



white

PLUS

White Certificates, also known as "Energy Efficiency Certificates" (TEEs), are negotiable securities that certify savings in electricity or fossil fuels, each corresponding to one tonne of oil equivalent (TOE). The system of white certificates was introduced by Ministerial Decree 20/07/04 and subsequent amendments and additions, which obliges distributors of electricity and natural gas to achieve specific primary energy savings targets each year. The obliged parties may also do so through purchasing the TEE from an ESCo (Energy Service Company), on a specific stock market (the TEE market). ESCos, such as Whitenergy, can propose and finance projects, as well as certifying the energy savings produced.

Generation and Management of White Certificate portfolios.



THE WHITE PLUS SERVICE

Preparing and reporting a TEE project can be more complicated than expected, as it is essential to understand legislation and liaise with project verification bodies (GSE). Whitenergy's experience in this process guarantees the certainty of attaining the result in the simplest possible manner.

Whitenergy supports client companies during all the stages of this process: from feasibility studies to the sale of TEEs on the market or through bilateral contracts. Whitenergy technicians carefully analyse energy efficiency projects to guarantee the client easier access to the TEE mechanism.

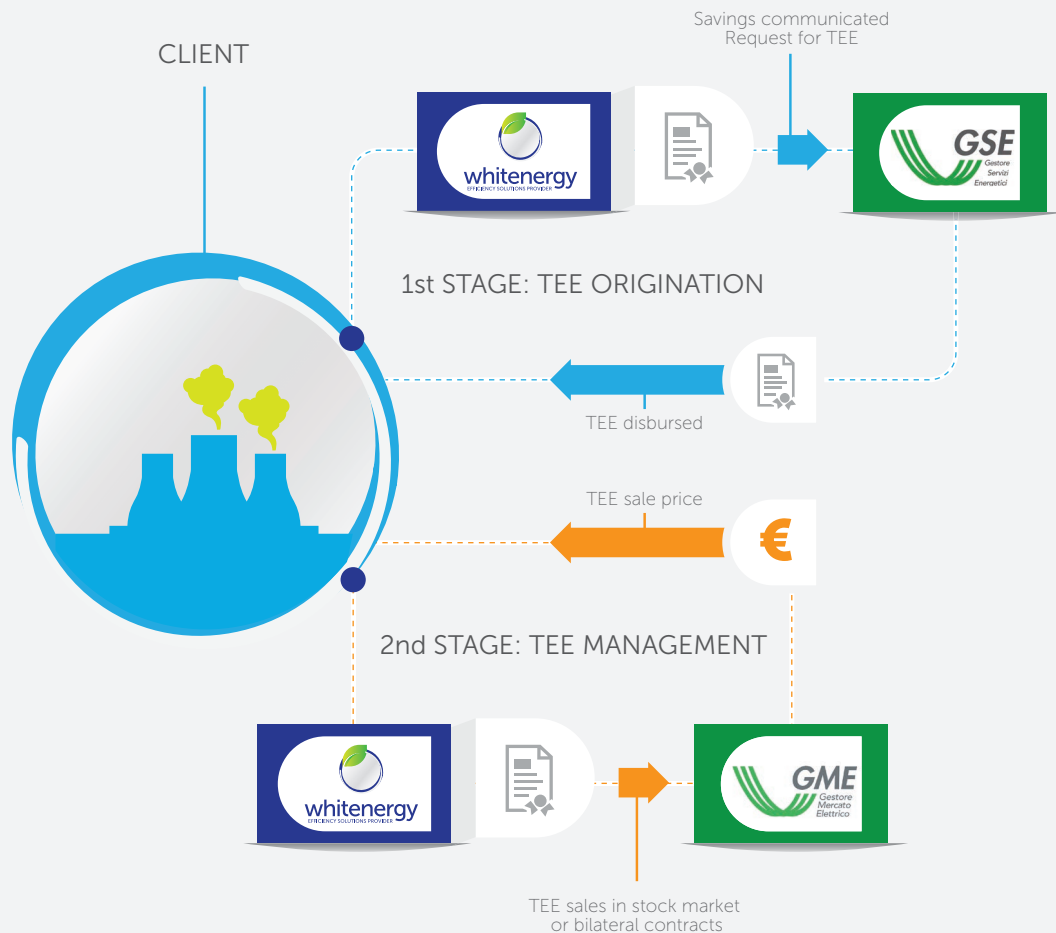
The TEE application is presented by the client, who appoints an Energy Manager and then sends the access application directly to the GSE. Whitenergy provides all the technical and administrative support, as well as the services of an Energy Manager certified under UNI CEI 11339



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EFFICIENCY SOLUTIONS PROVIDER

WHO IS IT FOR?

White Plus is designed for all companies in the industrial, manufacturing, agri-food and services sectors that wish to apply to the GSE for the generation of White Certificates, following energy efficiency measures.



CASE HISTORY

White Plus Solutions - obtaining TEE for a heat recovery intervention

The client company is an important Italian malthouse.

Situation prior to intervention

Drying towers were used to dry the malt, with a heat recovery unit comprising glass tube heat exchangers. This system represents the baseline for this sector.

Proposed solution and post-intervention situation

The intervention comprised replacing the glass tube heat exchangers with new aluminium recuperator tube bundles for preheating the fresh air. In order to calculate savings, a measurement system was installed to read data remotely.

Following the intervention, the customer benefits from an energy saving of around 300 toe per year, equal to the disbursement of approximately 1000 TEE per year for five years.



White Plus Solutions - obtaining TEE CAR for cogeneration plant

The customer is an important Italian company in the chemical sector.

Situation prior to intervention

The plant was defined by its high consumption of electricity, due in part to the use of chillers to produce chilled water.

Proposed solution and post-intervention situation


The intervention comprised the construction of a trigeneration plant. Following the intervention, the customer company benefits from a substantial reduction in electricity costs, as it is now autonomously generated, as well as a reduction in consumption, as the cooling energy is supplied by the absorber using the heat of the cogenerator.

The TEE disbursement as a result of the intervention are approximately 3000 per year for ten years.





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