

## Lufeng Jiahuwan Power Plant – CHINA

World's largest coal-fired power plant (8 x 1000 MW) located at south-eastern coast of Guangdong Province, China's heavy duty economic powerhouse.

4 equal phases scheduled to be built over 8 years, commencing June 2016, each of 2 x 1000 MW output and with state-of-the-art technology for reduction of carbon emissions.

Each phase requires 45,000 tons of structural steelworks.

**About 64% of the steel has been coated with ZINGA® as unique system @ 2 x 75 = 150 µm.**

The total ZINGA® consumption was about 321 tons.

The smaller-sized steel members, or 16,200 tons in total, were protected by HDG.

Main contractor was **Shanghai Boiler Works Co.**, to whom **Shanghai Electric Group Co.** is part of.



### Distinct features coated with ZINGA:

Giant flank beams, each measuring 45m x 4m x 1.5m, 50mm in thickness and 180 T in weight &

mega flank beams each measuring 45m x 8m x 1.5m, 50mm thick and weighs 360 T.





Coal bunkers – 12 huge units of heavy dispensers (63T each) for coal, all fabricated and coated with **ZINGA** on the Lufeng site.



The coating works started in June 2016 and were finished in August 2018.

Coating supervision & inspection services– stipulated as mandatory by the client and strictly complied with by Zingametall & Primo Corporation from start to finish.

The commissioning and official opening of the Lufeng Jiahuwan Power plant (Phase 1) was held on 15 April 2019.



**Surface preparation:** Blast cleaning to Sa 2.5  
**Surface blast profile:** Rz 50 – 90  $\mu$ m  
**System:** ZINGA 2 x 75  $\mu$ m DFT