

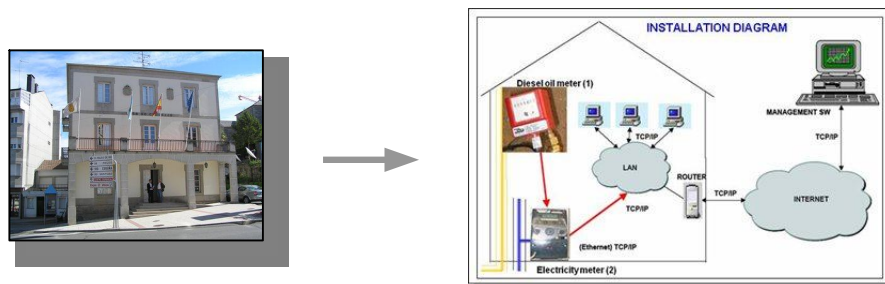
## ENERinTOWN Case Study

### Energy use in TOWN HALL - Monterroso

**Client** MONTERROSO MUNICIPALITY

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

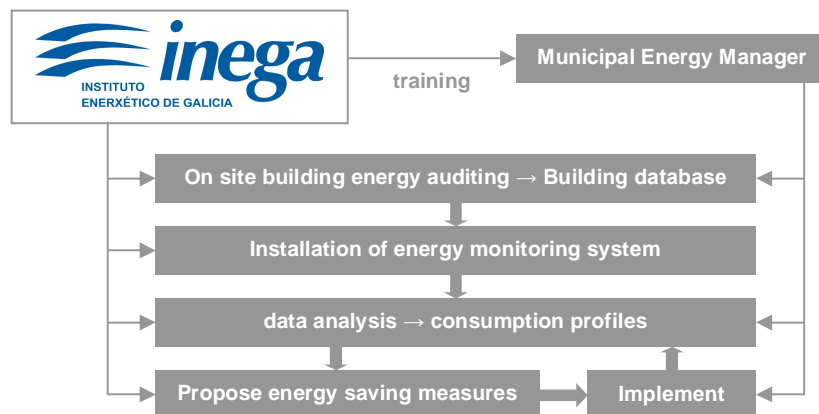
**Object data** Town hall building of approximately 410 square metres of effective area, with electricity and internet connection. The number of users of the building is variable.



**Initial Situation** This building consumes only electricity in the energy systems.

Half-Yearly Consumption	
ELECTRIC ENERGY	26945 kWh
THERMAL ENERGY	NO METER

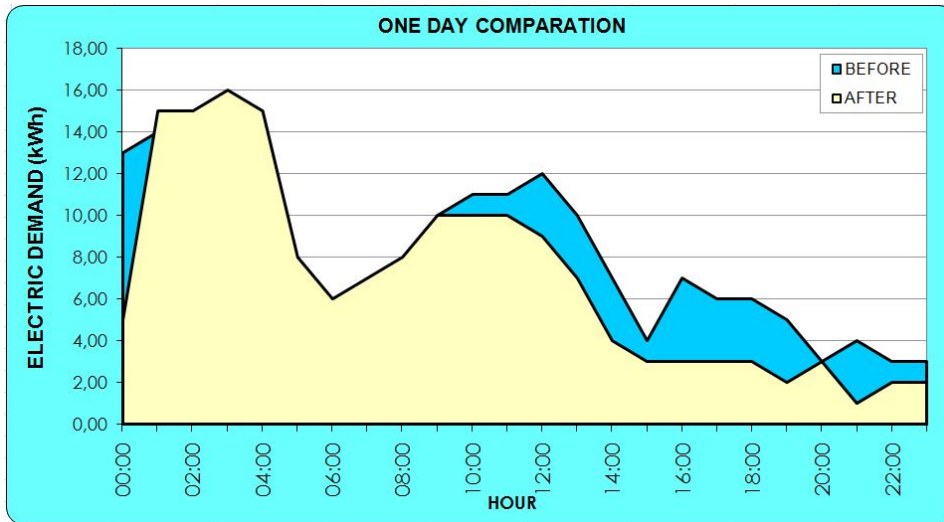
**Realisation model**



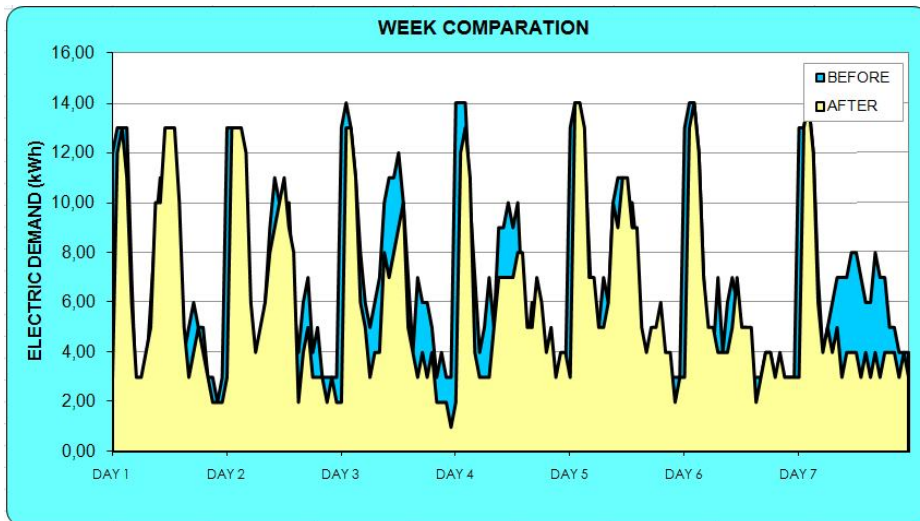
- Measures implemented**
- Energy management via internet realised by a modern energy monitoring system.
  - General energy saving behaviour (turn lights off, shut windows, etc.).
  - Training of the Municipal Energy Manager.
  - Fine tuning of controls of building energy systems.
  - Keep clean the 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	185 kWh	SAVING 9,73 %
Consumption after implement energy efficiency measures	167 kWh	



Consumption before implement energy efficiency measures	1156 kWh	SAVING 12,63 %
Consumption after implement energy efficiency measures	1010 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 inovative 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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