

With **Legislative Decree 102 of 4 July 2014**, Italy implemented Directive 2012/27/EU on **Energy Efficiency**: the national energy saving objective is to reduce primary energy consumption by 20 million tonnes of oil equivalent (TOE) by 2020.

Among the focal points of the Decree there is the obligation to carry out Energy Diagnosis, by December 2019, for all Large Enterprises, i.e. for those with more than 250 employees and a turnover of 50 million or an annual balance sheet total of 43 million, and for Energivores, i.e. energy-intensive companies that are obtaining discounts on electricity supplies.

Large Enterprises are subject to the obligation of diagnosis only if the condition of "Large Enterprise" has occurred for the two consecutive financial years preceding the year in which the audit is performed and from the date of closure of the accounts.

Energivore companies are obliged to carry out the energy audit only if they are beneficiaries of the relevant incentives for the second year. In this case, the same procedures used as by Large Enterprises apply.

Both types of organisations, once the first diagnosis has been presented and if conditions persist, must renew it and present it every 4 years.

The **ASSESSMENT | ENERGY DIAGNOSIS** by **MTIC Group** is a **modular voluntary service** structured **in several stages** that was created to assist organizations in assessing compliance with the provisions of Legislative Decree 102/14, an energy analysis of the structure, an analysis of possible efficiency and improvement measures and an investment plan.



Step 1: INITIAL ASSESSMENT

- Inspection and sharing of the information collected with the internal staff.
- Gathering environmental, structural, consumption and utility data and mapping. Evaluation of devices / equipment / plants.
- Preliminary analysis: evaluation of consumption profiles and collected data, structuring of energy uses and consumption, identification of macro anomalies.

Step 2: ASSESSMENT

- Energy Walk: itinerant collection of further data, elaboration and drafting of energy balances, building survey, definition of the base-line and possible other monitoring points.
- Identification EnPI (Energy Performance Index), evaluation of the applicable efficiency measures (including the estimate of the payback time).

Step 3: ENERGY DIAGNOSIS REPORT

Elaboration and presentation of the Energy Diagnosis report, the intervention / investment plan.