

# Knowledge transfer of EE to SME Businesses

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**Dept of Energy**



## SME - Classification

- Based on annual energy bills
  - Large Industry > €1M – Energy Management Standard -ISO 50001
  - SME < €1M

## SME - Supports

- Advice, Mentoring and Assessments
  - < €30k per annum – telephone support
  - €30k - €500k – site visits + mentoring
  - > €500k – training – structured programme (Energy MAP)
- Energy efficiency products register
- Grant supports for energy efficiency investments

## Success to date

Over 2000 SME's participated to date

Identifying and implementing measures that result in an average

saving of 11% of their annual energy costs within 1 year

(up to 30% savings potential identified on a regular basis)

## Total savings amount to €45M

SEAI Business programmes have delivered €15 for each €1 of Government funds.

# Overall efficiency programmes

- **Structured approaches**, templates, systems, guidelines, information
  - E.g. Leading and delivering structured solutions in SE planning and management, for local authorities, industry agreements, public sector
- **Tools and skills** for energy services users and providers
  - E.g. Creating and promoting IS 393, Energy MAP, Building Regulations support documents, NSAI standards/ codes, ACA products register
- Developing, piloting, evaluating and promoting **exemplar solutions**
  - E.g. HoT, SEEEP, EV demo pilots, smart meter trials, industry case studies
- Tailored **advice, mentoring, training** & support to key end use sectors
  - E.g. SMEs, public sector
- Reaching and **engaging key players** and influencers
  - E.g. working groups in EVs, industry, public sector, communities, smart metering
- Strategic sectoral information, advice and **support to policy makers**
  - E.g. to DEHLG, DCENR and DETE on Building Regulations, EU directives
- Accessing, interrogating, transfer/ adapting of **best international practice**
  - E.g. EN/ ISO 50001, EPBD Concerted Action, CONCERTO, IEA Implementing Agreements

**Systems**

**Tools**

**Skills**

**Organisational**  
Management  
Commitment

- Starts at the top
- External expertise
- Change behaviour

**Technical**

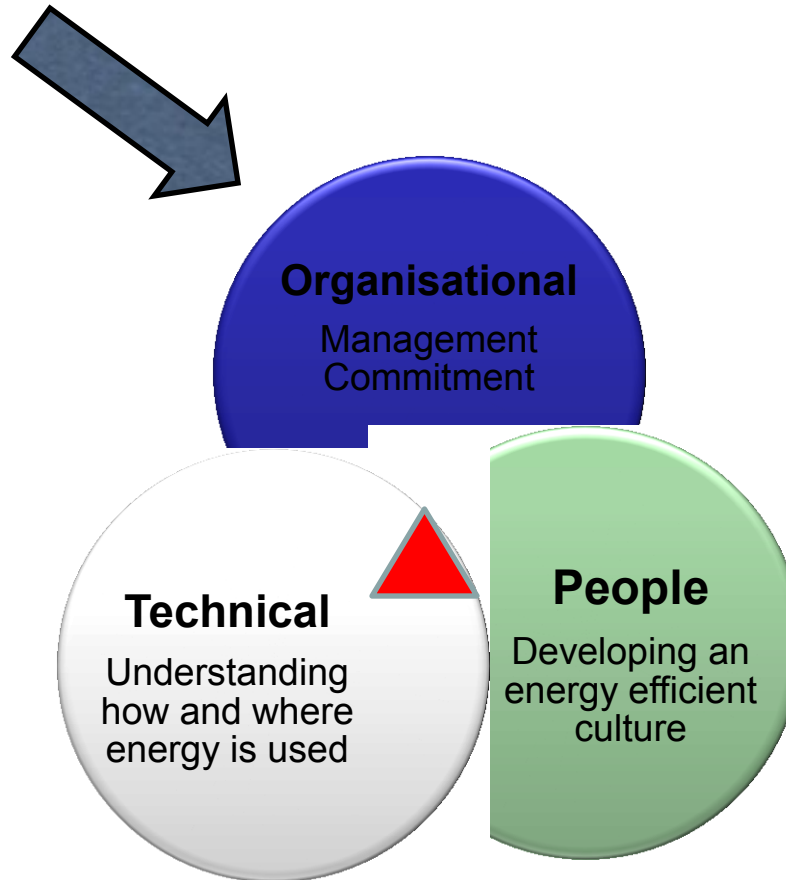
Understanding  
how and where  
energy is used

**People**

Developing an  
energy  
efficient  
culture

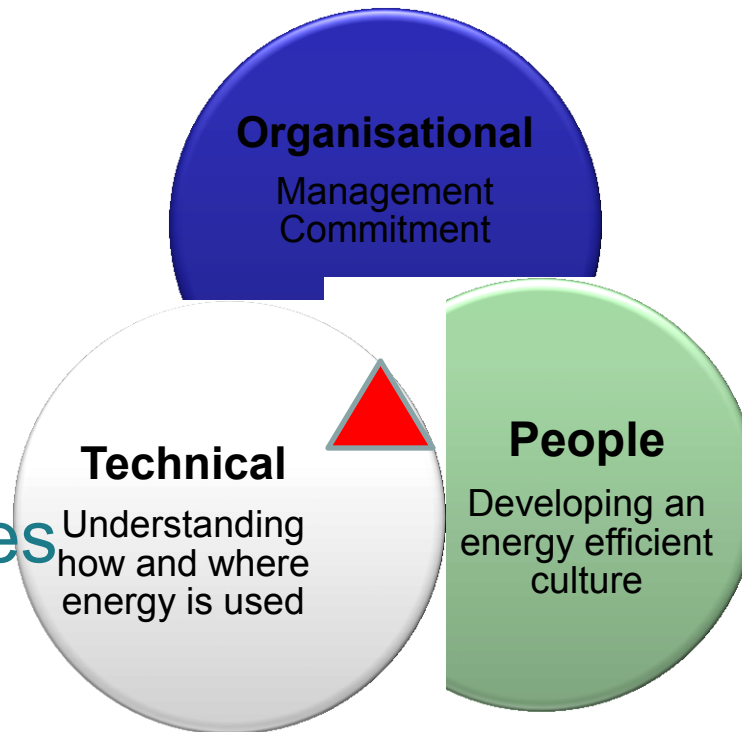
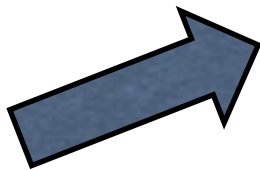
## Resources

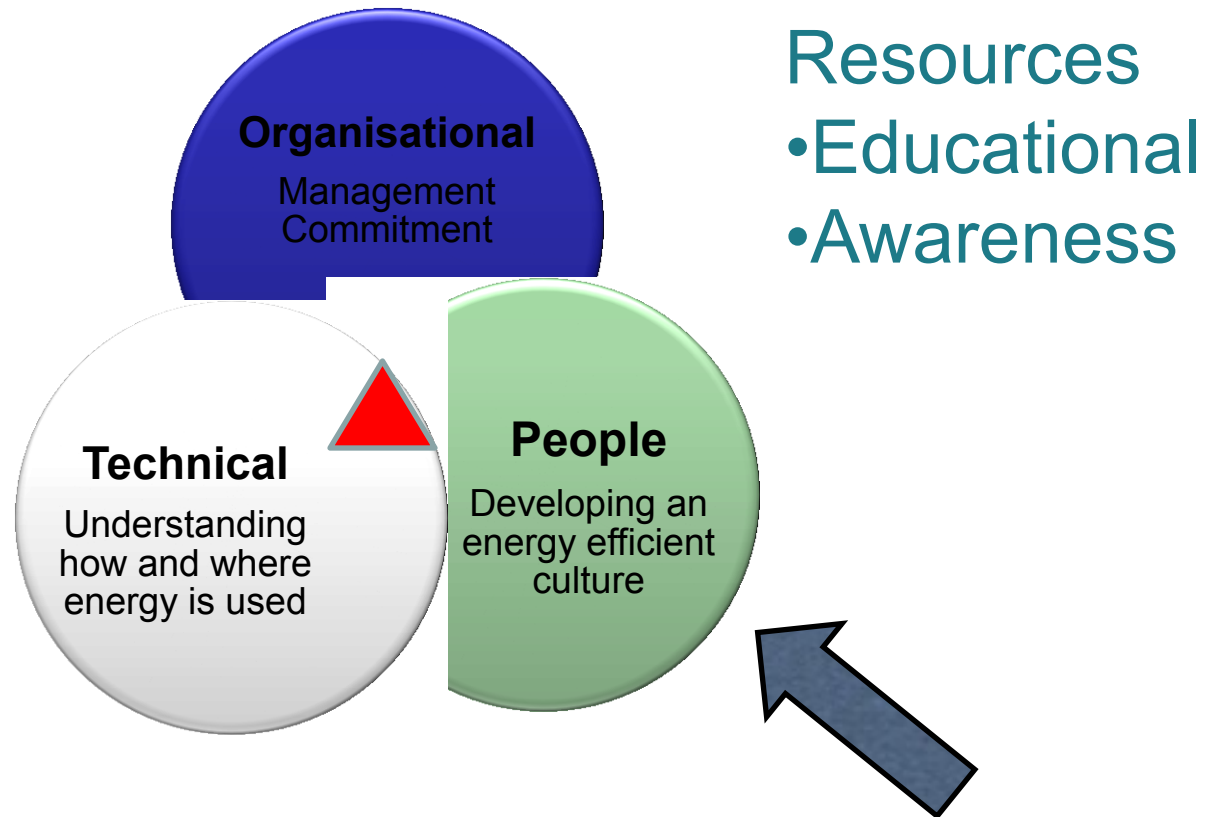
- Policy
- Financial
- Legal



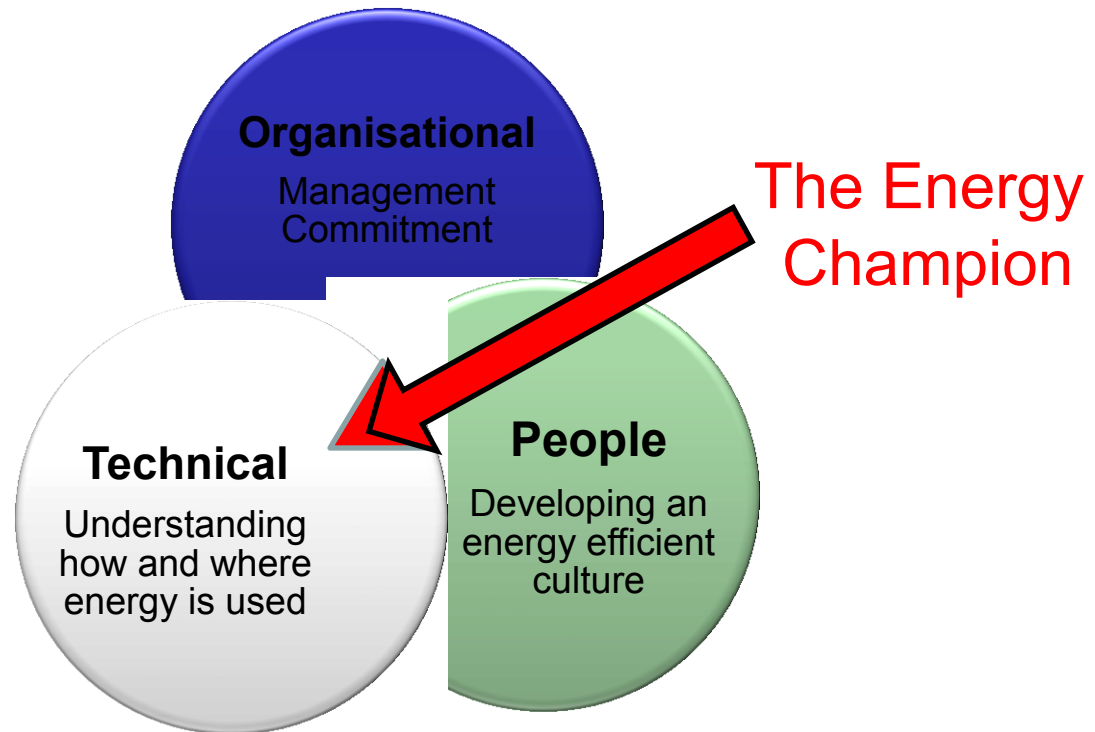
## Resources

- Auditing
- Monitoring
- EE Technologies









# LEF SEAI - Partnership



**Dundalk 2020 Charter**

Leading Ireland towards a sustainable future

**OUR VISION...** to stimulate a national move towards sustainable energy practice through demonstration in an exemplar community.

The Dundalk 2020 project seeks to demonstrate how a community can move to a more sustainable pattern of energy supply and use. This project fits in as an exemplar, first within the town of Dundalk, then the surrounding region, and ultimately to Ireland as a whole.

The project will achieve a substantial increase in the use of renewable energy, significant improvements in the energy performance of the built environment, the provision of leading management of the supply demand balance and greater energy autonomy for the community.

The project is initially focused on the Dundalk Sustainable Energy Zone, which is a defined area of approximately 4 square kilometres that contains every element of a community (housing, education, shopping, industry, retail and services).

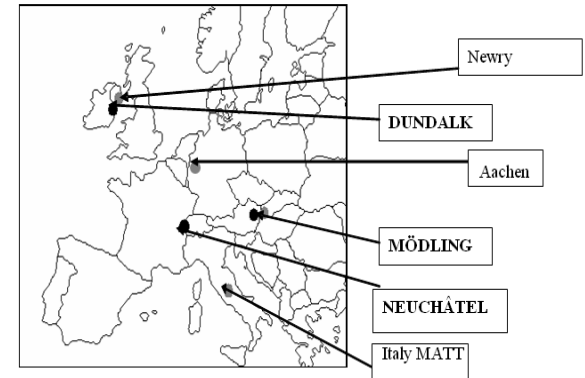
The targets set for the Dundalk Sustainable Energy Zone are to achieve a reduction in carbon dioxide emissions as follows:

- 20% of the heat required within the zone to be supplied from renewables
- 20% of the electricity required within the zone to be supplied from renewables
- At least 40% greater energy efficiency in designated buildings
- All the above to be achieved by 2010

The undersigned are fully supportive of the aims and objectives of the Dundalk 2020 project and have each committed:

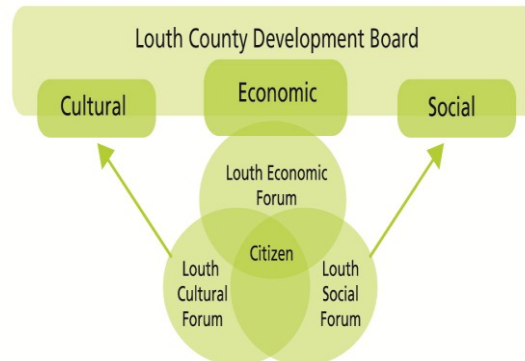
- To use their best efforts to advance the project and all its constituent parts
- To collaborate fully with other participants in the project
- To make appropriate resources available to support the project
- To promote the project and the theme of sustainable energy that underlies it
- To participate actively in the Dundalk 2020 Project

Signed:



**Louth Economic Forum**

**Structure & Leadership**



## 6 Key Actions

1. Louth Sustainable Energy Communities
- 2. Business Energy Efficiency**
3. Develop Smart Tech leadership
4. IDA Flagship green park
5. International Green Services Corridor
6. Dundalk Smart Town (Smart Gateway)



## FINDING THE ENERGY CHAMPION

Building on national Intern(Jobs Bridge) programme

45 local Businesses (8 host organisations)

12 unemployed Interns –

4 months – training and mentoring – Host + 3 SMEs

**Result:**

€250k in energy cost saving in 4 months (€1M in annual savings identified)

3 interns now in fulltime employment

**WIN- WIN- WIN** “The Innovation is the Integration”

## Questions?

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  - [www.dcenr.gov.ie/Energy/Energy+Efficiency+and+Affordability+Division/Business+Support+Programme.htm](http://www.dcenr.gov.ie/Energy/Energy+Efficiency+and+Affordability+Division/Business+Support+Programme.htm)

[www.seai/business](http://www.seai/business)



EUROPEAN REGIONAL  
DEVELOPMENT FUND



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Programmes 2007 - 2013

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