

TERNA: AERIAL INSPECTIONS OF THE ELECTRICITY GRID IN ABRUZZO AND MOLISE CONCLUDED

93 power lines across the two regions have been inspected

Around € 50 million invested in monitoring and maintaining the Italian electricity grid every year

Rome, 01 August 2022 – The aerial inspections which Terna conducts each year across Italy to detect the presence of faults on the conductors and pylons along its power lines have been concluded in Abruzzo and Molise.

Each year the company uses its fleet of helicopters to monitor around 150,000 km of power line. This process enables the operator to rapidly gather accurate information necessary for the effective maintenance of the power lines and is a priority for Terna, which invests some € 50 million in this sector every year.

In Abruzzo and Molise, the surveys involved a total of 93 power lines, of which 67 were in Abruzzo, for a total of 1,184 km overhead lines ranging from 60, 150, 220 and 380 kV, and 26 power lines in Molise for around 290 km of 150, 220 and 380 kV overhead lines. By the end of the summer, 6,900 km of lines will be inspected in the Centre Department, which in addition to Abruzzo and Molise includes Lazio, Umbria and Marche.

To ensure effective monitoring, Terna has equipped its seven helicopters with cutting-edge technology operated directly by the crew on board. In fact, the process is conducted using a monitor that provides a real-time visualisation of the data submitted by the devices positioned on the exterior cabin of the helicopters, which are equipped with gyrostabilizers, known as Gimbals, mounted with cameras, high resolution HD video cameras and an infra-red camera.

To operate this equipment, dozens of professionals from Terna's Plant Units located throughout Italy underwent a period of training at the company's training centre, obtaining the qualification of "helicopter inspection specialist" upon completion.