework of the project .

Methodology to reach objectives

In order to achieve the objective, capacity building workshop was conceived to:

- Share lessons learnt and acquired knowledge by pilot
- Discuss technologies/state of the art or even general problematic faced by the smart city market (open data, IoT, data analytics but also access to tenders and EC policies)
- Obtain feedback from the participant SMEs
- Reference them in ESMARTCITY network.

The capacity building workshop is held at the premises of the Administrative Center of the City of East Sarajevo on July 22 2019, from 13:00 to 16:00. The detailed schedule of the capacity building workshop has been appended in **Annex 1**.

The list of participants attending the one-day local capacity building workshop was composed by representatives of 11 innovative SMEs, members of the networked Smart City community in the framework of the project and has been appended in **Annex 2**.

As preliminary action Questionnaires templates are sent to SME's interested in participating to the event in order to collect data and allow discussions on the event day and has been appended in **Annex 3**.

2. Content of the capacity building workshop

Pilot Capacity Building (CB) relevant to the Smart City concepts and the deployed Pilot has been developed and provided taking in account lessons learnt and acquired knowledge. CB has been offered towards innovative SMEs of the project networked community. The event is organized in local language in order to be more accessible for SMEs.

Target Group addressed: innovative SMEs of the networked community

Pilot Capacity building – the one day event has been composed of 2 parts.

First part dedicated to presentations:

- Common ESMARTCITY project introduction
- Customized project local pilot (technology used, faced issues, lessons learnt and acquired knowledge) and
- Brief introduction to Smart Public Lighting.

Second part dedicated to:

- Discuss and collect SME feedbacks
- Evaluate their level of readiness in design and supply new applications and services.

Methodology used:

The workshop focused on applied and practical methods by using the following concepts:

- Brainstorming regards the role of SME's in the process of building Smart Cities.
- Presenting the subjects by involving the participants in discussion and encouraging dialogue.

The City Development Agency East Sarajevo (RAIS) welcomed representatives of innovative SME's for one day capacity building workshop on 22nd July. After registration of all participants the workshop had begun with the presence of Mladenka Pandurević, director of RAIS who welcomed the participants, followed by the ESMARTCITY project coordinator, Adrijana Rac who has done a short presentation of the ESMARTCITY project.

More precisely, the presentation covered the following topics:

- ✓ Project Objective
- ✓ Improvement of the innovation capacities of the Mediterranean cities.
- ✓ Problem Statement
- ✓ Quadruple Helix

- ✓ Smart City Application Areas
- ✓ ESMARTCITY Approach
- ✓ ESMARTCITY Results
- ✓ Pilot Demonstration
- ✓ SME Change
- ✓ Policy Change.

After this presentation, external expert presented brief introduction to Smart Public Lighting and Local pilot demonstration.

The main parts of presentation were:

- ✓ Local Pilot Demonstration - location: Dabrobosanska Street, East Ilidza Municipality, East Sarajevo City
- ✓ Aims: energy savings, money saving, improving the quality of life, platform for creative design, innovations, entrepreneurship
- ✓ Goals: change the Ecosystem Landscape, Launch the Process of Digital Transformation, Data as a Center of Future Business
- ✓ Do we really need Smart Cities?
- ✓ UN Sustainable Development Goals Agenda 2030
- ✓ EU DIGITAL AGENDA 2020
- ✓ Smart Cities: Definition
- ✓ Industry 4.0 – Information Age
- ✓ Society 5.0 - Road to Smart Society

Upon presentation, it was discussed the technology used and stressed the relevance of the Open data and complementary between SME's, engineering, science and public authorities. It was also discussed about how to involve SME's in design and supply of new applications and services.

Finally, level of readiness of SME's in design and supply new applications and services was evaluated.

The key findings and conclusions are as follows:

- SME's are interested in developing their business model in a innovative direction and ready to design and supply new applications in order to upgrade platform established through pilot project;
- Local SME's can create lots of innovative solutions to manage a city's infrastructure;

- At this stage, Smart City initiatives would probably push SME's towards this "new state of mind";
- The SME's that can offer innovative technology solutions often do not have the resources to properly develop their projects;
- The deployment of the Smart City ecosystem is an economic opportunity for SME's in East Sarajevo and Sarajevo, they have to think about creating a digital offer adapted to the new needs of the Smart City;
- The local authorities will have to open up the data generated to the public so that SME's could create innovative solutions.



3. Selected photographs from the capacity building workshop

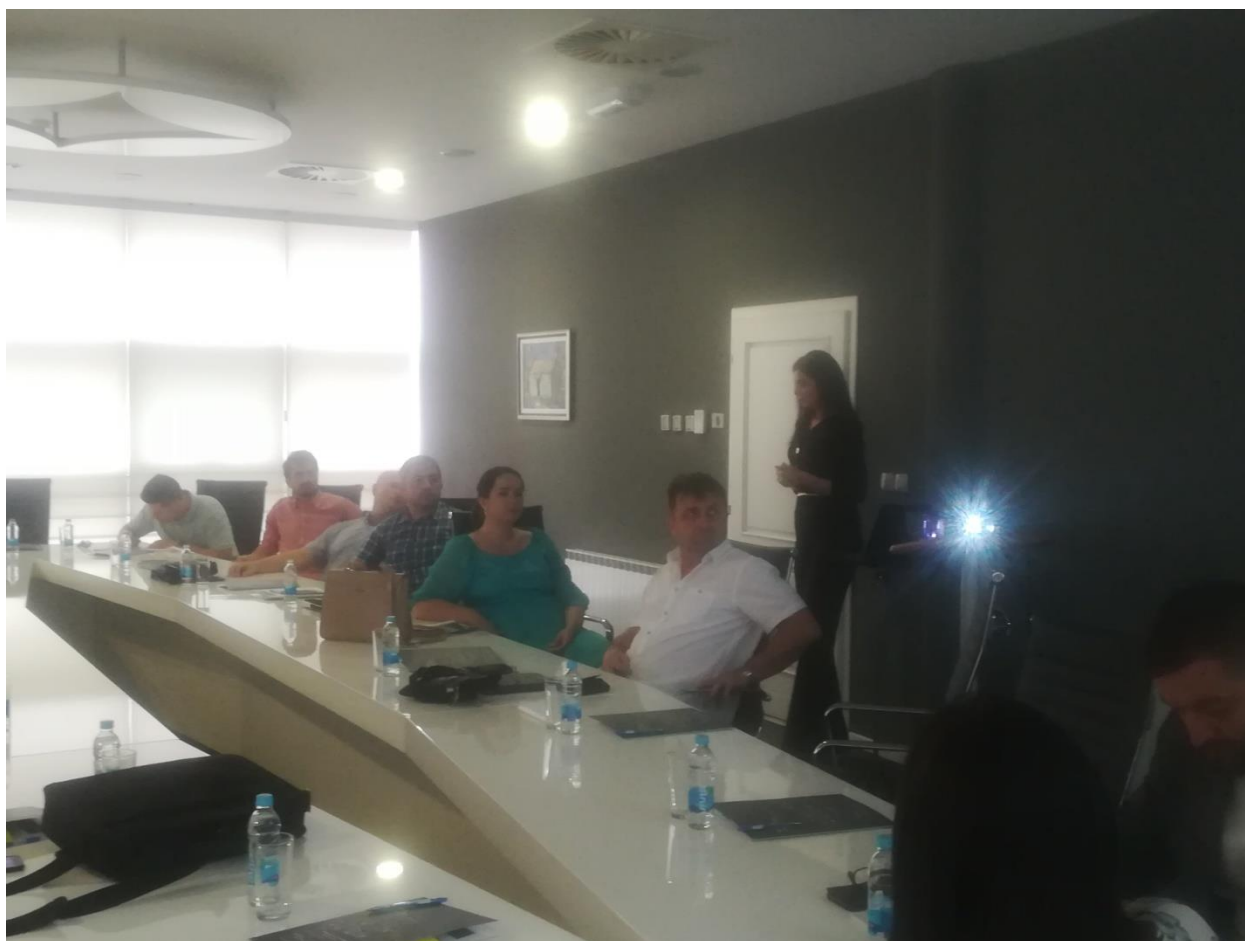


Figure 1: Presentation of ESMARTCITY project



Figure 2: Presentation of local pilot deployment



Figure 3: Participants engagement - discussion

4. Publicity

The event received publicity in digital media.

4.1. Digital Media

Publicity in digital media related to the Capacity building workshop include the following:

<https://esmartcity.interreg-med.eu/news-events/events/detail/actualites/capacity-building-smart-lighting-in-a-smart-city/>

<https://esmartcity.interreg-med.eu/news-events/news/detail/actualites/capacity-building-in-east-sarajevo/>

<https://rais.rs.ba/esmartcity-radionica-jacanje-kapaciteta/>

<https://rais.rs.ba/jacanje-kapaciteta-it-i-ikt/>

<http://gradistocnosarajevo.net/istocno-sarajevo/podstaci-aktivnosti-informacionog-sektora-u-razvijanju-koncepta-pametni-grad/>

4.2. Social Media

Publicity in social media includes the following:

<https://www.facebook.com/Esmartcity.MED/posts/2446320002279371>

<https://www.facebook.com/events/2394110434245809/>

<https://www.facebook.com/rais.rs.ba/posts/2325197754402151>

<https://www.facebook.com/rais.rs.ba/posts/2321353908119869>

<http://gradistocnosarajevo.net/istocno-sarajevo/podstaci-aktivnosti-informacionog-sektora-u-razvijanju-koncepta-pametni-grad/> /

5. Annex 1 – Agenda

Enabling Smarter City

In the MED Area through Networking



“Smart Lighting” pilot Capacity Building workshop

Organized in the framework of the ESMARTCITY project, funded by the Interreg Med Programme

July, 22, 2019 in East Sarajevo (Bosnia and Herzegovina)

The ESMARTCITY project aims to improve the innovation capacity of MED actors of the Smart City Concept in urban areas. To achieve this goal, pilot deployments on smart and energy efficient buildings are deployed in order to help creating the missing public authority / end user pull for Smart City concept. The global objective is to allow better services for European citizens with less impact on the environment and policy change recommendations to Public Authorities in the MED area.

City Development Agency East Sarajevo invites you to the 1st capacity building workshop of the ESMARTCITY project

to share learnt lessons and acquired knowledge on “smart street lighting” pilots.
This event aims at identifying solutions to overcome potential constraints
and hurdles of the smart city concept.

Come and share your experience, know-how and !

- 13:00 General presentation of Esmartcity
- 14:30 Pilot cases : Challenges faced in the Med area
- 15:30 Discussions / Pitches
- 16:00 Conclusions



6. Annex 2 – List of participants





ESMARTCITY "Smart Lighting" pilot Capacity Building workshop, East Sarajevo, 22nd July 2019

Attendance list

No.	SMEs/Company	Name and last name of representative	Contact (phone, e-mail)	Signature
1.	MANEDRA COMPANY	ELMEDIN OSMANOVIC	e-mail: elmedin.osmanovic@manedra.com phone: 063/390-690	
2.	BSMART d.o.o.	ALMIN HASPUNIC	e-mail: info@bsmart.ba phone: 062/359-758	
3.	IBUSINESS d.o.o.	Savo Šilji	e-mail: info@ibusiness.ba phone: 062/537-973	
4.	ITESCO d.o.o.	ALEKSIJADAR CINCAR	e-mail: cinCARCO@gmail.com phone: 066 969 225	
5.	KOMPEKS informatičke i tehničke usluge, s.p.	Danijel Ruzić	e-mail: info@kompeks.net phone: 065/016-579	




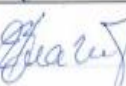

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ESMARTCITY "Smart Lighting" pilot Capacity Building workshop, East Sarajevo, 22nd July 2019

Attendance list

No.	SMEs/Company	Name and last name of representative	Contact (phone, e-mail)	Signature
6.	SATWORC	DRAGAN JAKIĆ	e-mail: DRAGAN.JAKIC@GMAIL.COM phone: 065/364-005	
7.	"ITIS" D.O.O. SARAJEVO	VLADIMIR RILL	e-mail: VLADIMIR@ITIS.BA phone: +387 65 702 256	
8.	2AM	NIKOLA RADONIC	e-mail: DZONAR@GMAIL.COM phone: 065-675-577	
9.	AMA	DRAGAN VLAČIĆ	e-mail: dragan.vlacic@gmail.com phone: 065-396-691	
10.	Page d.o.o.	Ogijen Sarovina	e-mail: ogijen@page.ba phone: +387 65 934 832	

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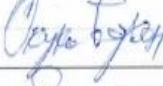



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ESMARTCITY "Smart Lighting" pilot Capacity Building workshop, East Sarajevo, 22nd July 2019

Attendance list

No.	SMEs/Company	Name and last name of representative	Contact (phone, e-mail)	Signature
11.	LANACO Doo	Merima Peckovic	e-mail: merima.peckovic@lanaco.com phone: 061 717 738	
12.	Lanaco dco	Mladen Vuksan	e-mail: mladen.vuksan@lanaco.com phone: 065/255-592	
13.	Adrijana Rac	RAIS	e-mail: adrijana_rac@rais.rs.ba phone: 057/342-636	
14.	BOJAN OKUFA	RAIS	e-mail: bojan.okufa@rais.rs.ba phone: +387 67 215 369	
15.	MURIELKA PANDUREVIC	RAIS	e-mail: director@rais.rs.ba phone: +387 67 088 223	

3




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ESMARTCITY "Smart Lighting" pilot Capacity Building workshop, East Sarajevo, 22nd July 2019

Attendance list

No.	SMEs/Company	Name and last name of representative	Contact (phone, e-mail)	Signature
16.	ATEKA REGULATORNA AGENCIJA ZA LOK. R-I	Aleksandra Prestolovic	e-mail: amartilovic@raib.bg phone: +387-61-797-708	
17.			e-mail:	
			phone:	
18.			e-mail:	
			phone:	
19.			e-mail:	
			phone:	
20.			e-mail:	
			phone:	

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7. Annex 3 – Questionnaire sent to SME's

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“Smart Lighting” pilot Capacity Building workshop

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22 July 2019, East Sarajevo, Bosnia and Herzegovina

- Contact name
- Position in the structure
- Company general information
1000 characters max
- Summary of innovation in the field of smart city building/smart city lighting
Technology or/and service description
- Situation from ‘idea to application’, or from ‘lab to market’.
Refer to Technology Readiness Levels where relevant
- Targeted end-user/market
- Describe briefly your project(s) and experience(s) on the field of smart city
- Describe the industrial/economic/social problems to be solved and/or business opportunity you intend to address.
 - At the local level
 - Addressing EU-wide/global challenges

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Smart City Networked Community

Our request is due to the EU General Data Protection Regulation (GDPR) that comes into effect on May 25, 2018. To help comply with GDPR consent requirements, we need to confirm that you would like to receive content from us. By clicking the opt in box below you give us your explicit consent for collecting and using your personal data.

The ESMARTCITY project will use the information you provide on this form only to be in touch with you and to provide updates about our activities, as members of the ESMARTCITY Networked Community. We will treat your information with confidentiality and will not be transferred to any third party.

Tick the box of your choice*

- ☐ Opt in
- ☐ Opt out



