

## WITH "DIAMANTE", ENVIRONMENT AND TECHNOLOGY AT VALLE GIULIA

- *Diamante, the innovative power station that enables you to generate, store and manage the electricity produced by the sun has been installed at Valle Giulia;*
- *Roma Capitale and Enel inaugurate a demonstration of the integration of technology and the environment.*

**Rome, May 13<sup>th</sup>, 2013** - The mayor of Rome, Gianni Alemanno, and the Chief Executive Officer and General Manager of Enel, Fulvio Conti, today inaugurated at Valle Giulia "Diamante", a power station that enables you to generate, store and manage electricity produced by the sun. The plant was installed in a space provided by the University of Rome La Sapienza.

Diamante is a technologically advanced energy system, designed by the Enel research centre, which makes it possible to convert solar energy into electricity, store it and make it available even when the sun is not present.

The electricity generated by specifically developed photovoltaic panels is stored in a system using lithium-ion technology.

Thanks to a system for the optimized management of electricity flows, Diamante can even continue to supply electricity at night, powering a LED lighting system.

Diamante will be illuminated at night by a lighting system developed by Enel Sole that enhances the geometry and functionality of the plant, with a light radiating from the core through the use of LEDs of various sizes, wattages and optics.

The system enables the dynamic management of light flows and makes it possible to create lighting scenes directly from the console.

Diamante is a new approach to conceiving generation facilities, in harmony with the environment in which they are integrated. Its architectural structure, a glass and steel construction in the shape of Fuller's geodesic dome, is particularly well suited to areas of environmental and architectural importance.

With the installation of Diamante, Roma Capitale continues its commitment to reducing greenhouse gas emissions by 20% by 2020, as envisaged under the Covenant of Mayors of the participating European cities.

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