

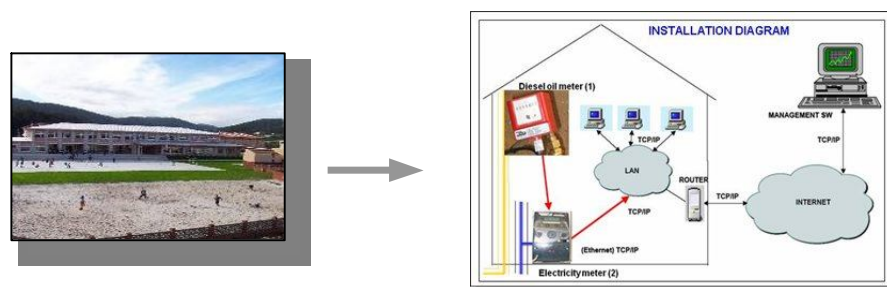
ENERinTOWN Case Study

Energy use in CPI CABO DA AREA SCHOOL - Laxe

Client LAXE MUNICIPALITY

Overall objective Implementing low/zero cost measures to optimize the consumption of energy in this building, after monitoring energy consumption.

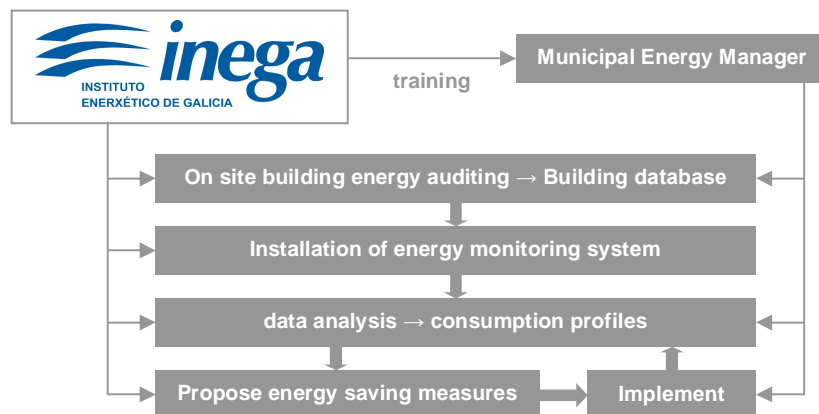
Object data School building of approximately 2300 square metres of effective area, with electricity and internet connection. The number of users of the building is variable.



Initial Situation This building consumes electricity and diesel oil in the energy systems.

Half-Yearly Consumption	
ELECTRIC ENERGY	38342 kWh
THERMAL ENERGY	NO METER

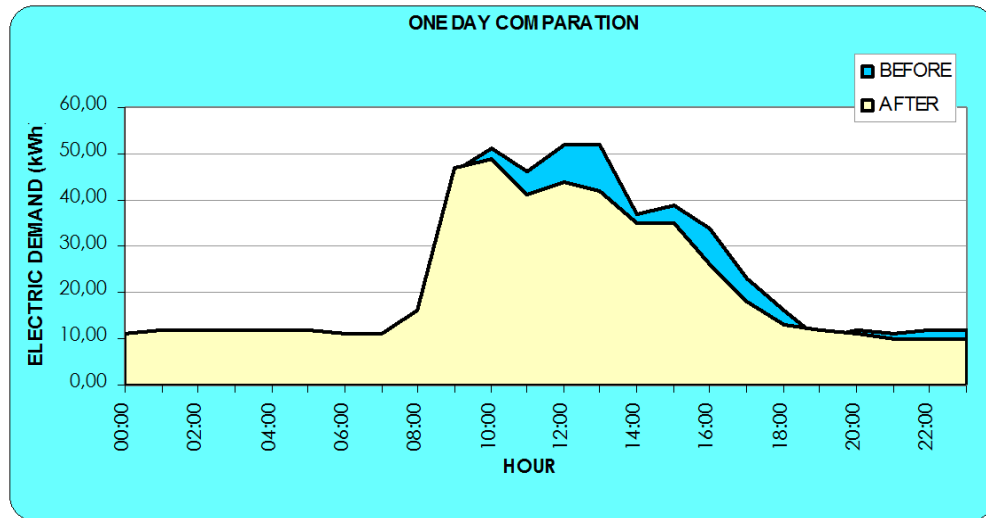
Realisation model



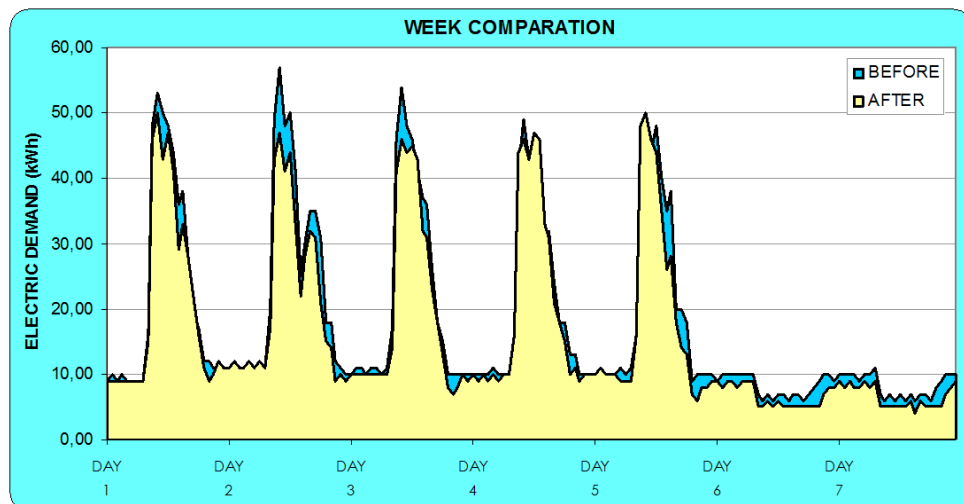
- Measures implemented**
- Energy management via internet realised by a modern energy monitoring system.
 - General energy saving behaviour (turn lights off, shut windows, etc.).
 - Training of the Municipal Energy Manager.
 - Fine tuning of controls of building energy systems.
 - Keep clean the lamps and the luminaries.
 - Efficient use of office equipment, turn off when not working.

- Reduction of electric load out of working time.
- Deactivation of lamps situated in places with excess luminance.
- Measures for user motivation, show the data monitored before and after the efficient management of energy.

Results



Consumption before implement energy efficiency measures	542 kWh	SAVING 5,54 %
Consumption after implement energy efficiency measures	512 kWh	



Consumption before implement energy efficiency measures	3018 kWh	SAVING 9,44 %
Consumption after implement energy efficiency measures	2733 kWh	

Benefits for the clients

- The economical aim to save money for resources, which can partly be reinvested in additional energy saving measures.
- Saving on natural resources, emissions reduction and climate protection.
- Implementation of a professional energy management.
- Creation of the new figure of Energy Manager in the municipality.
- Practical lessons on the responsible use of energy and environment for building users.
- New innovative model of energy monitoring system, via Internet.
- Improved public image of the municipality.
- Identification of sources of energy wasting.
- Changes behavior on the use of energy.
- Increase of the awareness on the energy saving.

Assistance provided

- SICA S.A., software MEDCOM and SIGEST ENERinTOWN.
- CONTOIL®, oil meter VZO 4-RE 0.1
- ZIV Medida S.L., electricity meter 5 CTD

Contact

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