



## ZUYEVSKAYA THERMAL POWER PLANT - UKRAINE

The Zuyevskaya Thermal Power Plant, near the city of Donetsk, is one of the biggest of this type in Ukraine. It generates 5430 million kW-hours of electricity per year. In September 2003 one of its water-cooling towers was being overhauled, including the all-around anti-corrosion protection and the hydrophobic sealing. In total 3500 m<sup>2</sup> had to be coated with ZINGA.

**System:**

ZINGA      2 x 50 µm

These pictures were taken on 04/10/03 during an inspection by the supplier of ZINGA, the company KVVVT, Vector Technologies.





The surface preparation was done by sand-blasting followed by blowing. The Zinga coating was applied with brushes and rollers, with welding seams painted twice. ZINGA was applied in two coats.



The surface of all metal structures was very rough and deeply corroded. The resulting surface finish after sand-blasting was very rough and uneven, all dappled with cavities, grooves, indents and pits. But all those indentations and cavities were cleaned up, blasted and coated with ZINGA.



The minimum coat thickness was 80  $\mu\text{m}$  and the maximum thickness was 130  $\mu\text{m}$ . The adhesion was perfect.