# CITYNVEST CITYNvest pilot regions



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### REGIONS ACTING AS COMPETENCE CENTRES



# KEY ACTIVITIES IN THE REGIONS



**Specific Action Plans** for innovative financing models implementation prepared.



Workshops at local & national level to engage all decision-makers & support action plans implementation.

# ACHIEVED RESULTS

#### Investments



### **Energy Savings**



### SUCCESS OF THE IMPLEMENTED MODELS



- New municipalities ready to join the initatives
- ☐ Aggregation of buildings in different municipalities

# MURCIA REGION REGIONAL ENERGY PLAN





March 2017

Murcia Region Energy Plan 2016-2020

Presented

Plan based on **two strategic axes**:

sectorial & cross-cutting.



### **ENERGY EFFICIENCY PLAN**

Within Public Administration axis:

Energy Efficiency Plan includes all Regional Administration buildings

Purpose of this plan:

Energy rehabilitation of the buildings of the Public Administration of Murcia Region



### **ENERGY EFFICIENCY PLAN**

The Energy Efficiency Plan for the public administration buildings is implemented via two lines of work:

### Line I

- Tender conducted by DGEAIM
- Monitoring, diagnosis, inventory
- Buildings sizes: large, medium and small.
- Local saving actions



### Line II

- Tender conducted by DGP
- Monitoring, diagnosis, inventory
- Buildings size: large
- ESCO financing

### **ENERGY INVENTORY**

The two lines of work are supported by the Energy Inventory of the buildings of the Regional Administration.

- Inventory is the cornerstone that supports all actions.
- A permanent feedback process

Relevant data (inventory)

- Includes 392 CUPS (Meter Points Number)
- Total electrical consumption:
   43.481.338 kW

(This inventory does not include hospitals or health centers, nor public universities)

### **ENERGY INVENTORY**

OWNERS	N° OF CENTERS	CONSUMPTION 2016 - Electric KWh	CONSUMPTIO N 2016 -KWh GAS NATURAL	CONSUMPTION 2016 - KWh gas oil	FINANCING
ALL THE DEPARTMENTS	177	17.193.179	-	-	TO CONCRETE (energy diagnosis)
EDUCATION DEPARMENT	192	12.303.649	-	4.768.657	LOCAL SAVINGS ACTIONS
ALL THE DEPARTMENTS	23	13.984.510	4.358.894	223.245	ESCO CONTRACTS
Total:	392	43.481.338	4.358.894	4.991.902	
Savings (23 %)		13.914.028	1.394.846	1.597.409	

TOTAL SAVINGS: 16.906.283 KWH

# LINES OF ACTION & CONTRACTS

#### **Contracts in Line of work I**

DGEAIM acts on behalf of the beneficiaries in relation to contracts.

**Until now:** 

- 30 certifications and energy evaluations have been completed so far (contract amounting to 25.967 euros)
- Certification and energy evaluation works
   of 117 buildings being planned for an
   amount of 217.201 euros (Announcement in
   the OJUE of 4 August)
- A monitoring and billing system will be carried out, (contract amount 23.000 euros)

## LINE OF WORK II: ENERGY SERVICES CONTRACT

## Contracts in Line of work II

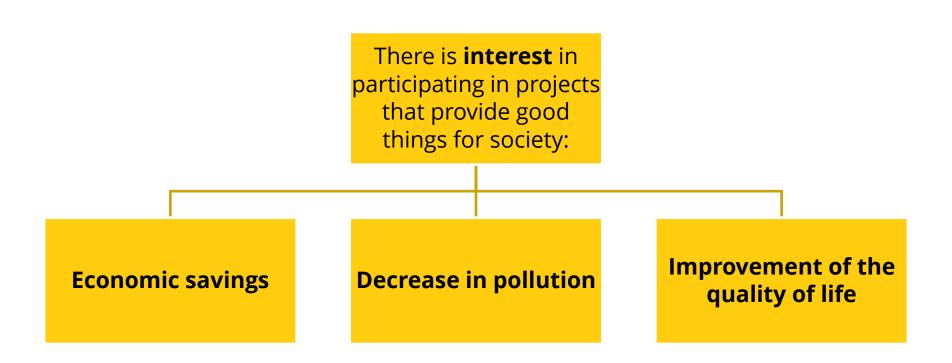
- In the second line (energy management contracts with ESCOS) it is the DGP that performs the integration function in relation to energy management contracts
- The 23 largest buildings consume a total of 18.566.649 kWh (electricity + fuels) The expected saving for them amounts to 4.270.329 kWh (23% of the total)
- For these 23, a maximum of 56.721.364 €
   (maximum bid amount) will be invested in a

   15-year energy services contract

## BUILDINGS NOT INCLUDED IN THE ENERGY SERVICES CONTRACT

- For the buildings not included in the energy services contract, solutions will be proposed, as we move forward in the Buildings Plan
- These solutions will be based on energy diagnostics (30 made so far and 117 whose tender is announced)
- In educational buildings: local energy saving actions can be implemented through small solar installations with the support of high-tech batteries

### SUCCESS FACTORS





## OBSTACLES ENCOUNTERED DURING THE DEVELOPMENT OF THE PROJECT

The management of contracts from the public sector requires compliance with legal requirements, which may adversely affect the terms of the Plan

# LIEGE REGION TOWARDS A REGIONAL ONE-STOP-SHOP



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**Schools** 

**Public buildings** 

**Hospitals** 



Public Entities

**Adhesion** 



**Technical Studies**Building selection

based on the

energetic potential as well the political

priorities

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echnical studies building selection



Public tendering procedures for EPC







Public Subsdies



Third party investment



# RHODOPE REGION A ONE-STOP-SHOP IN BULGARIA







### CITYnvest Pilot Regions: Rhodope Region, Bulgaria

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### **Rhodoshop Establishment**

- Following an Action Plan for Rhodope Region developed within CITYnvest Project;
- Aimed at the creation of suitable infrastructure to help Rhodope municipalities in securing funding while taking into account organizational, administrative, legal and financial aspects;
- Assist the local authorities in the region in building technical, economic, legal and administrative expertise for a wider implementation of energy efficiency in small sized rural municipalities

# Rhodoshop Establishment (2)

- ❖ A joint undertaking of six pioneering municipalities Smolyan, Banite, Chepelare, Devin, Nedelino and Zlatograd;
- ❖ Received funding from H2020 Energy PDA call 2016;
- The other key actors are:
  - Association of Rhodope Municipalities (ARM) project partner and Rhodoshop host organization;
  - Sofia Energy Centre project coordinator providing management and coordination support to Rhodoshop;
  - GRE-Liege providing training and capacity building of Rhodoshop staff on practical experience on One-Stop-Shop function and on-going support during Rhodoshop operation phase

# Rhodoshop Establishment (3)

- The innovative financing model of the One-Stop-Shop model of GRE-Liege/RENOWATT, replicated in Rhodope/Bulgarian context;
- ❖ Focused on building investment project pipelines that will combine/bundle suitable projects in the subscribed municipalities in order to gain critical mass and get better financing terms.
- ❖ Does not incorporate a funding programme, funding will be sought according to the available options (ESCOs, Bulgarian EE and RE Fund, local banks, Operational Programmes)

### **Main Tasks of Rhodoshop**

A central procurement agency for investment projects in public buildings and street lighting networks.

- Facilitation and client support:
  - Facilitates contracts or framework agreements for public works, supplies or services for the participating municipalities;
  - Plays as a knowledge centre;
  - Gathers competences and resources in one place (audits, works to be realized, financial viability calculations, define tendering specifications and assess received offers against pre-defined criteria).
  - Helps identify financing solutions applicable to different municipalities/clients as Rhodope municipalities are of different size they are eligible for financing under different schemes.

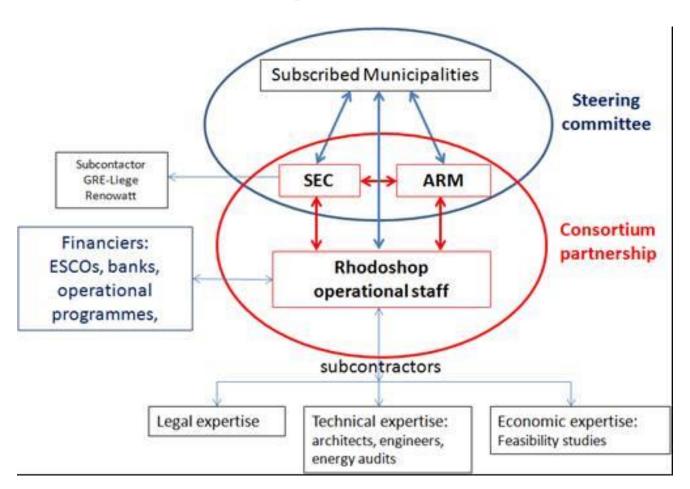
### **Main Tasks of Rhodoshop (2)**

- Assists in finding and negotiates the terms and conditions with ESCOs and other financiers;
- Monitors project results

### Project Bundling

- Bundles projects across different clients / municipalities which allows to diversify the risks, get better financing mechanisms, makes synergies across the retrofit projects and attracts professional companies;
- Increases the size of the projects and the investment size;
- Creates more attractive investment opportunities for building contractors, ESCOs, maintenance companies, financial sector.

### **Rhodoshop Organzational Structure**



### **Expected Results**

- Launch investments of over 13 MEuro in public buildings and street lighting networks;
- Realize 8,8 GWh/year energy savings by the end of its three-year pilot phase;
- Contribute to local economy development and job creation in the Rhodope Region.
- ❖ Help to achieve the local targets in CO₂ emission reductions and thus to contribute to the overall EU energy efficiency targets for 2020 and beyond.