

SOLUCIONES
INDUSTRIALES
INTERNACIONALES

**ENERGY
EFFICIENCY**





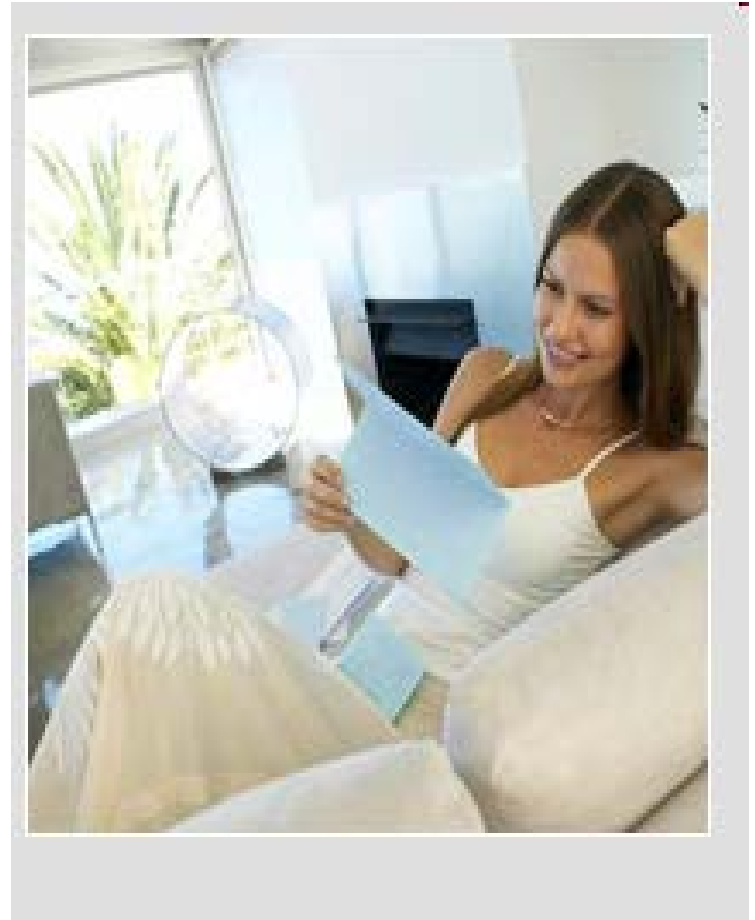
**PROFESSIONALS IN ENERGY
AND WATER SAVINGS**

PRESENTATION

“Our objective is to reduce your energy and water consumption”

To do this, **S2i** has a competent team of professionals to manage projects. Consultation, Innovation and "turnkey " Solutions in the field of energy saving and efficiency.

Energy Efficiency is trendy because it is the cheapest solution to save money. The energy audit we propose to do will not only correct the existing energy deficiencies, we will propose innovative solutions, supported by the use of renewable energy, and investments will be profitable in medium term.

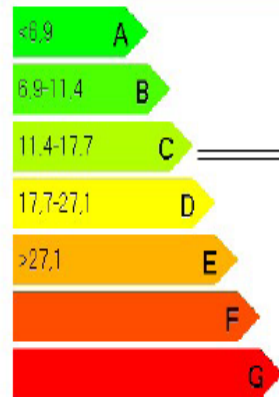


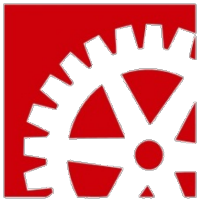
SUPPLY OF ENERGY

Today Energy Efficiency is an element to take into account when it comes to building a house or other kind of building, not only to fill the Law, buyers are going to take in mind the Energy Calibration of the building when making the decision and therefore, introduction of renewables energies become a must.

ENERGY CALIFICATION

Energy calibration of buildings is mandatory in many countries and it is an important element that buyers pay a lot of attention.

| Certificación Energética de Edificios Indicador kgCO ₂ /m ² | Edificio Objeto | Edificio Referencia |
|---|--------------------|------------------------|
|  <p>≤6,9 A 6,9-11,4 B 11,4-17,7 C 17,7-27,1 D >27,1 E F G</p> | | |
| | 15,2 C | 16,2 C |
| Demanda calefacción kWh/m ² | C 40,4 | C 40,0 |
| Demanda refrigeración kWh/m ² | B 5,1 | B 5,7 |
| Emisiones CO ₂ calefacción kgCO ₂ /m ² | D 13,5 | C 12,8 |
| Emisiones CO ₂ refrigeración kgCO ₂ /m ² | B 1,7 | B 1,4 |
| Emisiones CO ₂ ACS kgCO ₂ /m ² | A 0,0 | D 2,0 |



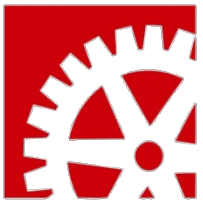
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ENERGY EFFICIENCY



WE PROPOSE:

1. To do an **energy efficiency and water efficiency audit** evaluating, measuring and calculating different parameters and aspects. All expenses -historical of invoices, building elements and design of the installation will be studied as well..
2. The result will be an report where **improvements and changes to make** will be listed, it **will quantify the annual savings** that these investments would suppose and the **amortization period** of the latter.
3. This study will allow us to evaluate the technical and economic viability to carry out **investments in energy and water efficiency**, but also in solar, thermal, geothermal or biomass energy, heat bombs and solar cooling systems.

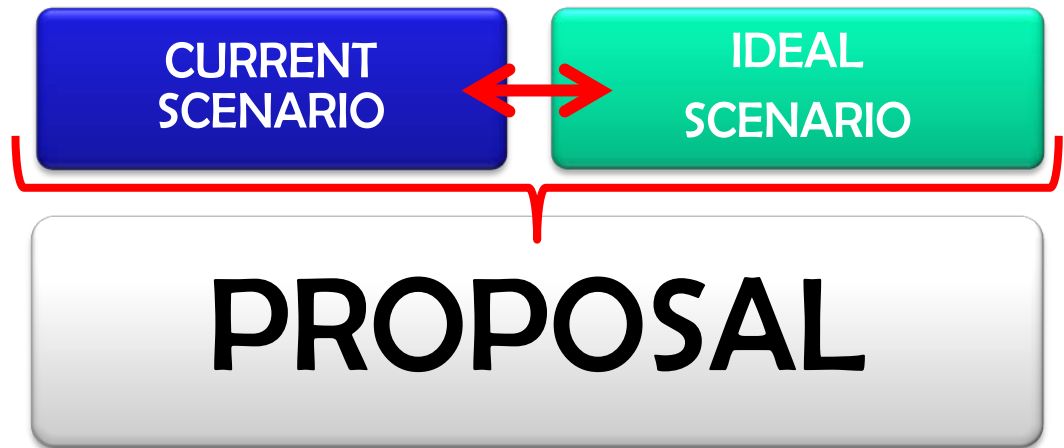


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ENERGY AUDIT



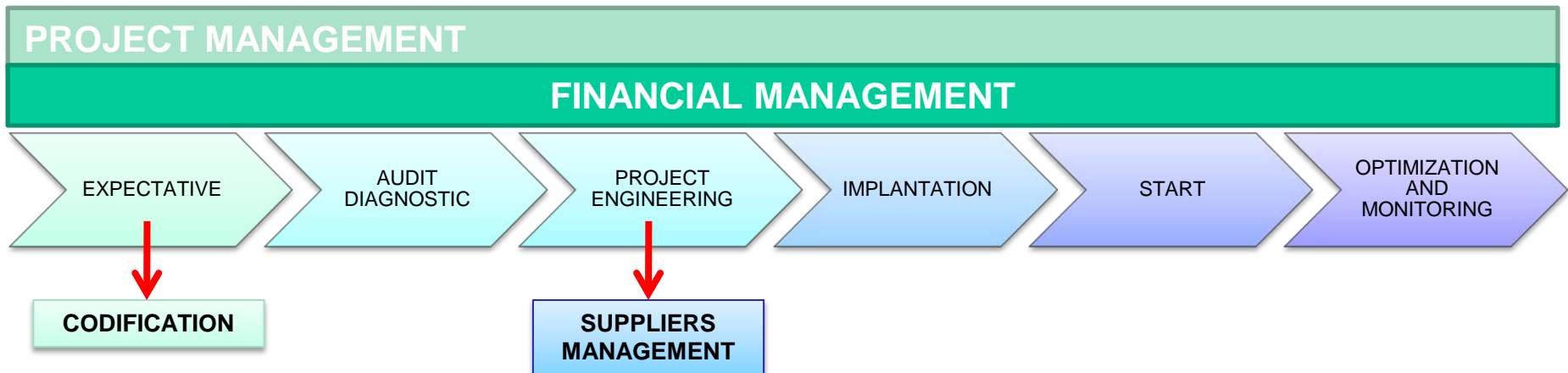
An energy audit is a systematic process that compares current energy scenario with an optimal scenario in order to identify the differential elements and make suggestions for improvements that reduce consumption in a sustainable manner.



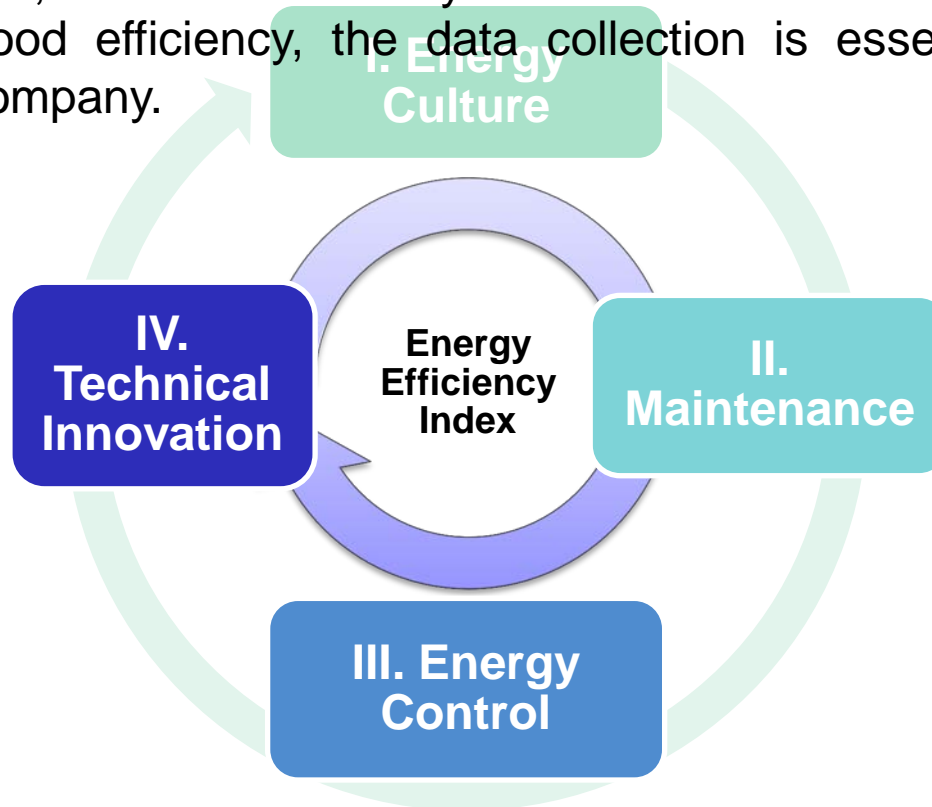
*An audit proposes solutions to improve the energy efficiency. The first time it is done, it will be possible to **save from 25 %**.*

What is that an energy audit?

1. Knowing the initial situation .
2. Establishing a roadmap improvement proposals .
3. Proposals to reduce consumption .
4. State of the art of effective applications .
5. Coating the organization in the continuous improvement process energy .
6. An analysis of investments in energy efficiency .
7. An analysis of consumption

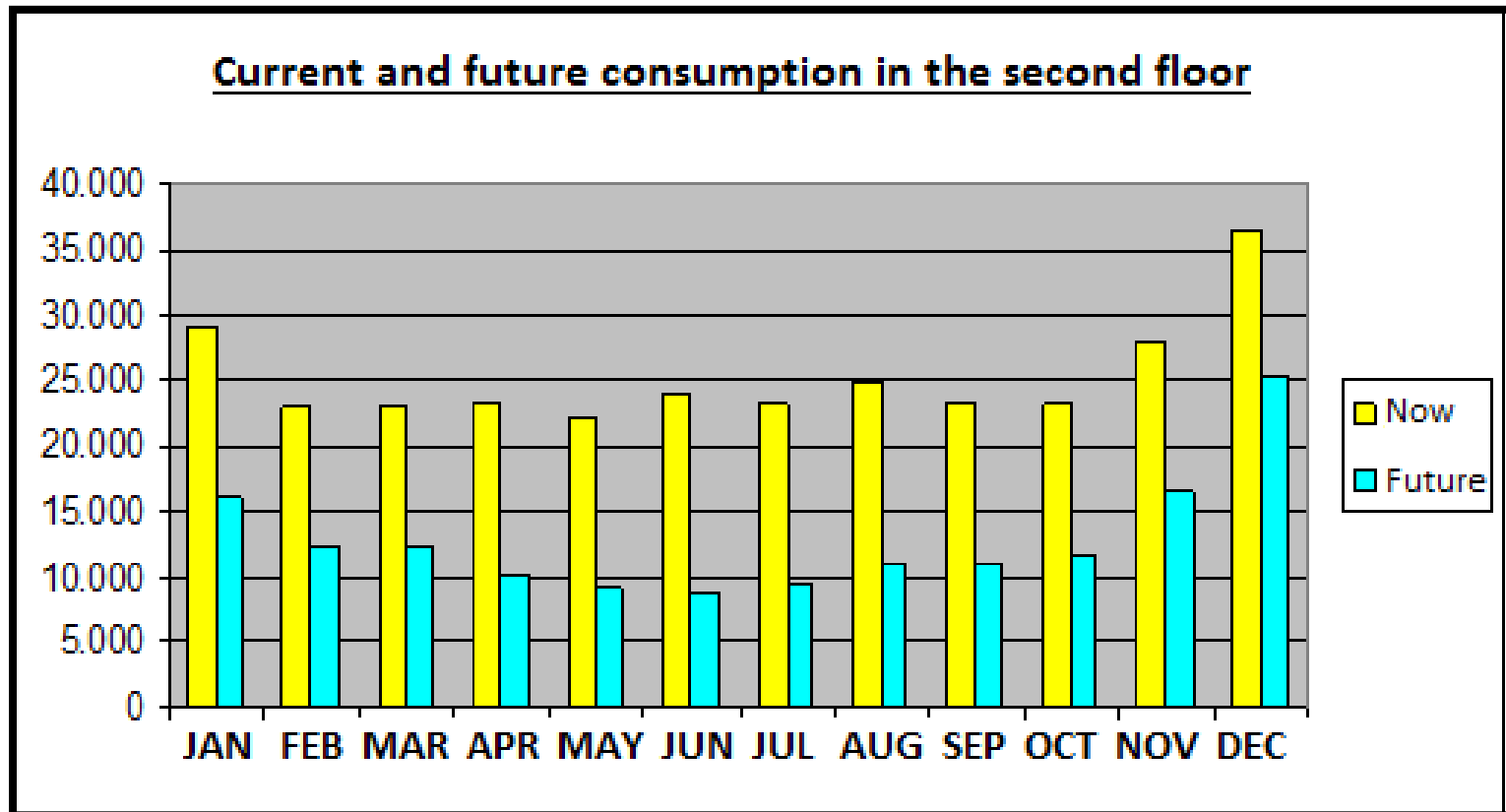


The energy audit is an evaluation but also the study of energy behavior of a building, to diagnose its deficiencies and propose measures of great importance in terms of economy and energy efficiency, taking into account the measures concerned. For this, it will be necessary for administrators and building owners to be convinced, for good efficiency, the data collection is essential. This requires a provision of the company.



ANALYSIS IMPROVEMENT WITH INVESTMENT.

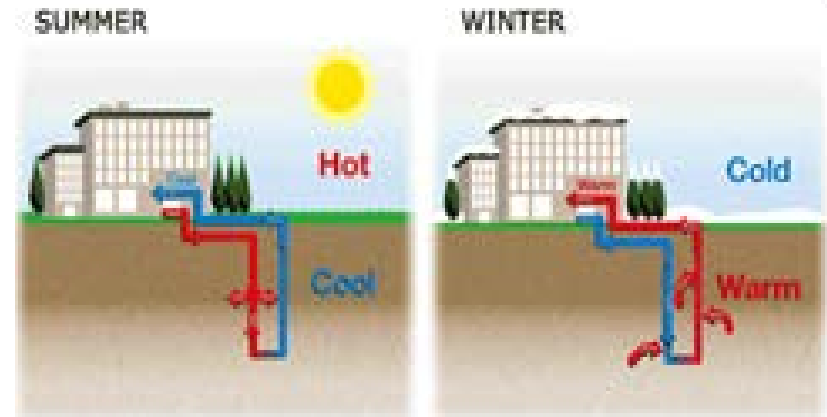
Measures affecting the design of a building and require investment in equipment for better energy savings. We estimate the investment cost and the amortization period.



INVESTMENTS IN ENERGY EFFICIENCY

Investment projects, for energy savings,
with guaranteed profitability in :

- 1- Solar and thermal energy
- 2- Geothermal energy
- 3- Thermodynamic energy
- 4- Solar cold by absorption
- 5- Heat pump





INVESTMENTS IN ENERGY EFFICIENCY

S2i PROPOSES :

1. To Make an energy audit,

- Set an ideal position, describe the real situation and identify, quantify and evaluate the activities necessary to achieve the ideal.
- Propose Energetic Investments that involve measurable savings in the energy bills and consumption, quantify investment and the amortization period based on the savings they will produce..

2. Management and execution of turnkey projects, projects energy Investment



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