

Eandis EDLB

Belgium

OWNERSHIP	PUBLIC
Program authority	Eandis
Program Delivery unit	Eandis EDLB (Energiediensten aan Lokale Besturen)
Implementation Model	Separate Contractor based (SCB)
Operating Services	Marketing Integration Financial advice Financing Assessment
Type of projects	Energy Efficiency (building retrofits) Energy Efficiency (public lighting) Renewable energy
Ambition/targets	Market based
Beneficiaries	Cities, municipalities, Provinces
Funding Vehicle	Utility funds Financial institutions Property owners
Financial Instruments	Equity/Own funds Loans Grants Utility incentives

Summary

Eandis is the electricity and gas distribution company for a significant part of the Flanders region. In fact it is an operating company created by 7 local distribution companies, owned by municipalities, that are shareholders of Eandis.

In the past, under Flemish policy directives, Eandis (as well as another distribution company, called Infrac) had a public general service obligation to assist its shareholders (municipalities, cities, provinces) with energy conservation measures (e.g free energy bookkeeping, free energy audits, etc.).

In 2010, this role was extended with a “public ESCO” role, consisting of accompanying cities, municipalities, and provinces in studying, implementing and financing energy saving investments in their public buildings. The driver is very often the engagement of these local authorities under the Covenant of Mayors.

Eandis, through its EDLB (Energiediensten voor Lokale Besturen or Energy Services for Local Authorities) service offering, plays the role of an integrator, subcontracting energy audits, engineering and technical specifications and works to the private sector through a “separate contractor based model”. Projects typically include boiler replacements, roof insulation, window replacement, relamping and relighting, HVAC regulation and PV solar panels.

How does it work?

Eandis implements a 6 step approach:

1. Implementation of an energy bookkeeping solution, baseline measurement and identification of energy savings potential
2. Realization of an energy audit, followed by a project advice. This is the basis for a first decision of the customer to engage with Eandis.
3. Design phase, including technical specifications and detailed engineering state, followed by the project execution. Eandis subcontracts these steps, through framework agreements, to private engineering companies and contractors
4. Financial engineering
5. Communication and behaviour campaigns to occupants
6. Follow-up (M&V) and monitoring

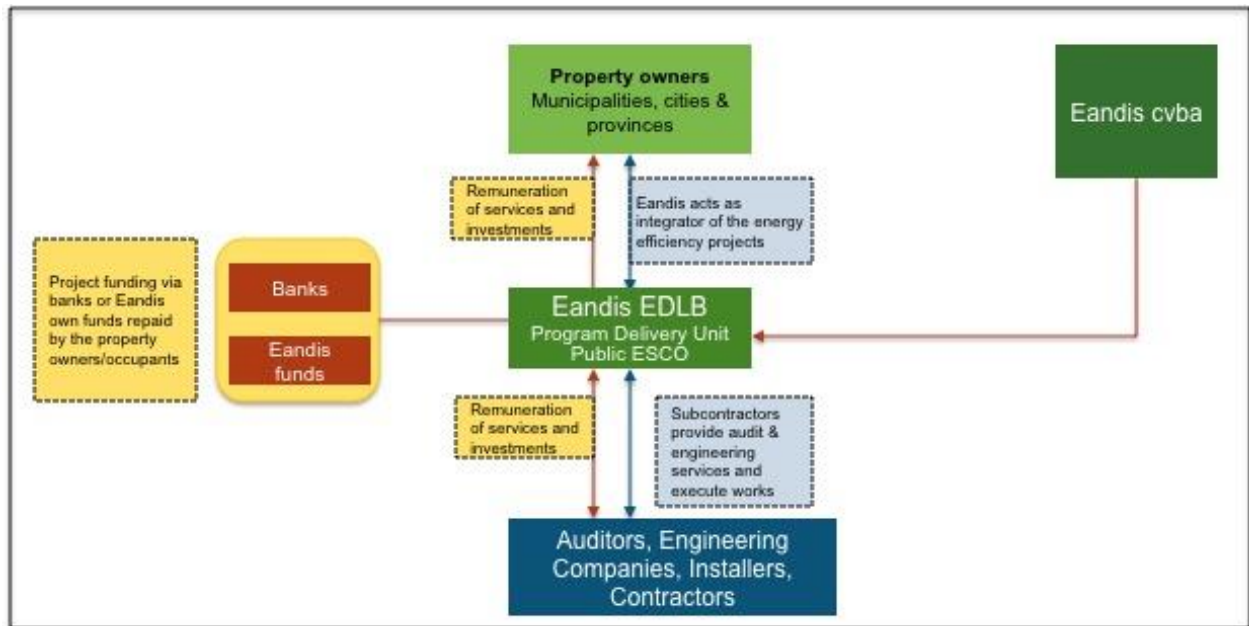
In case of renovation of boiler rooms that run on fuel, Eandis also subsidizes the transformation to gas (free network study, free connection, subsidy for fuel tank clean-up, free pre-design and 2 years of free maintenance).

In 2015, Eandis launched a first pilot project using the EPC-methodology, on behalf of the City of Ghent, but this methodology is not yet operational. The main reasons for starting to use EPC are the fact that the separate contractor based method is difficult to implement and the fact that the market is looking for EPC-based solutions as other facilitators and ESCO's have started to offer them.

Eandis EDLB also offers projects for public street lighting through a “master plan public lighting”. This includes

- Analysis of the current situation
- Definition of goals
- Definition of measures to achieve the goals (relighting quick scan)
- Calculation of the impact
- Design and implementation of an action plan

Fig 1. Operational and financial model



The program delivery unit

Eandis EDLB, which is not a separate legal entity but an internal department, is the program delivery unit of Eandis' programme and service offering to local public authorities.

The unit operates as programme marketer, project integrator, financial advisor, financier and assessor.

Its core activities include:

- Accompaniment of Sustainable Energy Action Plans (SEAP) under the Covenant of Mayors programme
- Assessment of energy consumption to standardized (free) energy bookkeeping
- Identification of energy savings potential, through (free) audits
- Engineering (outsourced to specialized engineering companies)
- Implementation of investment works (outsourced to specialized contractors)
- Financial advice and financing
- Implementation of behaviour campaigns
- Communication, capacity building and networking

In 2011, Eandis had as part of its public ESCO role, 507 contracts with 110 municipalities, for a turn over of 22.575.103 euro (incl. VAT). By 2012 this increased to 220 municipalities, 415 energy saving investment projects and 242 study contracts in preparation of future investments for a total amount of 46.481.710 euro (planned and executed). In 2015, Eandis reported a total of 95 M€ of engaged projects.

In 2011, Eandis EDLB employs a staff of about 25 people.

Legal structure	CVBA (Cooperative Company with Limited Liability)
Shareholder description	Public company
Equity	N/A

Shareholders	Gaselwest, IMEA, Imewo, Intergem, Iveka, Iverlek, Sibelgas
Program dedicated staff	High
Program operational costs	High

Organization and partnerships

Eandis does not use any particular partners in its ESCO offering.

Beneficiaries

Beneficiaries	Municipalities, Cities and Provinces
Type of projects	Energy Efficiency (building retrofits) Energy Efficiency (public lighting) Renewable energy
Operational support	Projects integration through the project delivery unit
Financial support	Free energy bookkeeping, measurement campaigns (incl. IR scans) and audits

Funding mechanism

Program delivery unit funding	Unknown
Projects Funding	Projects are funded by Eandis or through bank loans
Funding Vehicle	Utility funds Financial institutions Property owners
Fund size	Unknown
Fund type	Unknown
Fund sources	Unknown
Financial Instruments	Equity/Own funds Loans Grants Utility incentives

Results

In 2015, Eandis reported 95 M€ of engaged energy saving projects. There is no data available on global energy savings but projects typically reach 15 to 40%. Payback times typically range from 2 to 15 years.

Contact details

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Fact sheet

General Info

Country	Belgium
Model Name	Eandis EDLB
Date of creation	2010

Model Description

Ownership	Public
Program authority	Eandis
Program delivery unit	Eandis EDLB
Operating services	Marketing Integration Financial advice Financing Assessment
Implementation model	Separate Contractor based
Type of projects	Energy Efficiency (building retrofits) Energy Efficiency (public lighting) Renewable energy
Beneficiaries	Municipalities, Cities and Provinces
Geographical coverage	Regional/Provincial/Local

Financial Mode Description

Project funding	Public
Project funding vehicle	Utility funds Financial institutions Property owners
Financial instruments	Equity/Own funds Loans Grants Utility incentives
Repayment model	N/A

Project risk Profile

Performance risk	Property owners
Recourse	Not applicable
Financial risk	Property owners

Model Requirements

Staff Requirements	High More than 10 FTE
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Equity or funding requirements	Unknown
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Model Key indicators

Investment volume since creation	90 M€
Size of project (or project portfolio)	Unknown
Level of average energy savings	15% – 40%

Development maturity

Development/implementation stage	Growth
Operational development maturity	Growth
Financial development maturity	Growth

Model Qualification

Level of establishment	Well established
Growth of potential	Large
Scalability of the model	Low
Replicability of the model	Moderate
Impact on public balance sheet	High

Sources

<http://www.eandis.be>

Vlaams Parlement, FREYA VAN DEN BOSSCHE, VLAAMS MINISTER VAN ENERGIE, WONEN, STEDEN EN SOCIALE ECONOMIE, ANTWOORD op vraag nr. 313 van 14 maart 2011 van LIESBETH HOMANS, 2014

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Eandis, Burgemeestersconvenant, Wat kunnen we voor u doen?, Trefdag VVSG, 7 May 2015

Bram Van Eeckhout, Eandis, Klantreacties op een EPC-aanbod bij lokale besturen, 31 May 2015

Bram Van Eeckhout, Eandis, Voorstelling EPC-Haalbaarheidsonderzoek Stad Geel, Studiedag Energieprestatiecontracten, VVSG, 16/05/2013

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