



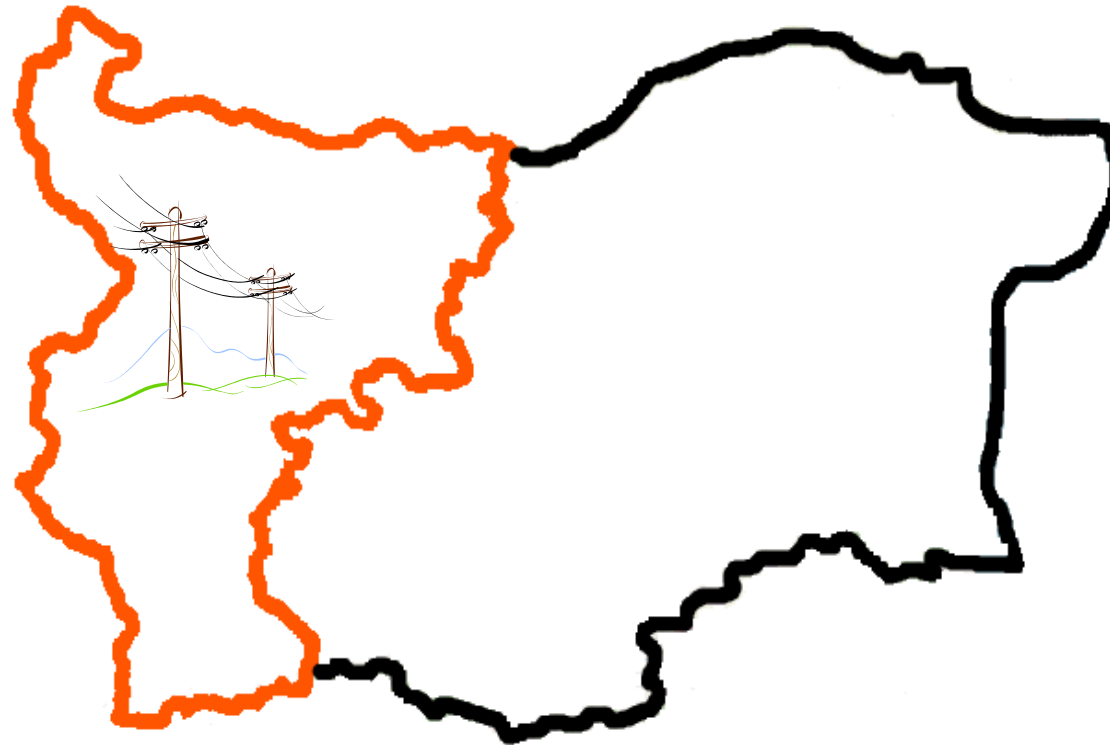
A look into EDG's experience in birds' conservation

Workshop

Bird protection around the grid

Tihomir Topalov
07.12.2023

Electrodistribution grid West, Bulgaria



Territory: 40 000 km²
Network length: ~ 55 000 км
Customers: 2 200 000

GOALS

OBJECTIVES



- *Increasing the security of the electricity distribution grid. The target is less unplanned breaks caused by birds or emergency situations caused by bird.*

- *Increasing the customer trust in the Company*

- *Increasing public awareness*

BIRD PROTECTION MEASURES

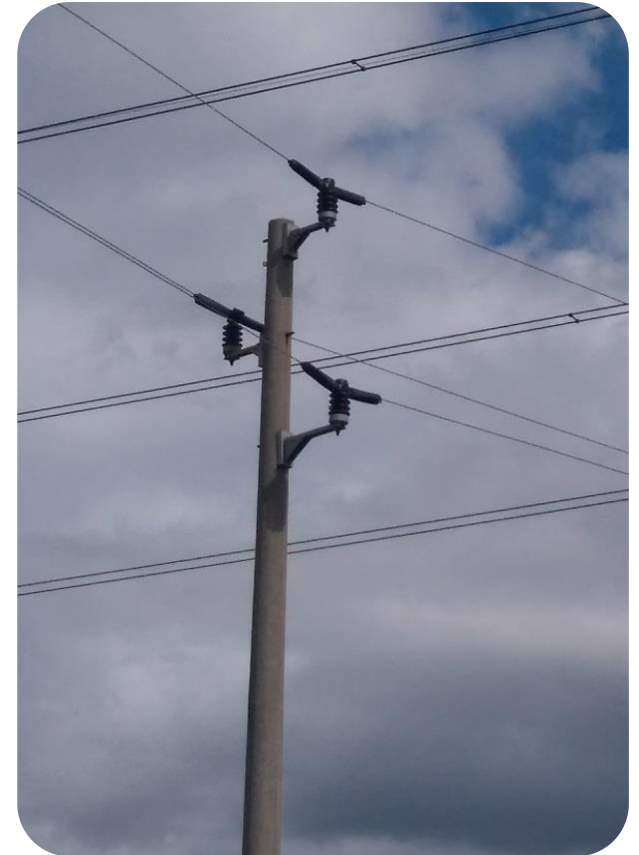
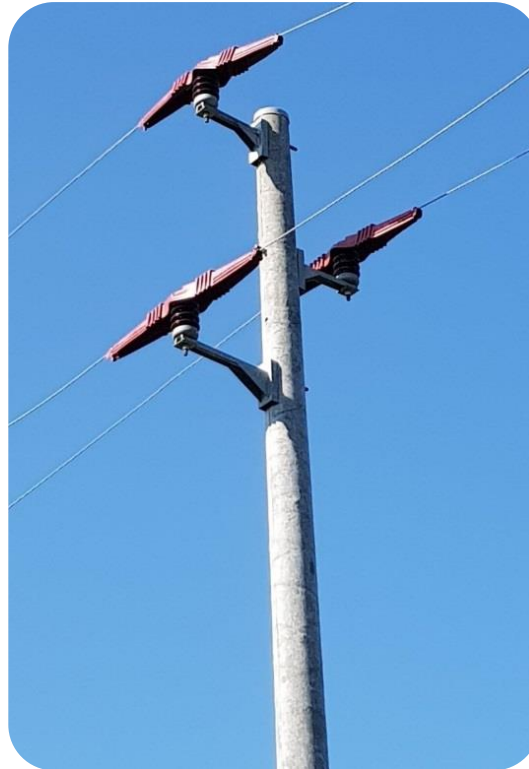
Technical solutions



- Insolation caps and extensions
- Wing spacers
- Bird diverting spikes
- Bird perches
- Bird diverters
- Nest platforms

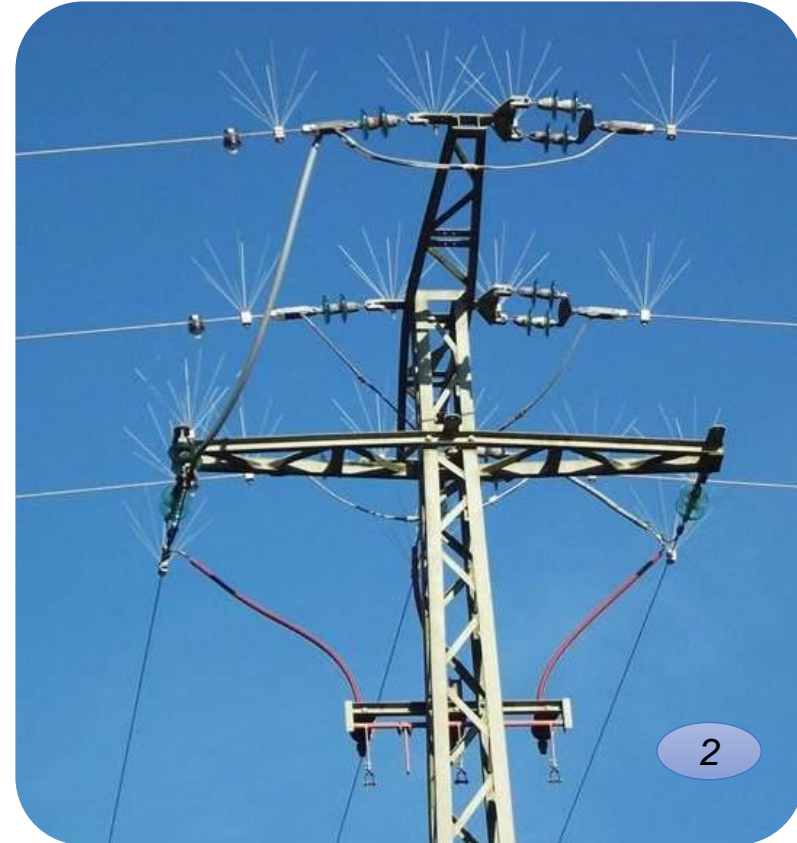
SECURING POLES

- Insolation caps and extensions



SECURING POLES

- ❑ Wing spacers (1) and bird diverting spikes (2)



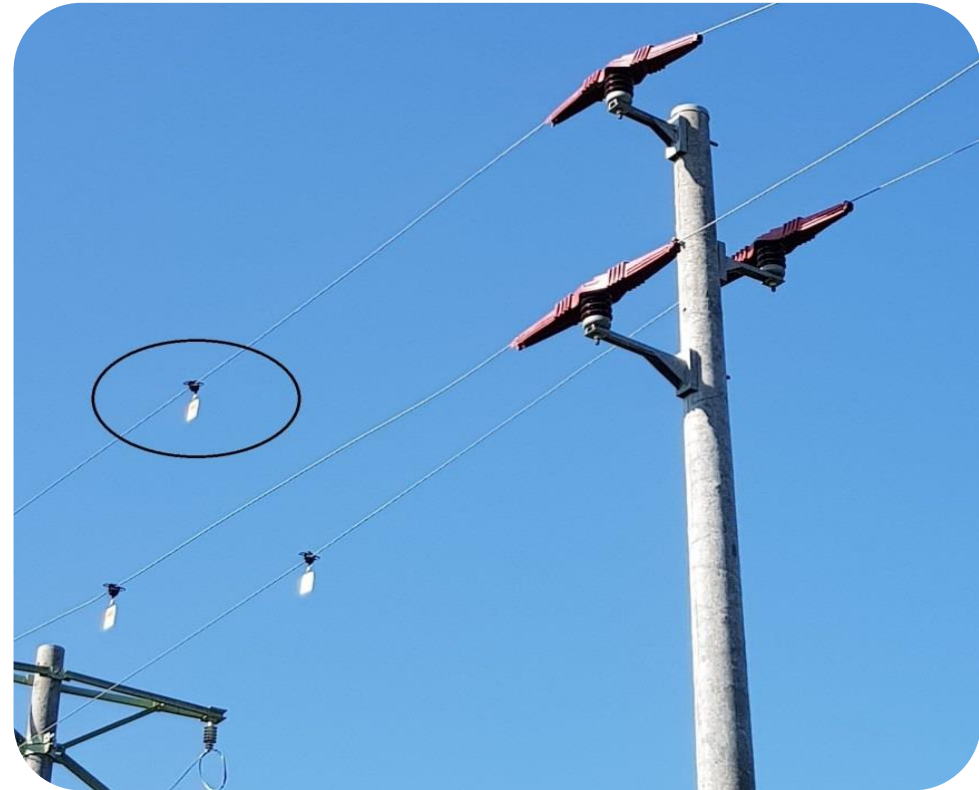
SECURING POLES

- ❑ Bird perches



SECURING POLES

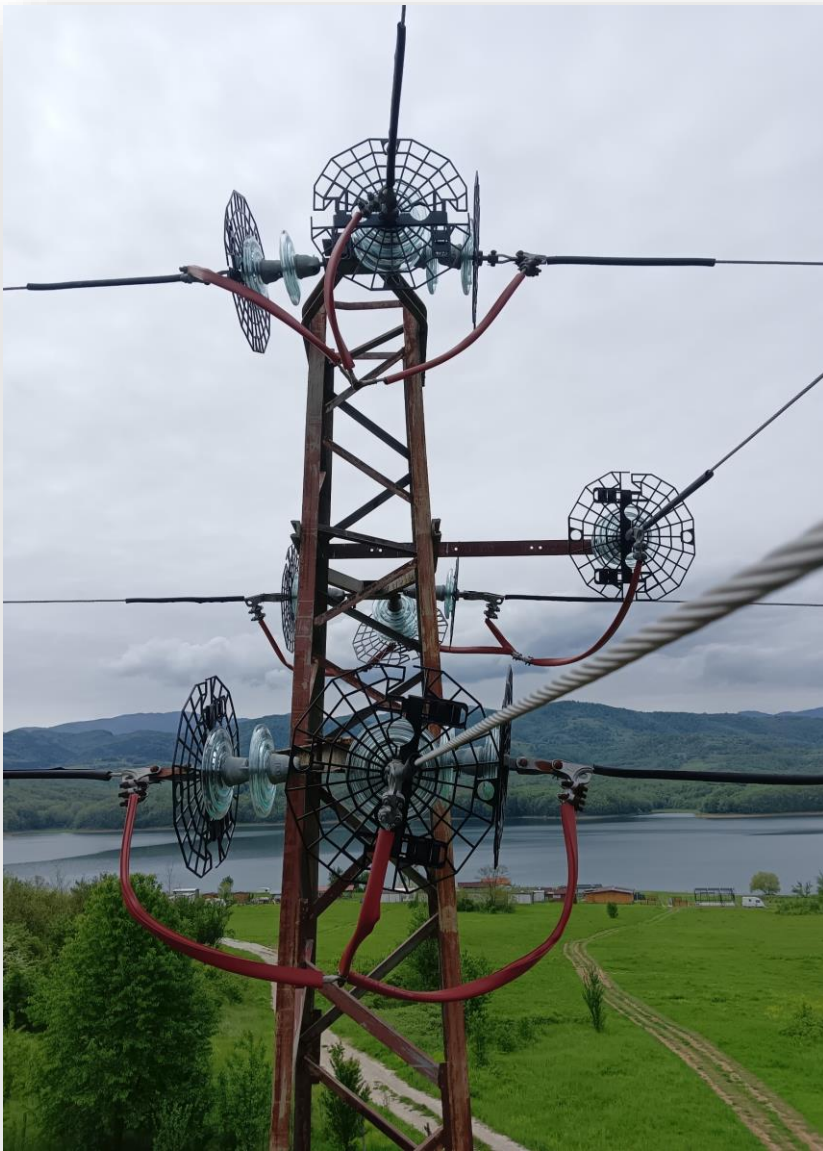
❑ Bird diverters



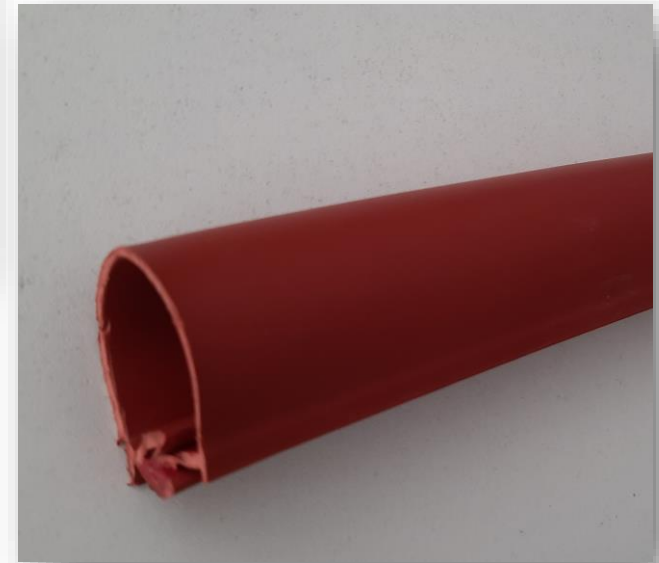
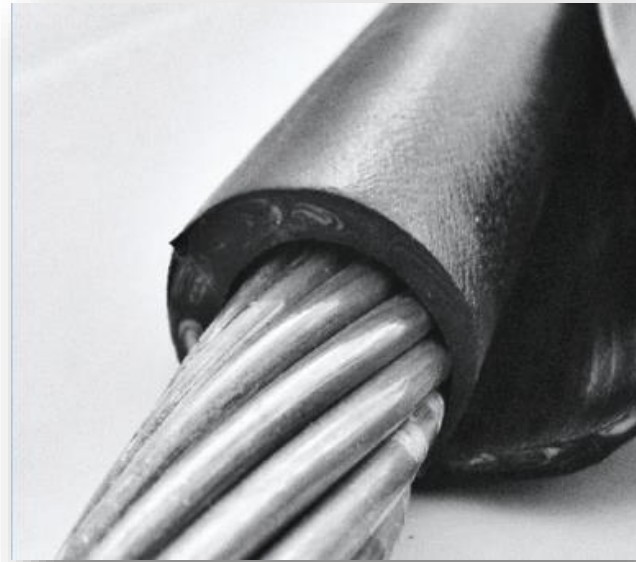
SECURING POLES

❑ Nest platforms





Electrical insulating hose instead of electrical insulating cuff



BENEFITS

Securing the Electrodistribution grid



How to find us?

Address: 1784 Sofia
159 Tsarigradsko shousse
0700 10 010
<https://ermzapad.bg>
klienti@ermzapad.bg

Mariya Georgieva
mariya.g.georgieva@ermzapad.bg

Tihomir Topalov
tihomir.topalov@ermzapad.bg