

Lifting of HRSG Boiler Modules 400MW Power Station, Tocopilla, Chile

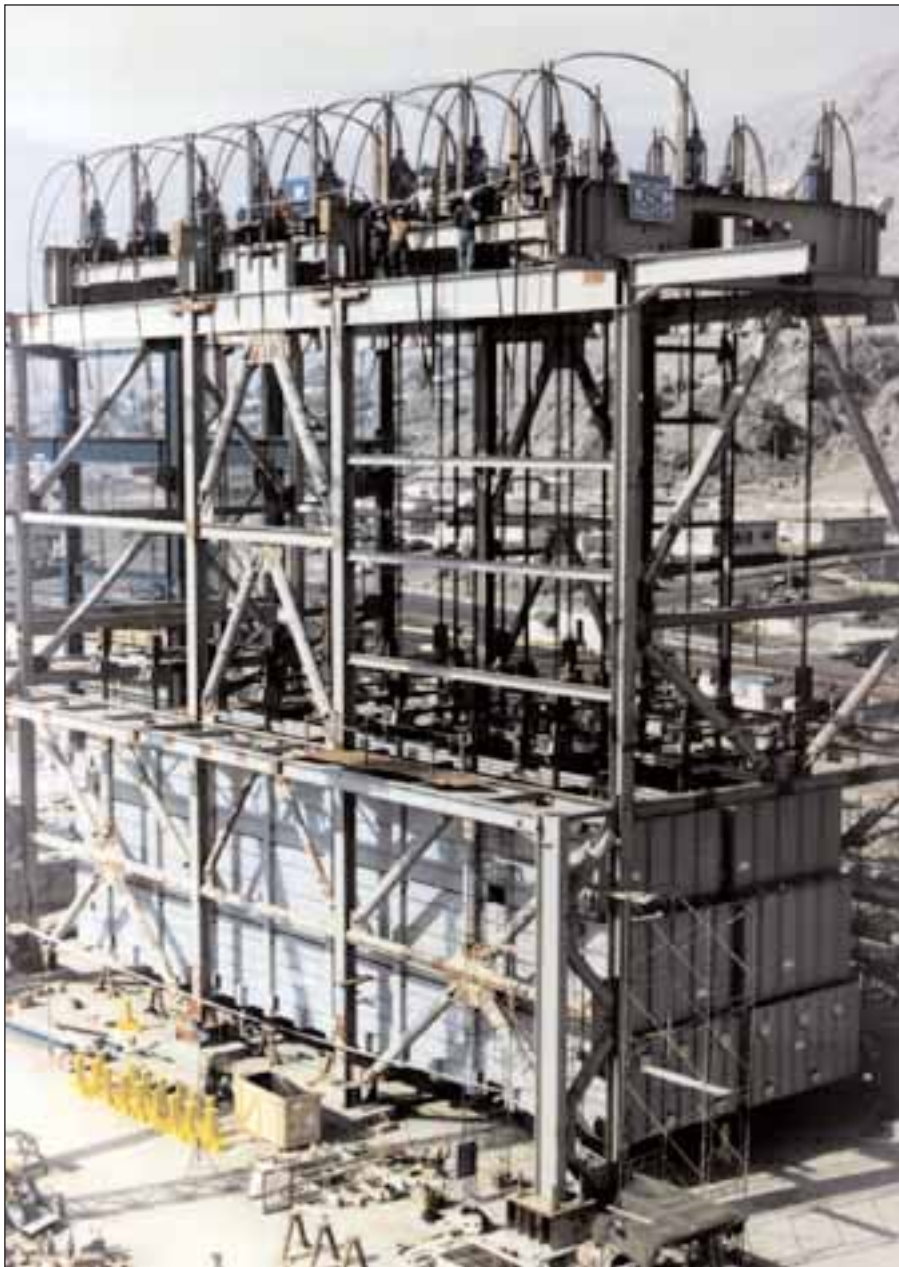
Client: Electroandina

Contractor: Salfa Montajes



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POWER 05



Fagioli PSC performed this synchronised lift of horizontal boiler modules to within extremely tight tolerances set by the client. The modules, designed by CMI and ideally suited to installation with a strand jack system, weighed approximately 1200 tonnes during the final lift.

The clearances within the permanent structure required maximum stiffness to be maintained across the linked modules during the lift. To achieve this, twenty four 105 tonne capacity Fagioli PSC L100 strand jacks were mounted on temporary beams on top of the permanent structure in three rows of eight jacks, and connected via fixed anchor housings and pins to the modules. Two Fagioli PSC L12/8E powerpacks connected to the jacks provided synchronisation of the lift system throughout the 21 metre lift. As with all Fagioli PSC powerpacks, the design of the internal hydraulics automatically allows for synchronisation across all the jacks in the system.