

ENEL Repowering Project



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Client: Siemens AG, Power Generation Offenbach, Germany

POWER 18

During 2002, ENEL (the main electricity producer of Italy) carried out the upgrading of five of their power plants in Sicily, Tuscany and Lazio. The technology and equipment for these upgrades was provided by Siemens AG of Offenbach, Germany who contracted the transportation (FAS) of five complete Power Plant Econopacs to Fagioli SpA. These Econopacs had a total shipping volume of approximately 22,000 freight tons and included heavy lift components up to 310 tonnes. This equipment was transported from five North European ports to three Italian ports. These operations included the following items:

- General road, rail and air cargo.
- Sea and river barge transports.
- Nautical engineering.
- Roll-on and roll-off (Ro-Ro) operations.
- Load-on and load-off (Lo-Lo) operations.
- Marine heavy transport using the Storman Asia (a Fagioli owned vessel with two 400 ton capacity derricks).
- Road heavy transport using Self-Propelled Modular Trailers (SPMTs)
- Final positioning of the heavy items (turbines and generators) using Fagioli's hydraulic gantry cranes.



Above and below: Fagioli's ship 'Storman Asia' lifting one of the heavy lift components onto a SPMT using one of the Derrick cranes. The Derrick cranes have a capacity of 400 tonnes each.

Below: Generator loaded onto SPMT's

