

Kiev Energo Power Plant - Ukraine



In 2003 the ZINGA distributor in Ukraine, KVVVT, Vector Technologies, has signed a contract with Kiev Energo Power Plant (thermal electric power & heat plant nr. 6) for the anti-corrosion treatment 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 amounting to 1350 m².

System :

ZINGA 2 x 50 µm

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).





The ZINGA was applied by brush in 2 layers. The most critical areas were coated with 3 layers. The total ZINGA film thickness was 100-120 μm . The total zinc coating thickness came to 180-200 μm . The preliminary tests showed excellent adhesion of ZINGA to the old hot-dip galvanising coating.

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

