



SPEAKERS



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M SPEEDIER

An introduction to the project
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Main Features

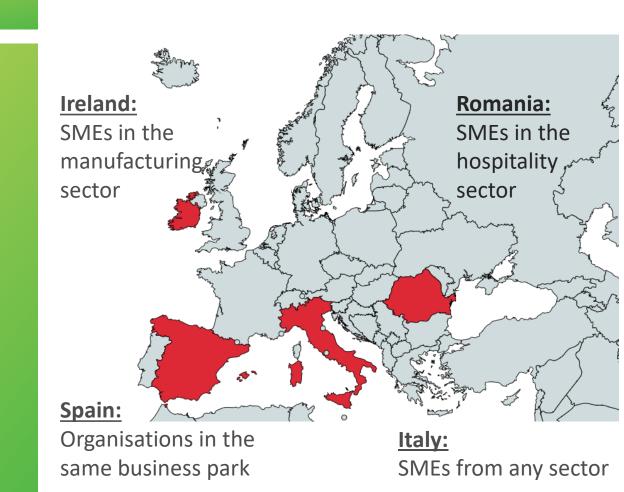
A SPEEDIER

30 month project

€2.165M budget

10 Partners, 5 countries

4 Pilot Regions





CONSORTIUM



























The EU has an energy efficiency target of 32.5% improvement by 2030.

Member States must set up incentives to assist SMEs to undertake energy audits under Article 8 of the Energy Efficiency Directive (EED).

Small and Medium Enterprises (SMEs) account for 99.98% of all enterprises in Europe.

Collectively, SMEs account for 13% of total energy demand in Europe.

SMEs have great potential to contribute to achieving the EU's energy efficiency targets.

What proportion of SMEs have had an energy audit in the last 5 years?



The Baseline

We carried out an online survey of 84 SMEs in 4 countries.

Only 11% of SMEs confirmed they have had an energy audit in the last 5 years.

64% of SMEs have not had an energy audit.

This shows there is a great need for programmes to assist SMEs manage their energy consumption.

Has your business had an energy audit in the last 5 years?



What proportion of SMEs have implemented at least one energy efficiency measure?



The Baseline

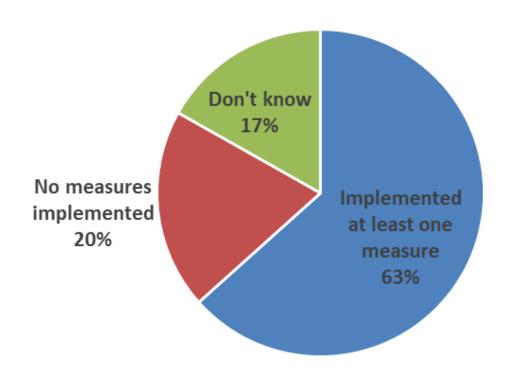
63% of SMEs have taken at least one energy efficiency measure.

LED lighting and upgrades to lighting controls is the most common action taken.

But 37% of SMEs have taken no action on energy efficiency or don't know of any actions.

There is still huge opportunity for energy saving among SMEs.

What proportion of SMEs have implemented energy efficiency measures?



What is the main challenge that prevents you from taking action to install energy efficiency measures?



The Baseline

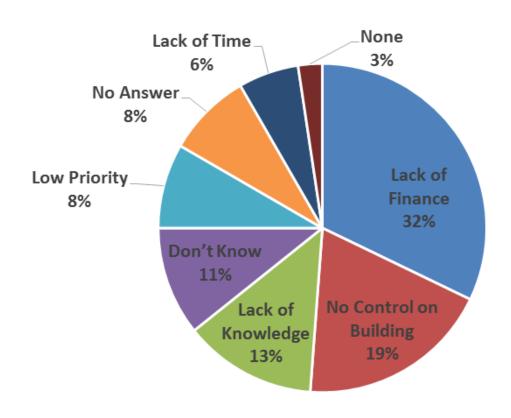
32% of SMEs state lack of finance is the main barrier to implementing energy efficiency.

Only 3% stated that there are no barriers.

Many SMEs rent the building they occupy and have no control over the building services equipment.

Some SMEs lack the knowledge to know which measures to implement.

What is the MAIN challenge preventing installation of energy efficiency measures?















How will SPEEDIER help?

SPEEDIER is an innovative one-stop-shop service that takes an integrated approach to energy management.

SMEs will outsourced the energy management of their business to a **SPEEDIER Expert** who provides information, advice, energy auditing and assistance to implement energy efficiency solutions

SPEEDIER is self-financing – savings from low cost measures are ring fenced and reinvested in higher cost measures.

SPEEDIER removes the hassle from energy management and ensures the SME receives tailored advice that suits their business.



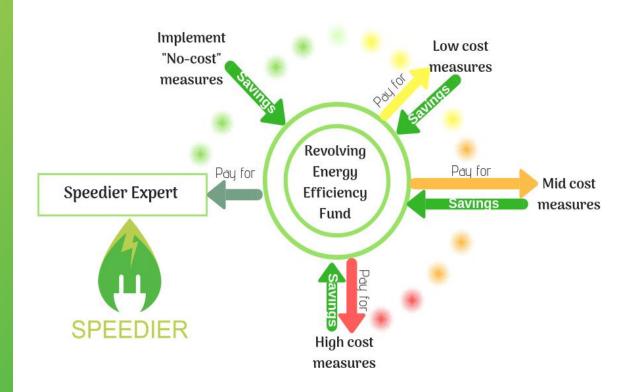
Self-financing

Simple no cost measures are implemented first

The savings are ring fenced and reinvested in low cost measures.

The cycle of saving, ring-fencing and reinvesting is repeated.

The SPEEDIER Expert is paid from the savings meaning it is in their interests to maximise savings.





IMPACTS

8 GWh & 1,280 tCO2

Average primary energy saving per year

650

Staff to be trained

50 SPEEDIER Experts & 40 SPEEDIER Trainers

Building capacity

Enabling policy

Providing direct means to Members States







Sustainable Development Goals (SDG)





2 ZERO HUNGER

DECENT WORK AND ECONOMIC GROWTH



























Tracking SDG 7

2010

2017

1.2 billion people without



840 million people without

people without people without electricity access

2.96

people without

clean cooking



2.90

billion

people without clean cooking

16.6% total final energy consumption from renewables



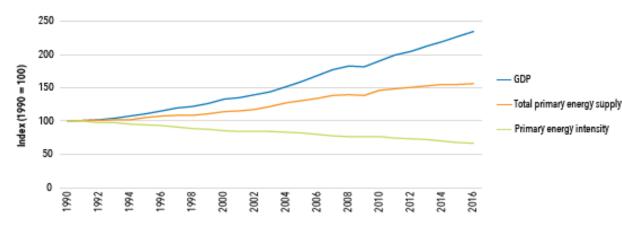
17.5%

total final energy consumption from renewables (2016)

5.9
MJ/USD
primary energy
intensity



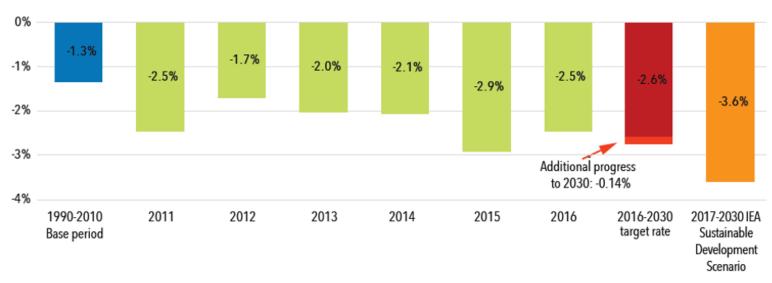
5.1 MJ/USD primary energy intensity (2016)



Source: IEA, UNSD, and WDI.



Tracking SDG 7



Source: IEA, UNSD, and WDI.

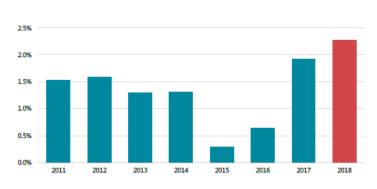
Growth rate of primary energy intensity by period, target rate for 2016-2030 and potential for 2017-2030 in IEA Sustainable Development Scenario



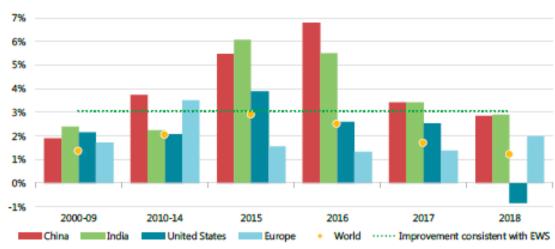
Demand and Energy Intensity

Change in Primary

Energy Demand



Primary Energy Intensity Improvement



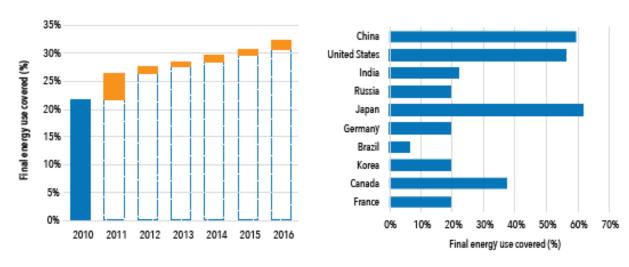
IEA (2019). All rights reserved.

Source: IEA (forthcoming), World Energy Outlook 2019; IEA (20193), World Energy Balances 2019 (database).



Energy Efficiency Policy

Demand for energy services –space heating and space cooling- is rising.



Source: IEA 2018.

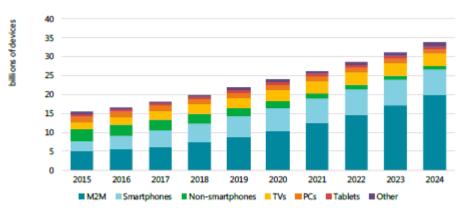
Incremental growth in energy use covered by mandatory efficiency policies



Energy Transition

Energy awareness, Regulation, Incentives, Information

- RES & EE to mitigate CC (cost & emissions reduction)
- Digitalization: new BM



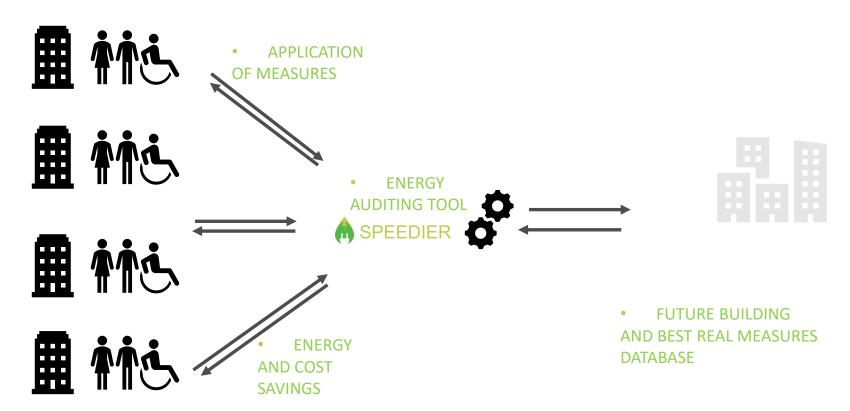
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R&D (storage, demand-side response, AI, IoT,...)









SPEEDIER EXPERTS



Speedier Project 01





Project information

Use details

Building Information

Periodic report

Ranking

 ∇

Username

▲ Enveloping elements

▲ Façades + Add A_Main façade B_Rear facade

C_Side façade 01 D_Side façade 02

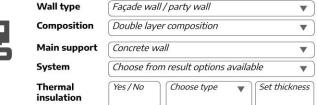
- ▼ Floor / Slabs
- ▼ Roof / Deck
- ▲ Energy consumption elements
 - ▼ HVAC
 - ▼ Lighting
 - Domestic hot water
 - ▼ Other equipment



Shape and dimensions

Façade A_Main façade Surface [Surface] m2 Orientation SE

Technical information





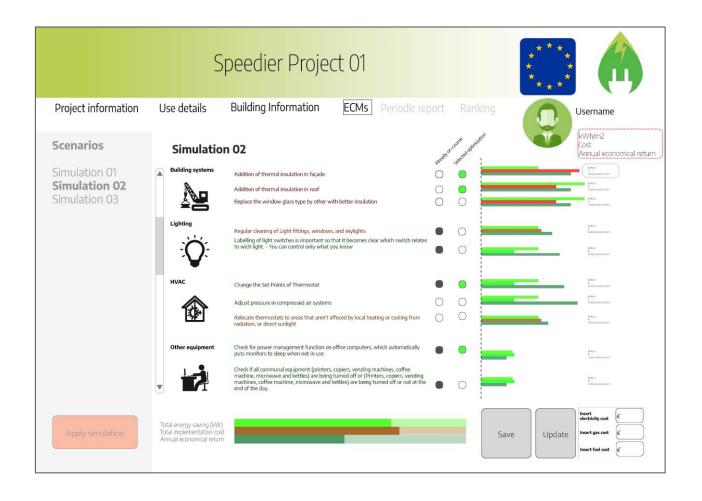
Windows

Size

Multiplier

Calculate



















Projects ∇









Activity

















▽ Filter %Reduction Progress













Area









Project Check measures





Any Questions?





THANK YOU!



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