

# An Innovative Financial Solution as Success Story for Sustainable Investments in Hungary

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*(EMA) Network Meeting*

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**LENERG Energy Agency Nonprofit Llc.**

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# LENERG Energy Agency Nonprofit Llc.



## Owners:

-  University of Debrecen
-  Foundation for Development of University of Debrecen

## Main activities:

-  increasing use of renewable energy sources,
-  promotes energy efficiency
  -  preparing Energy strategies, action plans, SECAPs,
  -  consulting activity, project management and generation
-  cooperation with public and private actors, promoting sustainable energy use






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# Financial tools in Hungary to support energy and climate projects

## **Operational Programmes**

-  Environmental and Energy Efficiency OP – governmental institutions, churches
-  Economic Development and Innovation OP - entrepreneurs
-  Territorial and Settlement Development OP - local governments

## **SMEs, local governments own sources**

## **International projects**

-  HORIZON2020
-  INTERREG Programmes




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# Problem/challenge addressed


## **Operational programmes - non repayable grants**

 After 2020?


## **Own sources**

 Limited, lack of capital

## **Direct EU Funds**

 Hardly available for local governments, SMEs

## **Loan**

 Hardly available for local governments





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# Available solution: Non-profit ESCO

## **ESCO: Energy Service or Saving Company**

-  Providing a broad range of energy solutions.
-  Combined technical and financial service, **Energy Performance Contracts (EPC)** – guaranteed savings

## **Savings in energy costs are used to pay back the capital investments**

-  Optimal return period (5-15 years)

## **Energy efficiency investments is covered directly from the saved energy costs**

-  Education institutions, Healthcare organisations, Libraries, Cultural centres, Sport facilities, SPAs, Social institutions, Public lighting/ heating system




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# LENERG's Non-profit ESCO activity

## **Non-profit ESCO company**

-  LENERG Energy Agency Nonprofit Llc. – higher market trust

## **New pillar of LENERG: provide management task + investment support**

-  extensive network of contacts, good connections with local governments of Hajdú-Bihar County
-  successfully started pilot project: Hajdúszoboszló Nursery
  -  completed building insulation and solar panel installation





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## Additional benefits

### **Transferring good practices, experiences**




-  increasing energy efficiency
-  promotion of the use of renewable energy sources

### **Cooperation**

-  energy experts, universities, knowledge centres, ESCO experts

### **Bottom-up approach - Identifying local needs**

### **Social responsibility**

-  increase energy awareness
-  promote the benefits of energy efficiency
-  personal consultation







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# Smart finance – smart buildings

## Municipality of Hajdúböszörmény

-  Hospice and old people's house
-  One of the buildings of University of Debrecen
-  Mayor's Office
-  Cultural House

**Operational  
Programme**

**„Green city” conception**



**Smart meters – from own sources**  
(gas, electricity and water)  
monitoring system



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# Smart finance – smart buildings

## Municipality of Eger

 SECAP → **Smart meters**

## University of Debrecen

 One of the buildings of Department of Psychology → **ESCO**  
(lighting, heating system, insulation, replacement of window and doors)

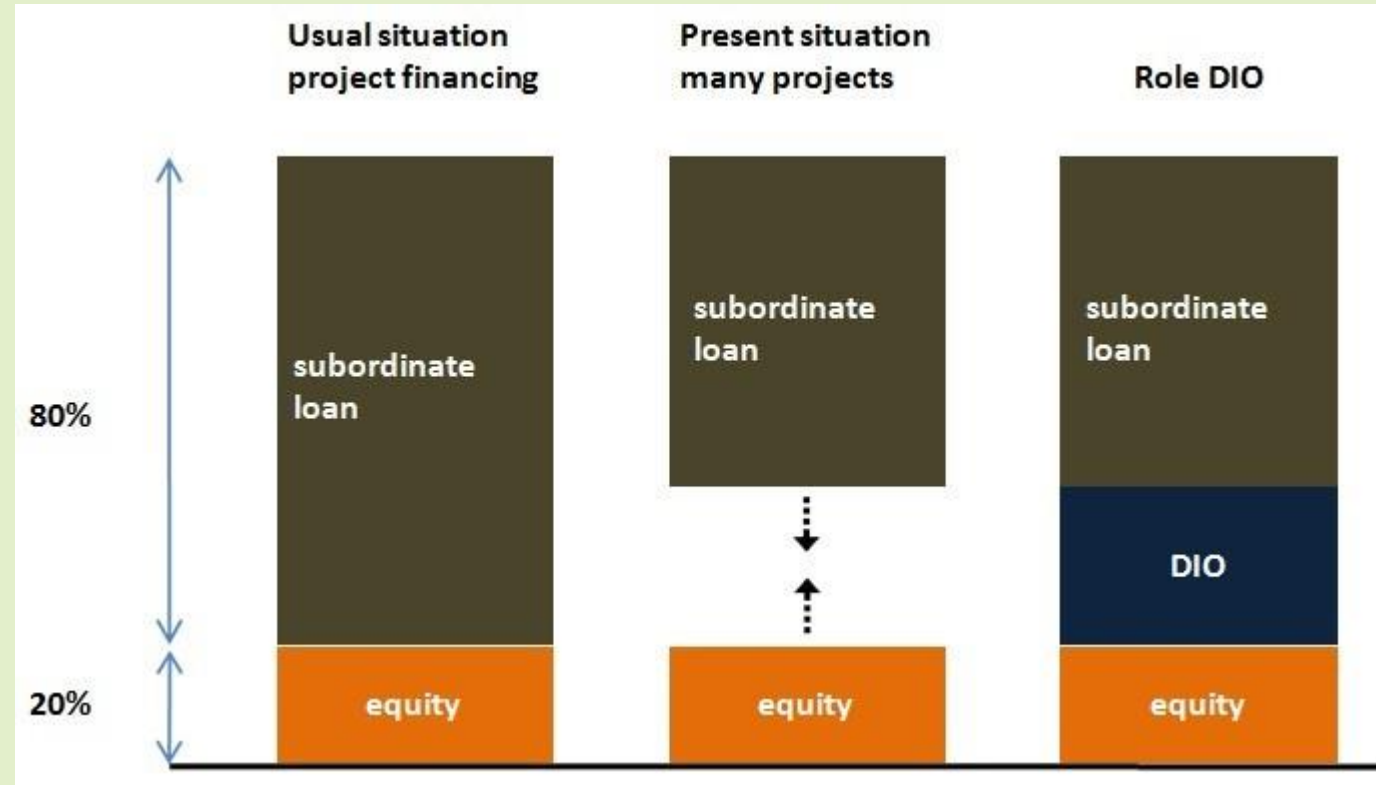


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# DIO

## **DIO** – Development and Investment Organization



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# Crowdfunding

## Solution?



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# Thank you for your attention!

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