

"Energy Efficiency: how to make it sustainable"

The way forward for Energy Efficiency in Industries

European Energy Challenge and Energy Integration The role of Energy Management and related standards

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European Energy Efficiency challenges



The Union is facing unprecedented challenges:

increased dependence on energy imports and scarce energy resources

need to limit climate change

need to overcome the economic crisis



Energy efficiency is a valuable means to address these challenges.



Shifting to a more energy-efficient economy should improve the competitiveness of industry in the Union.

European Energy Efficiency challenges



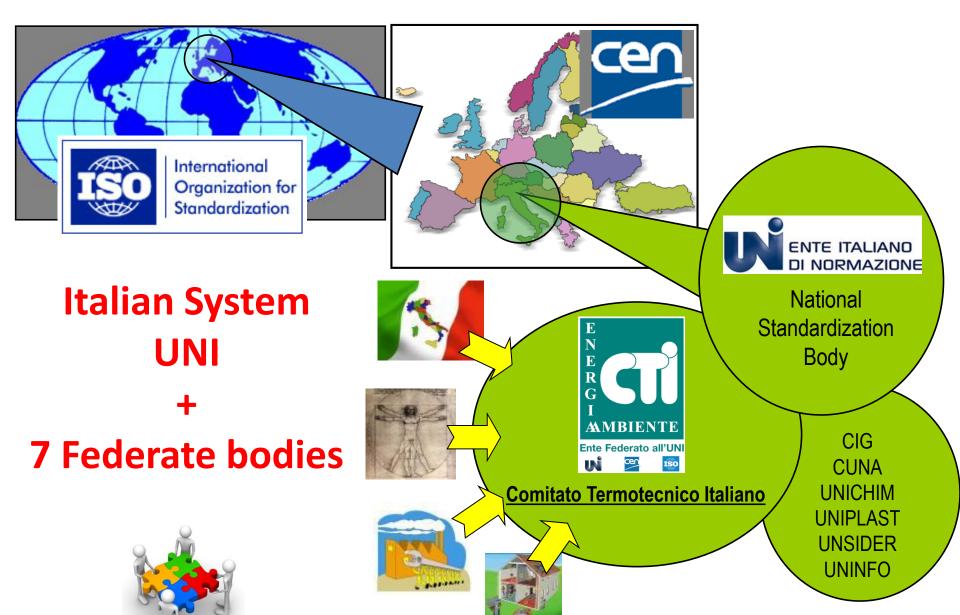
The more «Single» the EU market is, ...



... the more competitiveness and sustainability should be based on energy efficiency

The standardization system





The real challenge....



- To assure reliability
 of cash flow for
 energy efficiency
 projects
- To assure investors about the return of investment with an accurate risk assessment

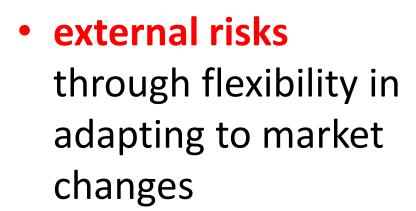


.... for energy efficiency sustainability.

Cash flow reliability can be achieved managing....



 internal risks through best practices and qualified competences

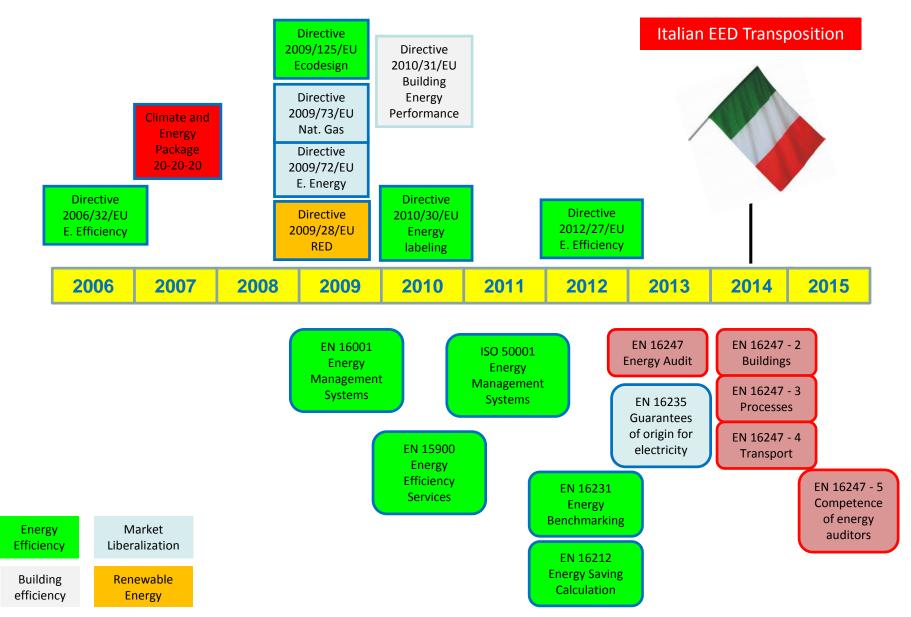




.... for energy efficiency sustainability.

Several standardization tools are available...





Qualified tools for energy efficiency







EN ISO 50001 «Energy management system»

EN 16247-3 «Energy audit of processes»

EN 16247-5 «Competences of energy auditor»





UNI CEI 11.339 "Competences of EGE"

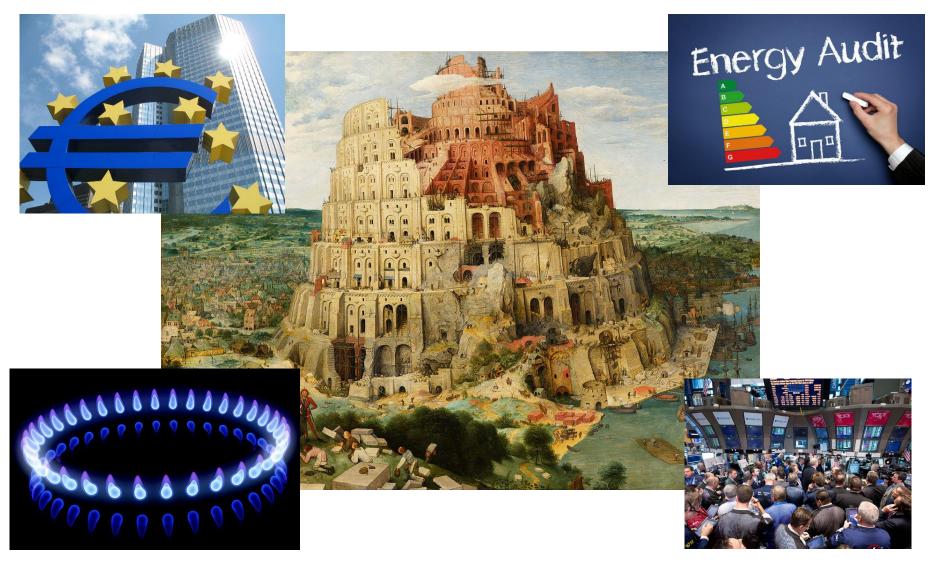
Esperto in Gestione dell'Energia Certified Energy Manager



Standardization tools means...



Common language on best practices



Standardization tools means...



- harmonization of products and services making industry more efficient and breaking down barriers to international trade
- achievement of better levels of performance and reliability
- an help for companies in tackling some of the most demanding challenges of modern business.





Taken from www.iso.org and www.cen.eu

From this point of view...



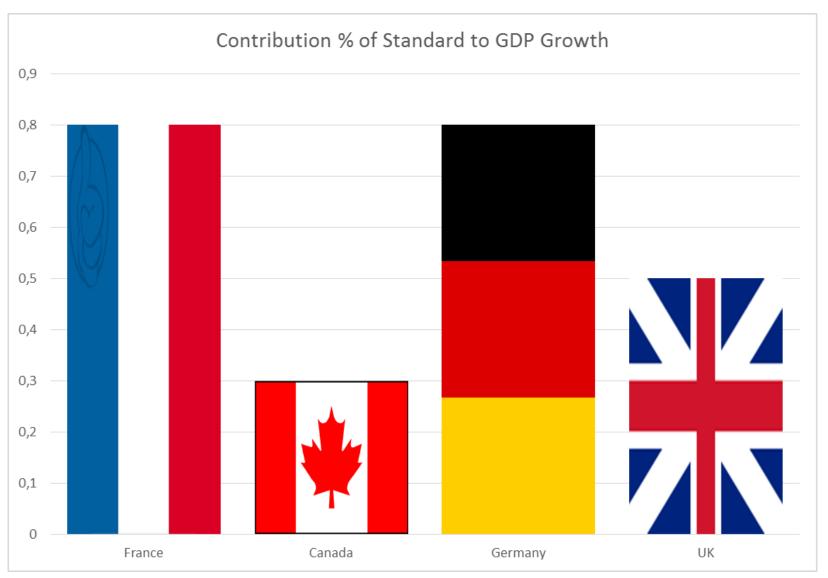
... standards on energy management and related services are tools for sustainability since:

- increase awareness on energy consumption and use
- assure a better management of risk within the organization
- increase confidence by PA (subsidies and incentive) and financial institutions (funding)



Added value of standards





Taken from «The Economic Contribution of Standards to the UK Economy – BSI June 2015"

CTI vision



Standards are consensual tools for innovators, dreamers and doers!!!

Provided that, we are still working for energy efficiency:

- making standards as simple as possible
- spreading a wider common language for energy efficiency
- supporting an easier adoption of innovation and technologies
- looking at the future: internet of things for energy efficiency
- joining new stakeholders up to now not aware of the power of standards