



IPTO SA - Greece TSMD & ESG Branch

Who we are:

We represent/work for the Independent Power Transmission Operator - Greece's TSO

In numbers:

- 2,085 employes (IPTO Group) all over the country
- 13,670 km total length of transmission lines & cables
 - 12,053km Overhead Transmission Lines (OHL)
 - 1,617km Underground & Submarine Cables
- 359 Substations, 22 HVCs (High Voltage Centres)
- 4,753 km of fiber optic network (land and submarine)

Our network passes through 143 of the 446 protected areas of the Natura 2000 Network in Greece.

Our approach to vegetation management

Under OHLs

- ✓ Inspection takes place once a year
- ✓ Pruning of vegetation along the Right of Way and deforestation near the Towers' bases.
- ✓ Undergrounding in sensitive areas

Within Substations

- ✓ Inspections and management throughout the year

Main concerns & limiting factors

Change of legislation

Until 2020 only pruning was permitted along the Right of Way of OHLs. By Law 4662/2020 cleaning, deforestation, tree cutting and execution of works within the Right of Way of an OHL is permitted for the purpose of fire prevention.

Last February, based on this law an MOU (Memorandum of Understanding) between IPTO SA & Ministry for Climate Crisis and Civil Protection was signed. According to this MOU, IPTO in collaboration with forest authorities proceeded to implement deforestation of the terrain inside the Right of Way, in specific mountainous areas of Attica around Athens.

Environmental restoration in all our new projects

For all new OHL projects, the mandatory environmental terms imposed by administrative authorities, include the reforestation of an area equivalent to the area that it is deforested during a project's construction phase.

IVM (Integrated Vegetation Management)/biodiversity ambitions

- Using drones for vegetation management

We plan to inspect OHLs using drones (including vegetation management). With this in mind, we have certified drone operators and are doing a market research to find appropriate collaborators.

- Pilot project for early detection of forest fires

In 2022, “smart” sensors and cameras were installed for the early detection of forest fires on two axes of the IPTO network on mountain Parnitha. The pilot project was proposed by IPTO to the Ministry of Climate Crisis & Civil Protection and to the Hellenic Fire Service.

- Measures for the protection of the Bonelli’s eagle in south Evia

A tender procedure for the procurement and installation of bird diverters on the conductors of OHLs in South Evia (2 lines) was completed during 2023. It formed part of the Life Bonelli EastMed project for the prevention and control of potential threats to the population of the Bonelli’s eagle in the Eastern Mediterranean.

Thank you for your attention!!!

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