

Combined Cycle Power plant, Tapada do Outeira

Client: Siemens AG, Power Generation Erlangen, Germany



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POWER 19

Fagioli were awarded a contract by Siemens AG for the door to door transportation of a complete combined cycle power plant with a shipping volume in excess of 12,000 cubic metres and heavy lift components weighing up to 320 tonnes.

The transportation was carried out utilising only equipment from the Fagioli group of companies and involved the following:

- Transport of general cargo, mainly by road but some by rail.
- Transport of over-dimensional cargo by road using special trailers.
- Barge transport (from Berlin and Muelheim) of heavy components followed by transfer to heavy lift ship and finally self-propelled modular trailers (SPMTs).

Below: Fagioli's river barge 'Susanna' had to be modified in order to pass through a narrow lock on the river Douro.



Above: The Fagioli River barge 'Susanna' on the river Douro which presented variable sand banks that made navigation particularly difficult.

- River transport using Fagioli's river barge 'Susanna' which had to be modified to fit the narrow lock on the River Douro.
- Technical support by Fagioli for the strengthening of the off-loading jetty at site.
- Final placing onto foundations of the heavy components using Fagioli's hydraulic gantries.

The jetty of the power plant also had to be modified and reinforced in order to allow the roll-off operation of the heavy lift components. This was undertaken with the technical support of Fagioli. The positioning operations at the job site were performed by Fagioli's heavy lift hydraulic gantry crane (**see below**).

