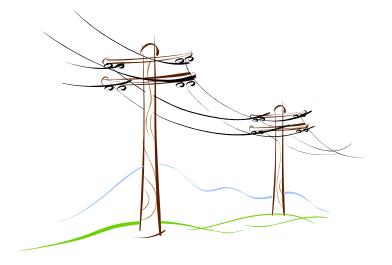


MODERNIZATION AND RECONSTRUCTION OF ELECTRICITY DISTRIBUTION GRID FOR BIRDS' PROTECTION

LIFE16/NAT/BG/000612



28 – 29 June Vilnius, Lithuania Krum Gledzharski Mariya Georgieva

CEZ IS AN INTERNATIONAL UTILITY COMPANY WITH A STABLE MARKET POSITION





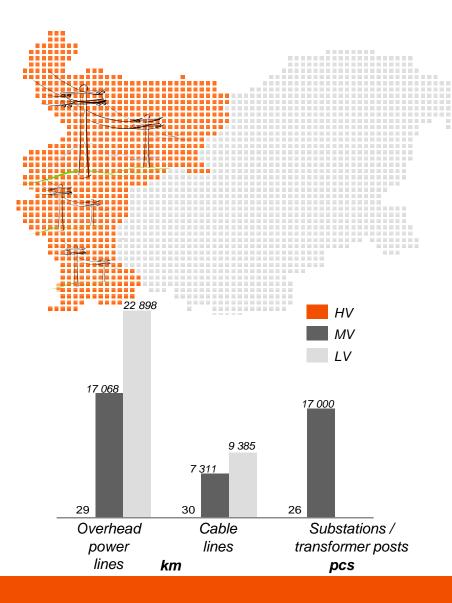
CEZ DISTRIBUTION BULGARIA AD



- □ CEZ Distribution is a joint-stock company with shares distributed as follows: 67% owned by the main shareholder of ČEZ, as, Czech Republic and 33% of the shares traded on the Bulgarian Stock Exchange
- The company's activities are:
- distribution of electricity on the territory of 10 districts in Western Bulgaria including the capital Sofia;
- operation and management of the electricity distribution network;
- construction of new installations for distribution and measurement of electrical energy and maintenance of existing facilities and facilities
- Three-stage control system:
- General meeting of the shareholders,
- Supervisory Board
- Management Board

CEZ DISTRIBUTION BULGARIA IN NUMBERS



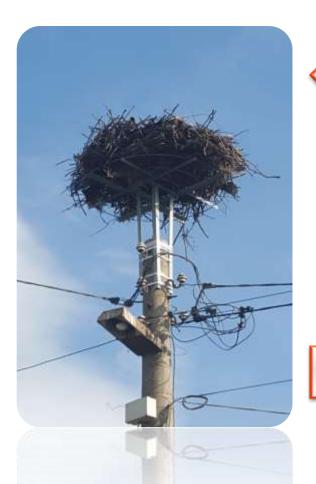




Nº	Equipment	Measure	Till now
1	Substations	pcs	26
2	110 kV overhead lines	km	29
3	110 kV cable lines	km	33
4	Overhead power lines MV	km	17 068
5	Cable lines MV	km	7 311
6	Overhead power lines LV	km	22 898
7	Cable lines LV	km	9 385
8	Transformer posts	pcs	17 000
9	Transformers HV / MV	pcs	49
10	Transformers MV/0.4	pcs	19 200
11	Electrometers	pcs	2 108 145

BIODIVERSITY CONSERVATION POLICY





620 secured nests

50 000 € invested since 2016

502 secured poles





Technical solutions



Insolation caps and extensions

Wing spacers

Bird diverting spikes

Bird perches

Bird diverters

Nest platforms



Insolation caps and extensions

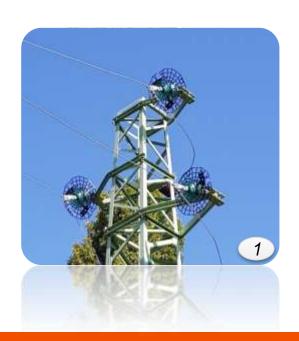








■ Wing spacers (1) and bird diverting spikes (2)







Bird perches







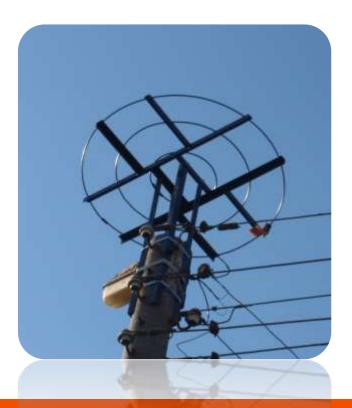
☐ Bird diverters

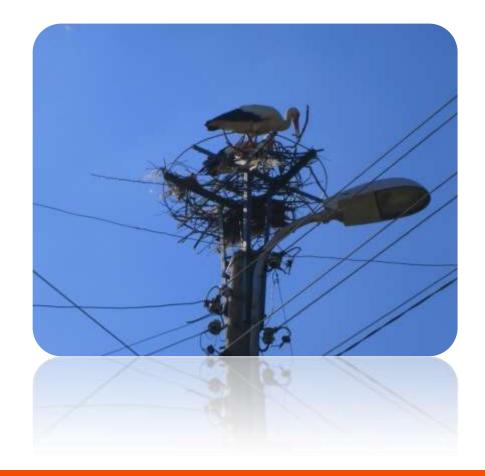






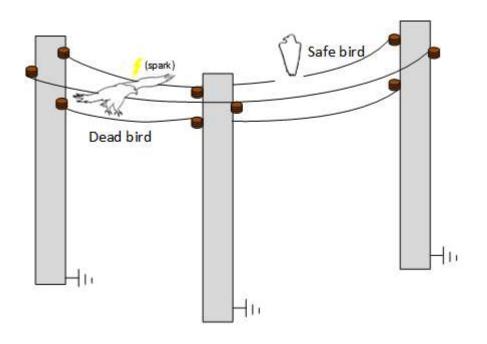
■ Nest platforms





BIRD-FRIENDLY PROTOTYPE POLES





- Development of standards for birdfriendly power lines
- Development, production and testing of bird-friendly prototype pylons:
 - ☐ Lattice-type steel pylons 20 pcs
 - ☐ Concrete poles 20 pcs

FINANCIAL PROVISION



"LIFE BIRDS ON POWER LINES"

LIFE16/NAT/BG/000612







PROJECT TIMEFRAME AND BUDGET



Start: 01.10.2017

End: 31.12.2022

Duration: 63 months

Total budget: **2,647,481 €**

Co-financing from EU: 1,832,933 €

(= 74.95% of total eligible budget)

PROJECT GOALS *LIFE16NAT/BG/000612*



MAIN GOALS

Conservation of the populations of endangered bird species by reducing the mortality caused by electric shocks and collision with overhead power lines

Secure the White Stork' nests in Western Bulgaria

 Reducing the conflict wild birds - power lines and providing more reliable power supply



HOW TO FIND US?



CEZ DISTRIBUTION BULGARIA 159 Tsarigradsko shousse blv. 1784 Sofia, Bulgaria www.cez-rp.bg

Krum Gledzharski @cez.bg

Mariya Georgeva mariya.yaneva @cez.bg

Project:
LIFE BIRDS ON POWER LINES
www.lifebirds.eu