

Tanjung Jati Power Station, Indonesia Lifting of 2 High Stack Liners

Client: PT Truba Jurong Engineering
Main Contractor: Mitsubishi Heavy Industries
Project Period: Oct 2004 - March 2005



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POWER 20



Above: The first can delivered to site to be lifted

Below: Arrangement of jacks and jack supports at top of the structure



Fagioli PSC provided sixteen L100 jacks for the lifting of two 240m high stack liners within a single windshield. Total weight of each column liner is 390te and is chain lifted by eight L100 jacks. The lifting capacity Fagioli PSC supplied is 480te per column liner based on eight jacks, 4-part strand cables per jack at 15te lifting capacity per strand.

The lifting was controlled by a L8/3E power pack at the top of the structure for synchronous lifting. 8 jacks can be controlled by the power pack at any one time at a lifting speed of 4m/hr. As the lifting operations of the liners are carried out at different times, the same power pack could be used to control the lifting works for both liners.

Chain lift method was employed for this lifting. Each liner consists of 29 cans weighing approximately 14te each. Relocation of strand cables is required after 15 cans were lifted and its weight supported by the windshield. Strand cables will be relocated to the ground for lifting of the 16th can; the lifting procedure continued till the liner is completed and connected with the 15 cans above.

Below: Power pack positioned between 2 liners

