SET - ENERGY EFFICIENCY SELF-ASSESSMENT SOFTWARE TOOL FOR PRODUCTION PROCESSES

Advanced Service Available - ENEA has developed a software tool called SET (Energy Saving and Efficiency Tool), which allows to make diagnoses on the energy efficiency of production processes and to identify possible improvements. The tool enables performance comparisons against a benchmark set dynamically built from a sample of similar companies. It has been tested with real companies: for example, in a woolen mill a potential 6% consumption saving has been estimated (5.5% of costs); for a company working from raw material to the end fabric, a consumption saving of 8% has been estimated for energy, 7.5% for costs, and 24% for spinning (and the same percentage for the related costs). Many of the suggested actions have been successfully implemented by companies.

Uses - SET is a self-assessment software tool which helps textile/clothing industries to be aware on the way energy is actually used and what they could do to reduce energy consumptions and costs.
SET allows to make a preliminary, cost-free check (objective and independent) of the energy performance of industries in order to have an initial idea of the existing problems and their possible solutions. This tool represents a map allowing the industry management to orient itself in the complex world of energy efficiency.
The SET Web is available for 12 languages (www.em2m.enea.it)

Past and Present Activities - Use in the textile/clothing sector for energy self-assessments. This tool is used by several companies such as, e.g., Canali, Filatura Marchi e Fildi, Lanificio Piacenza, and others.
Collaboration underway with the ENEA Laboratory of Industrial Research CROSS-TEC (Interoperability and process virtualization for enterprise networks) – Accredited at the High Technology Network of Emilia-Romagna Region.
Video from https://www.youtube.com/watch?v=UeFgMUZsV7w
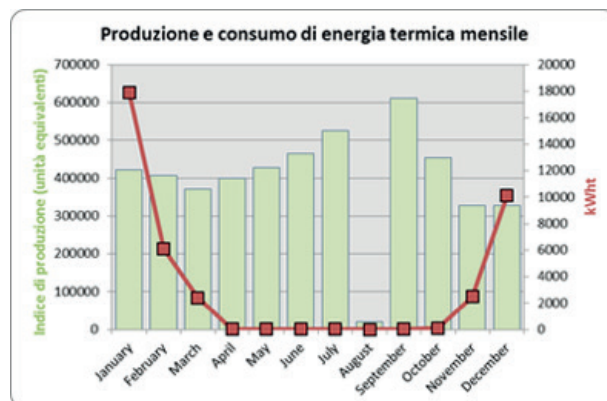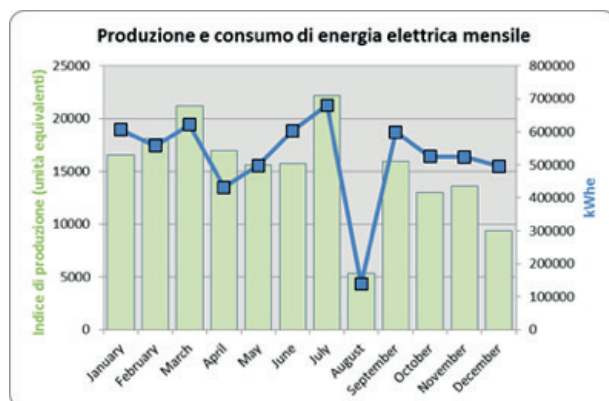
Characteristics: STANDARD
The energy efficiency self-assessment service is provided in standard mode.