



The revised EU Energy Efficiency Directive


‘Energy efficiency first’ as a fundamental principle

The revised directive

The revised Energy Efficiency Directive, including the new binding target, entered into force in all EU countries on 10 October 2023.

It establishes 'energy efficiency first' as a fundamental principle of EU energy policy, giving it legal-standing for the first time.

In practical terms, this means that energy efficiency must be considered by EU countries in all relevant policy and major investment decisions taken in the energy and non-energy sectors.



Energy consumption targets and savings obligation


The 2023 revised directive raises the EU energy efficiency target, making it binding for EU countries to collectively ensure an additional 11.7% reduction in energy consumption by 2030.

EU countries annual energy savings

1.3%	1.5%	1.9%
2024-2025	2026-2027	2028-2030


Audit obligations in the industrial sector

To optimize energy savings in the industrial sector, the directive expands the scope of energy audit obligations to include all those companies, regardless of their size, which are consuming energy above a certain threshold.




Therefore, small and medium-sized enterprises (SMEs) would also have to carry out an energy audit, where there is significant energy saving potential.

Meanwhile, the directive makes energy management systems a mandatory requirement for large industrial energy consumers to monitor and optimise their energy efficiency.



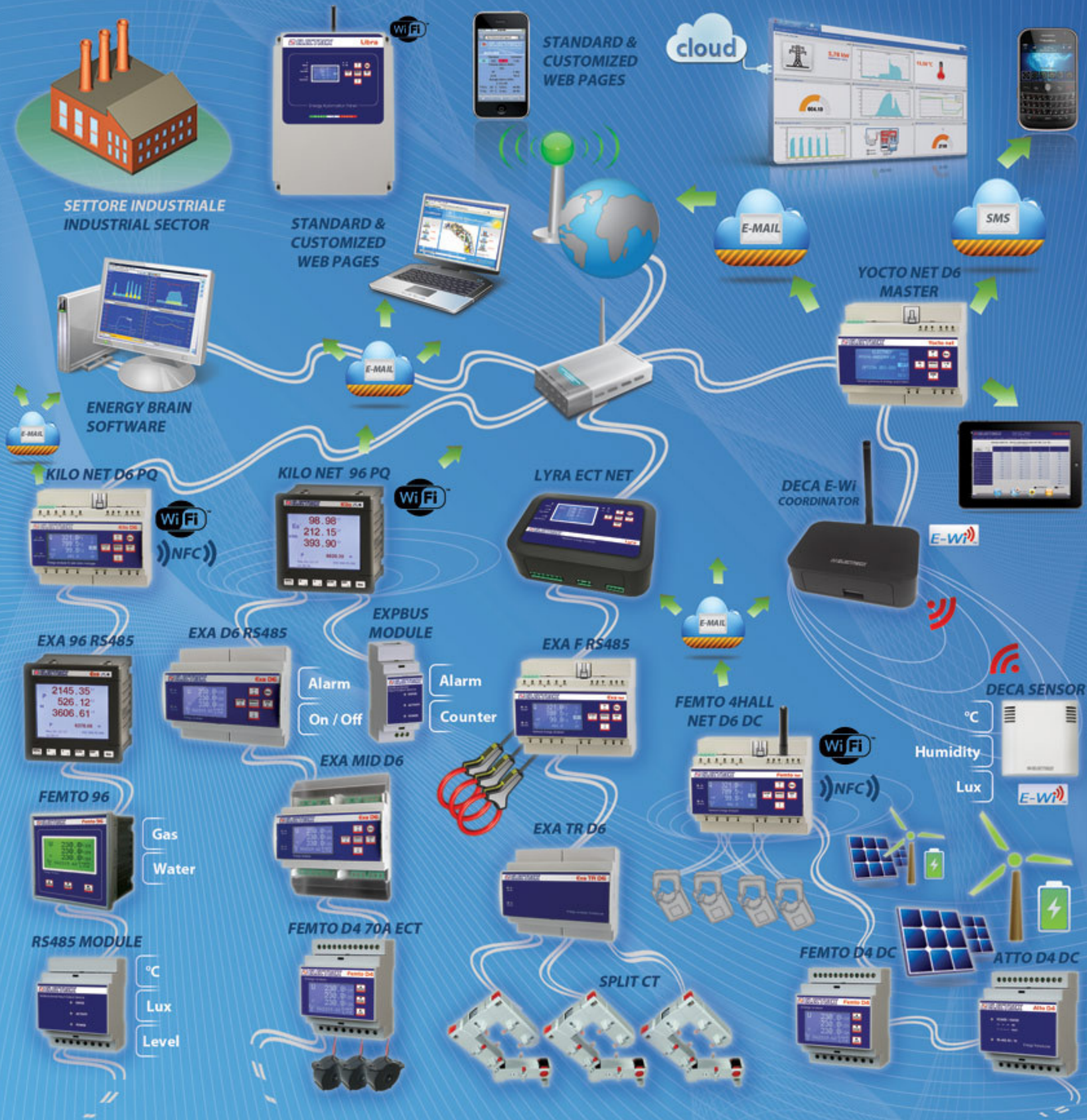
At national level, Member States will:

- Guarantee an annual reduction of 1.9% in the overall final energy consumption of public bodies compared to 2021;
 - Renovate at least 3% of all buildings owned by the public administration every year;
 - Promote the adoption of energy management systems or energy audits by companies.
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The ELECTREX solutions are the ideal solution for energy audits, continuous monitoring (e.g. ISO 50001) and for energy efficiency projects (e.g. EU Energy Efficiency Directive and White Certificates or Energy Efficiency Certificates, Directive 2018/844 / EU – the Energy Performance of Buildings Directive and LEED certification).

With a single system it is possible to monitor and manage all the energy vectors (electricity, gas, water, etc.), the environmental parameters related to them (temperature, humidity, luminosity, CO₂, etc.) the process parameters (compressed air, calories, level, status, etc.), and the operating times.



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