

## POWER PLANT – KIEV ENERGO – UKRAINE

In 2003 the **ZINGA** distributor in Ukraine, **KVVT Vector Technologies**, has signed a contract with **KIEV ENERGO Power Plant** (thermal electric power & heat plant n°. 6) for the anti-corrosion protection of high-voltage power transmission line towers and supports that had been hot-dip galvanised in the late '70's. The total surface to be coated with **ZINGA** was 1 350 m<sup>2</sup>.

The fact that the supports were originally galvanised, made the surface preparation and the application of **ZINGA** much easier.

The residual hot-dip galvanising film thickness was about 50 to 100 µm.

Roughness was determined by sight or by touch and was found sufficient for application of **ZINGA**.

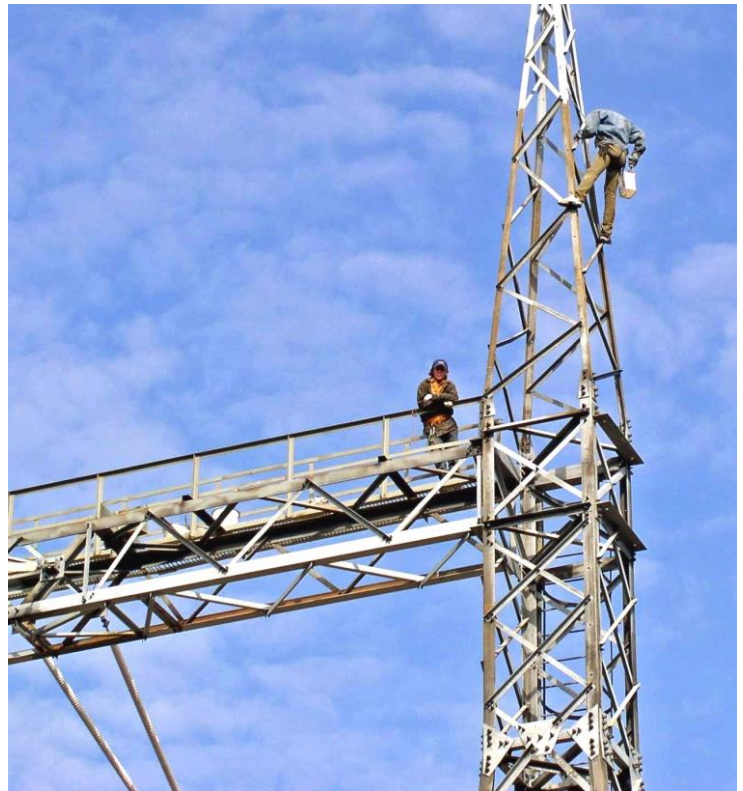
The surface was prepared with the use of a manual cleaning mechanism (electric or pneumatic power grinders).



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The **ZINGA** was applied by brush in 2 layers. The most critical areas were coated with 3 layers. The **ZINGA** specification was 100-120  $\mu\text{m}$  DFT (some measures HDG + **ZINGA** reached  $> 200 \mu\text{m}$  DFT). Preliminary tests showed excellent adhesion of **ZINGA** to the old hot-dip galvanising coating.



Some of the application works were performed at 45 m height.



System:  
Power grinding of HDG  
(electric or pneumatic)  
ZINGA 2 x 50  $\mu\text{m}$  DFT