

## The New Power Station in Piossasco: enhanced efficiency thanks to advanced technology

32,000 cubic meters of excavation for civil engineering works, 62,000 cubic meters of backfill, foundations and embankments, 11,000 cubic meters of concrete, 900 tons of metal reinforcement and 16,000 cubic meters of earth and demolition material disposal in an **area of 85,000 square meters**. These are the figures for the new power station in Piossasco (Province of Turin, Italy), involving a modernization of the existing station, which dated back to the 70s; it went into operation in September 2012.

The new infrastructure, in which **Terna has invested €60 million in renovation**, will improve the efficiency of the entire power station with equipment in line with today's best industrial practices and align the facilities to present day and future performance as required by the electricity system. It also prepares the way for future development of the electricity grid for the area, especially in relation to the launching of the new Italy-France interconnection.

The construction project was particularly complex. During the construction phase, to limit disruption to the existing plant's operation and minimize interference with the building of the converter station, the existing plant remained operational during the restructuring and upgrading works. The new electricity sections were built within a metal-clad area located in two buildings opposite one another, **architecturally designed to blend perfectly into the surrounding environment**.