AIR COOLED FLUIDIZED BED COGENERATION PLANT

Fact Sheet

Project Information

Grant agreement ID: CS.-00281-86

Project closed

Start date
1 January 1986

End date
31 January 1992

Funded under
Programme (EEC) of demonstration projects and industrial pilot projects (EEC) in the energy field, 1985-1989

Total cost
€ 2 989 266,00

EU contribution
€ 1 195 706,00

Coordinated by
SNAMPROGETTI SPA
Italy

Objective

To demonstrate the possibility of utilizing a new technology for the production of energy at competitive costs for the construction of low and medium capacity combined cycle cogeneration plants with desulphurizing air-cooled atmospheric (AFBC) and pressurized (PFBC) fluidized bed combustors. This process is characterized by a high thermodynamic efficiency any by a gas turbine cycle fed by solid fuels in compliance with EEC "COM 85 (47) def" antipollution regulation.

The project is relevant to a cogeneration plant energized by an air cooled atmospheric or pressurized fluidized bed, burning low grade solid fuels (high sulphur

and/or ash content). The technology has an overall efficiency higher than the conventional power plant in compliance with EEC "COM (85) 47" antipollution regulation.
The investment cost of the project is not comparable with conventional cogeneration plant, for the proposed one is the "first of a kind" with many areas to be investigated/developed. It is estimated that even yet not fully developed the plant will result in an energy saving of 2520 TOE/year when compared with the actual consumption of the plant in which the proposed cogeneration system will be installed.

Programme(s)

ENG-ENDEMO C - Programme (EEC) of demonstration projects and industrial pilot projects (EEC) in the energy field, 1985-1989

Topic(s)

8.4 - USE OF PULVERIZED SOLID FUEL

Call for proposal

Data not available

Funding Scheme

DEM - Demonstration contracts

Coordinator

SNAMPROGETTI SPA

EU contribution

No data

Total cost

No data

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