
Eficienta Energetica in sectoarele public si privat

Proiectul garantEE

Numar contract: **Horizon2020 696040**

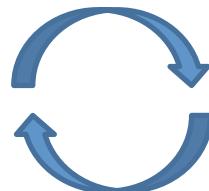
Durata proiectului: **Aprilie 2016 – Martie 2019**

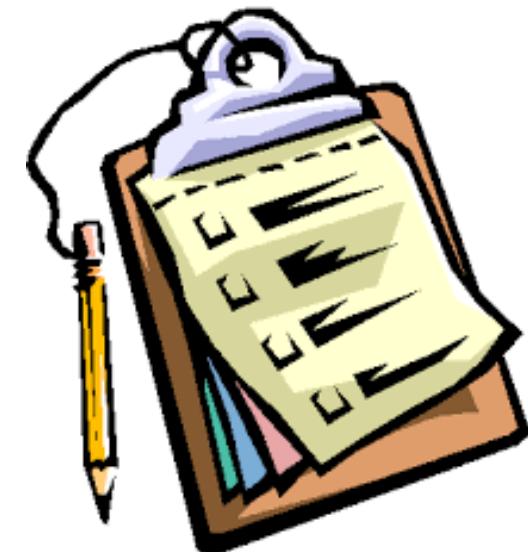


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grant agreement No 696040.*

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Agenda

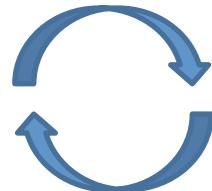
- TUD  
- CPE in sectorul public - perspective
- Proiectul guarantEE



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TUD



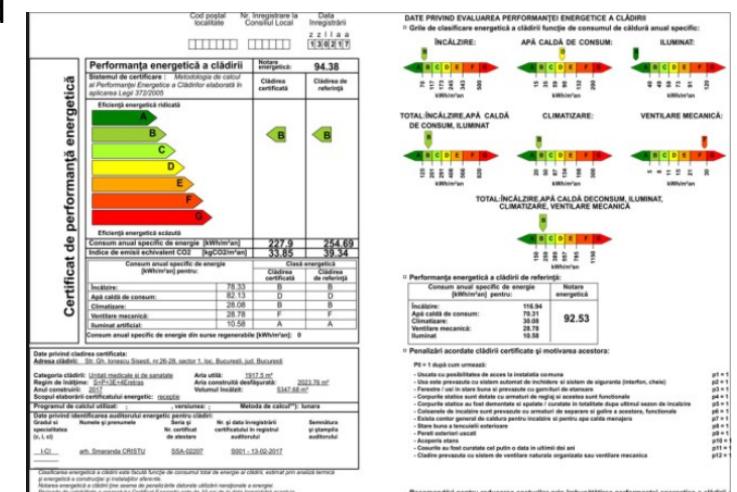
- 2007
- **prima** companie **independenta** ce ofera un pachet complet de servicii integrate de finante publice profesionale institutiilor publice din Romania
- facilitator si mediator
- 2010, **asistenta** in atragerea de **fonduri** pentru finantarea proiectelor de reabilitare termica (S 1, S 4, S 6 al Municipiului Bucuresti).



CPE → sector public → perspective

„Contract de performanta energetica” - acord contractual intre beneficiarul si furnizorul unei **masuri de imbunatatire a eficientei energetice**, verificata si monitorizata pe toata perioada contractului, prin care investitiile (activitatea, aprovizionarea sau serviciile) in masura respectiva sunt **platite proportional cu un nivel al imbunatatirii eficientei energetice** convenit prin contract sau cu alte criterii convenite privind performanta energetica, cum ar fi economiile financiare;

DIRECTIVA 2012/27/UE , Capitol 1, art.2, 27



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Proiect garantEE

Scop → impulsionarea contractarii eficienței energetice în sectoarele public și privat în Europa prin:

► **dezvoltarea unor solutii inovatoare** de contractare în cazul imobilelor închiriate



► **flexibilizarea termenilor și condițiilor contractuale** pentru a răspunde nevoilor clientilor din sectorul privat



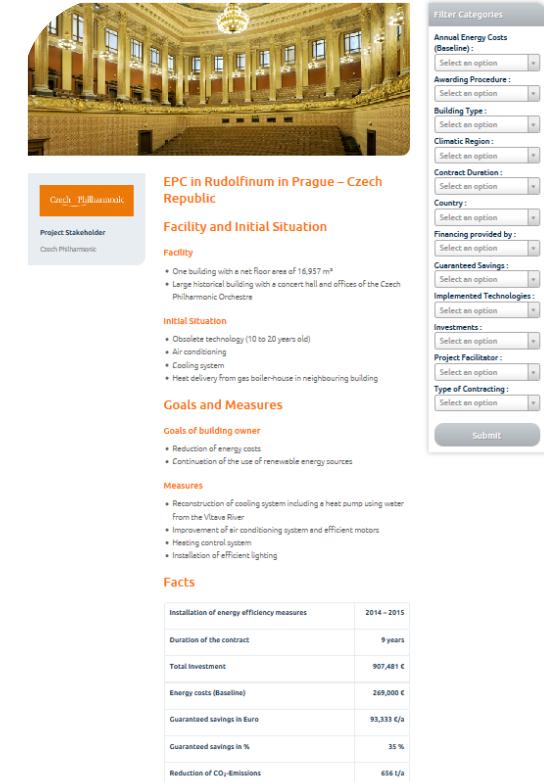
► **asistenta** acordată proiectelor pilot prin implicarea unor facilitatori cu experiență în domeniu



Rezultate anticipate

- Implementare => 33 proiecte pilot (nivel european)
 - investitie > 11 M€
 - economii 18,000t CO₂
 - economii 78 GWh/an energie primara
- Constituire baza de date online cu proiecte CPE implementate cu succes (100+ proiecte).
- Organizarea anuala a unui Premiu European de Eficienta Energetica care sa onoreze realizarile de exceptie din domeniul serviciilor de eficienta energetica.

Baza de date cu cele mai reprezentative proiecte CPE



The screenshot shows a detailed view of a project entry in the database. On the left is a photograph of the ornate interior of the Rudolfinum concert hall. To the right is a form with the following information:

Czech Philharmonic
Project Stakeholder
Czech Philharmonic

Facility and Initial Situation

Initial Situation

- One building with a net floor area of 16,957 m²
- Large historical building with a concert hall and offices of the Czech Philharmonic Orchestra

Goals and Measures

Measures

- Reconstruction of cooling system including a heat pump using water from the Vltava River
- Improvement of air conditioning system and efficient motors
- Heating control system
- Installation of efficient lighting

Facts

Installation of energy efficiency measures	2014 – 2015
Duration of the contract	9 years
Total Investment	907,481 €
Energy costs (Baseline)	249,000 €
Guaranteed savings in Euro	93,333 €/a
Guaranteed savings in %	35 %
Reduction of CO ₂ Emissions	656 t/a

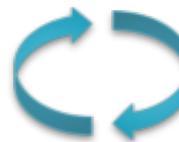


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Implementare project Romania

CPE standard



CPE costumizat

1- 11 ani:

- Parti contractante:** Beneficiar si Proiectant / Constructor (ESCO)
- Beneficiarul plateste rata contractual agreata** (proportional cu economiile de energie atinse).
- Mentenanta si monitorizarea & verificarea** cad in responsabilitatea ESCO-ului pe intreaga perioada contractuala.
- ESCO garanteaza economiile anuale** a fi atinse pe perioada contractuala. In cazul in care economia nu este atinsa din culpa ESCO, o plata diminuata cu diferența intre economiile garantate si cele efectiv obtinute este initiată.

0 – I ani

I – II ani



1- 11 ani:

- **Principalele parti contractante:** Beneficiar si Municipalitate (ESCO)
- **Parti contractante de rang secundar:** Municipalitatea si Proiectant / Constructor
- **Beneficiarul plateste o taxa pe eficiența energetică** ce se va ridica la 20% din valoarea investitiei , platibila pe 10 ani, independent de nivelul de performanta energetica atins.
- **Mentenanta** cade in responsabilitatea Proiectantului / Constructorului pe o perioada de 3-5 ani.



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Implementare proiect Romania



Coordinator: Berlin Energy Agency (BEA), Germany

Reprezentant national: TUD FINANCIAL SOLUTIONS

Membrii consotiuui:

GEA	Grazer Energieagentur	AT
NEE	Norsk Enok og Energi AS	NO
CODEMA	City of Dublin Energy Management Agency	IE
Factor 4	Factor 4	BE
ICAEN	Institut Catala d' Energia	ES
TUD	TUD Financial Solutions	RO
ECB	Energeticke Centrum Bratislava	SK



VIPA	Public Investment Development Agency	LT
ENVIROS	Enviro	CZ
IJS	Institut Jozef Stefan	SI
RVO	Ministerie van Economische Zaken	NL
ENEA	Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo Economico Sostenibile	IT
EnPO	Sem Energies Positif	FR



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Va mulțumim pentru atenție!

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