



Best Practice	REGULATORY OBLIGATIONS	ENMA-06
Application	Energy management	
SME sector	All	
SME Sub-sector	All	
Technical description	The objective of the regulatory requirements applicable to companies is to allow them to better understand their energy consumption, but also to identify the actions that can improve energy performance.	
Recommendation for optimisation	<ul style="list-style-type: none"> • Atmospheric emissions <p>Each company, to be operational, is required to obtain a prior authorization for emissions. The current regulatory framework requires that every plant that produces emissions into the atmosphere is previously authorized by the bodies in charge and complies with the limit values set.</p> <ul style="list-style-type: none"> • Energy audit <p>In Italy, Legislative Decree no.102 / 2014 (updated in Legislative Decree no.73 / 2020) and the Action Plan for Energy Efficiency are issued. They stabilize a framework of measures for improving energy efficiency in order to achieve the stabilized objectives for 2021. In particular, within the Legislative Decree 73/2020 it is specified that for the industrial sector, the promotion of perform an energy diagnosis to identify the most effective interventions to reduce energy consumption in small and medium-sized enterprises (in fact the decree states: "With regard to small and medium-sized enterprises in order to promote the improvement of the level of energy efficiency within on 31 December 2021 and, subsequently, every two years until 2030, the Ministry of Economic Development issues public tenders for the financing of the implementation of energy management systems compliant with the ISO 50001 standard"). Companies that have implemented a Management System compliant with EMAS, ISO 50001 or ISO 14001 that include an energy audit compliant with the decree are exempt from the obligation. Furthermore, Legislative Decree 73/2020 provides for the obligation to install individual meters for end customers, which detect the real consumption and the actual time of use of energy.</p> <ul style="list-style-type: none"> • Promotion of the use of renewable energy <p>Directive 2009/28/EC "Promotion of the use of energy from renewable sources" implemented in Italy through Legislative Decree no. 28/2011 the use of the latter for the purpose of those minimum levels of use of renewable energy set by the European community for 2020. The directive fully enters the energy efficiency of buildings as it</p>	



	<p>imposes, with gradually increasing percentages, the "use of renewable energies in new buildings or buildings undergoing major renovation.</p> <ul style="list-style-type: none"> • Maintenance <p>Finally, periodic maintenance is mandatory for some types of equipment, including heaters, air conditioning and refrigeration, compressors, etc. Always adhere to the manufacturer's specific maintenance and service specifications.</p>
Economics	<p>For SMEs there is co-financing from the regions for energy audits. The amount of this incentive varies from region to region. There is a tax deduction for energy renovation (currently 65% IRPEF). Approximately, a range of 1,000 to 10,000 EUR can be given depending on the type of inspection.</p> <p>For example, the Lombardy Region offers a call for tenders for a contribution of 50% of the expenses incurred, up to a maximum contribution of 5,000 EUR for each energy audit and 10,000 EUR for each adoption of a management system according to ISO 50001.</p>
Energy savings	Several factors affect investment costs, and a case-by-case assessment is necessary.
Economic savings	To be assessed on a case-by-case basis.
Average Payback Time	To be assessed on a case-by-case basis.
Emissions	The measure does not involve any emission.
Environmental benefits	The environmental benefits are enhanced by the purchase of green energy.
Main NEBs (Multiple benefits)	<input checked="" type="checkbox"/> Environmental benefits <input type="checkbox"/> Increased productivity <input type="checkbox"/> Work environment/ Health/Safety <input type="checkbox"/> Increased competitiveness <input type="checkbox"/> Maintenance
Replicability	High
Related measures	<ul style="list-style-type: none"> • ENMA-01: Human resources • ENMA-02: Follow-up of energy consumption: indicators, energy monitoring • ENMA-03: Implementation of an energy management system according to ISO 50001 standard • ENMA-04: Contribution of an independent expert for energy management



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| | <ul style="list-style-type: none">• ENMA-05: Energy purchase: energy market, offers, invoices, green energy• ENMA-07: Financial support for energy management |
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This Best Practice was developed by the Impawatt Project (GA No. 785041) and adapted for the GEAR@SME Project (GA No. 894356)