

The *other Terna*: 1 billion euros investments on large projects

Cattaneo launched a new business model for Terna; along with its regulated activities, the high voltage company will also develop major projects for non-traditional activities. 1 billion euros out of the total of 6 of the 2011-2015 Strategic Plan have been allocated for 'new projects' for developing technology and systems aiming at the safety of the electricity system.

The idea is based on the analysis of the future trends in the sector that have highlighted the increasing need for reducing greenhouse gas emissions and guaranteeing energy saving.

- **Photovoltaic Solar Project**

After the Rete Rinnovabile transaction that in only 10 months allowed for establishing, developing and selling 150 MWP of photovoltaic solar energy with a capital gain of approximately 200 million euros, the photovoltaic solar project continues to be a top priority for Terna. In 2011, an additional 50 Mwp are expected to be developed and sold.

- **Connecting renewable sources to the grid**

Terna is constantly involved in developing the best technical solutions for connecting production plants from renewable sources to the electricity grid in our country. Additionally, the opportunity will be examined to develop this type of business also abroad, particularly in the Balkans, for building and managing grid infrastructures for connecting renewable source plants to the local grid.

- **Energy storage systems**

The development of energy storage systems stems from the need for mitigating the volatility of production from renewable sources and improving the electricity system's efficiency and safety. In particular, Terna is examining the opportunities offered in the pumping and battery sectors for night time storage of a part of the energy produced from renewable plants and the day time use, in case of need, of the energy stored in this way.

- **Energy efficiency**

Public lighting in Italy costs approximately 800 million euros a year. Presently, the energy efficiency programs adopted by the local authorities are experimenting new lighting systems that will allow saving 30-50% of costs. Terna is evaluating the opportunity to support the Public Administration through an integrated business model named ESCO (Energy Service Company), that includes consulting projects that cover all the plant, technological, financial and administrative aspects with turn-key solutions.