

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

***Valeria Szabo***

*Project Manager*

*(EMA) Network Meeting*

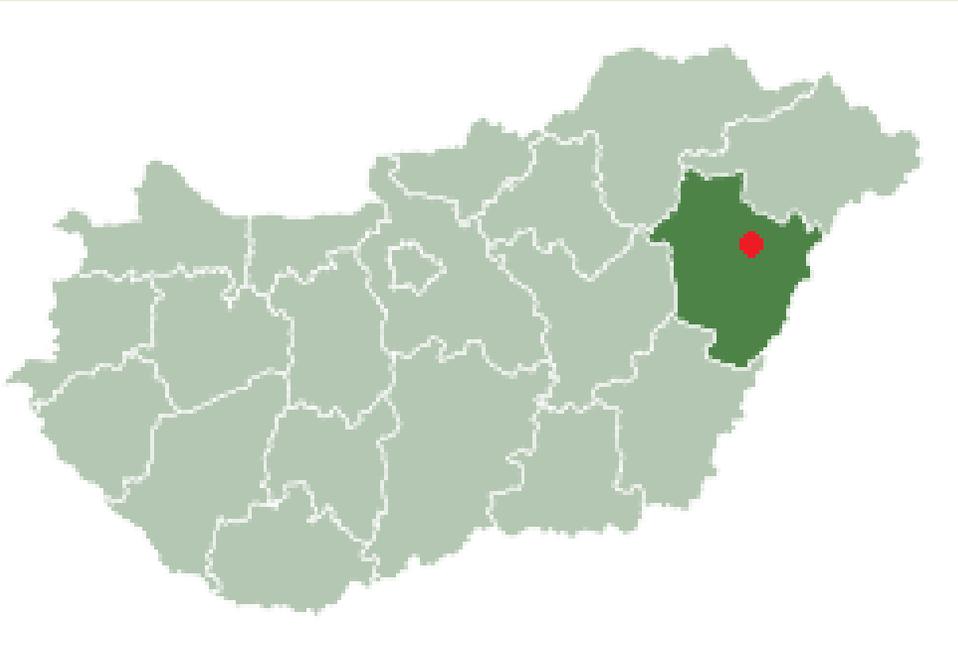
*21 November 2017*



**LENERG Energy Agency Nonprofit Llc.**

📍 1 Egyetem ter, Debrecen H-4032, Hungary ✉ [info@lenergia.hu](mailto:info@lenergia.hu) 🌐 [www.lenergia.hu](http://www.lenergia.hu)

# 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



LENERG Energy Agency Nonprofit Llc.

📍 1 Egyetem ter, Debrecen H-4032, Hungary ✉ [info@lenergia.hu](mailto:info@lenergia.hu) 🌐 [www.lenergia.hu](http://www.lenergia.hu)

# 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



LENERG Energy Agency Nonprofit Llc.

 1 Egyetem ter, Debrecen H-4032, Hungary  [info@lenergia.hu](mailto:info@lenergia.hu)  [www.lenergia.hu](http://www.lenergia.hu)

# 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



LENERG Energy Agency Nonprofit Llc.

 1 Egyetem ter, Debrecen H-4032, Hungary  [info@lenergia.hu](mailto:info@lenergia.hu)  [www.lenergia.hu](http://www.lenergia.hu)

# 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



LENERG Energy Agency Nonprofit Llc.

📍 1 Egyetem ter, Debrecen H-4032, Hungary ✉ info@lenergia.hu 🌐 www.lenergia.hu

# 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



LENERG Energy Agency Nonprofit Llc.

 1 Egyetem ter, Debrecen H-4032, Hungary  [info@lenergia.hu](mailto:info@lenergia.hu)  [www.lenergia.hu](http://www.lenergia.hu)

## 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



LENERG Energy Agency Nonprofit Llc.

 1 Egyetem ter, Debrecen H-4032, Hungary  [info@lenergia.hu](mailto:info@lenergia.hu)  [www.lenergia.hu](http://www.lenergia.hu)

# 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



LENERG Energy Agency Nonprofit Llc.

📍 1 Egyetem ter, Debrecen H-4032, Hungary ✉ info@lenergia.hu 🌐 www.lenergia.hu

# 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)

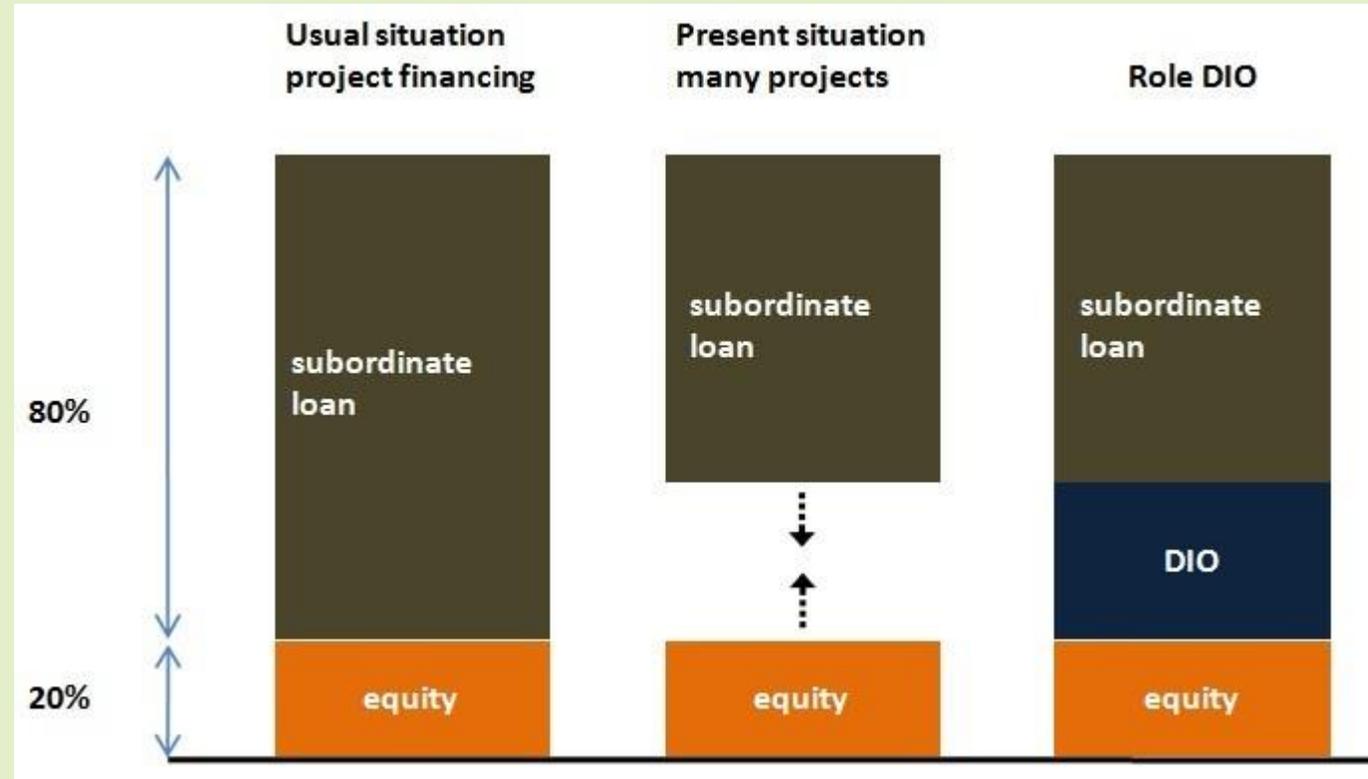


LENERG Energy Agency Nonprofit Llc.

📍 1 Egyetem tér, Debrecen H-4032, Hungary ✉ [info@lenergia.hu](mailto:info@lenergia.hu) 🌐 [www.lenergia.hu](http://www.lenergia.hu)

# DIO

## DIO – Development and Investment Organization



LENERG Energy Agency Nonprofit Llc.

1 Egyetem ter, Debrecen H-4032, Hungary ✉ info@lenergia.hu 🌐 www.lenergia.hu

# Crowdfunding

## ☑ Solution?



LENERG Energy Agency Nonprofit Llc.

📍 1 Egyetem ter, Debrecen H-4032, Hungary ✉ info@lenergia.hu 🌐 www.lenergia.hu

# Thank you for your attention!

**Valeria Szabo**

*Project Manager*

**LENERG Energy Agency Nonprofit Llc.**

Address: 1 Egyetem ter, Debrecen H-4032, Hungary

Mobile: [+36 30 232 0788](tel:+36302320788)

E-mail: [szabo.valeria@lenergia.hu](mailto:szabo.valeria@lenergia.hu)

Web: <http://www.lenergia.hu>



LENERG Energy Agency Nonprofit Llc.

 1 Egyetem ter, Debrecen H-4032, Hungary  [info@lenergia.hu](mailto:info@lenergia.hu)  [www.lenergia.hu](http://www.lenergia.hu)