

Schkopau Power Station, Germany.

Lifting of boiler house roofs, boiler walls and tube banks.



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POWER 02



Kraftwerk Schkopau is a two plant, 900 MW, lignite fired power station, and was the first of the new “clean” stations built as part of the infrastructure upgrading in the eastern part of Germany.

In the erection of the two boiler houses, Fagioli PSC undertook 22 lifts totalling over 8,300 tonnes.

The largest lifts were the two boiler house roofs, comprising main support beams, boiler top elements and general service crane. Each weighed over 1,000 tonnes and was lifted from its ground level assembly position to final position at level + 132 metres by means of four No. L300 Fagioli PSC Strand Jacks.

Boiler front, back and side walls, and boiler tube banks accounted for the remaining lifts in pieces from 110 to 400 tonnes each.

Below: Fagioli PSC L300 jack on support beam spanning the inner corner of the roof. The strand guide over the jack supports the weight of the 140 metres long, 19 strand lift cable to relieve the jack piston of side load.

Left: halfway stage of lifting the 1,000 tonnes roof steelwork of boiler 2.



SUMMARY OF HEAVY LIFTS

Unit	No.	Unit Weight	Lift Arrangement
Boiler house roof	2	1,000 tonnes	4 No. PSC L300
Boiler side walls	4	110 tonnes	4 No. PSC L50
Boiler front and back walls	4	270 tonnes	6 No. PSC L100
Boiler tube banks	12	400 tonnes	6 No. PSC L100