Erection of waste heat recovery boilers.

Client: Siemens AG for Powergen PLC
Contractor: Babcock Construction Ltd. for Babcock Energy Ltd.

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POWER 01

Fagioli PSC Ltd. supplied strand jacks on hire with a supervisor/operator to Babcock Construction Ltd for the erection of 4 waste hot recovery boilers, eight steam drums and four silencers at Killingholme 'A' Power Station.

This job sheet describes the typical procedure for the boiler erection.

Each of these top-hung boilers is constructed of four vertical strings of five boiler tube bank modules.

Each module was transported from the Babcock Energy factory at Renfrew by road and delivered vertically beneath its final position.

Fagioli PSC strand jacks, mounted upon temporary cill beams which spanned the permanent support twin plate girders, were used to lift the modules into place.

The compact size of Strand Jacks, their cables, and their cable terminations enabled their conjunction with the boiler permanent support steelwork and simplified the process of "chain lifting".

Top: last module of second string during delivery and hook-up.

Left: first module of third string connected to jacking system.

Right: two L50 strand jacks paired together on jack support steelwork.

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