



TECHNICAL TOUR 1: LINATE AIRPORT

Owner/Operator: Wartsila

Date: Monday 6 June 2011

Meeting Time: 11:00

Meeting Point: Registration area

Duration: Approximately 5 hours

Cost: €90

In June 2007, Wärtsilä and EuroPower SpA commenced operation of a 24 MWe combined heat and power (CHP) plant at Liniate airport, Milan in Italy. The combined heat and power plant is equipped with three Wärtsilä 20V345G gas-fuelled generating sets, together with their ancillary equipment, exhaust heat recovery economizers and two gas-fired boilers.

The plant operates on base load providing both electricity and heating. The heat output of the plant is 82 MWth in winter and 72 MWth in summer, with a year-round electrical power output of 24 MWe. The heat recovery system for the three engines is designed to maximize heat recovery for district heating services and in the future for the air conditioning of airport buildings. This full climate control system is typically referred to as a trigeneration installation. The plant also delivers electricity to the Italian national grid.

TECHNICAL TOUR 3: FERRERA ERBOGNONE



TECHNICAL TOUR 2: TURANO POWER PLANT

Owner/Operator: Sorgenia

Date: Monday 6 June 2011

Meeting Time: 09:00

Meeting Point: Registration area

Duration: Approximately 5 hours

Cost: €90

The Turano Lodigiano power plant, situated near Lodi in Northern Italy is owned by Sorgenia SpA. In April 2008 Ansaldo Energia was awarded the EPC contract to build the power plant on a turnkey basis with a Long Term Service Agreement (LTSA) to maintain the two gas turbines and relative generators. The plant was handed over to the customer in November 2010.

The power plant comprises a combined cycle with two gas turbines (AE94.3 A) and a steam turbine (2+1 configuration), delivering a nominal output of 800 MW. The base load efficiency measured during testing was higher than 57% with CO and NOx emissions much lower than 30 mg/Nm³. Furthermore the plant has been designed to deliver maximum operating flexibility in accordance with legal atmospheric pollutant emission criteria. The customer can vary load on a daily basis in peak hours and the weekend.

Owner/Operator: EniPower

Date: Monday 6 June 2011

Meeting Time: 09:00

Meeting Point: Registration Area

Duration: Approximately 5 hours

Cost: €90

EniPower's Ferrera Erboگونه power plant is located near Sannazzaro Dè Burgondi Eni refinery, around 60 km from Milan.

The total installed capacity is 1030 MW accounting for approximately two per cent of Italy's power demand. It consists of two 390 MW Combined Cycle Gas Turbine (CCGT) units burning natural gas and one 250 MW CCGT, using a mixture of natural gas and syngas.

The plant provides power and steam to the nearby refinery and power to the transmission grid. Since 2006 it has received syngas from the nearby refinery tar gasification plant.



TECHNICAL TOUR 4: CAORSO NUCLEAR POWER PLANT

Owner/Operator: Sogin

Date: Monday 6 June 2011

Meeting Time: 09:00

Meeting Point: Registration area

Duration: Approximately 5 hours

Cost: €90

The Caorso nuclear power station, the last to be commissioned in Italy, features a decommissioned GE/Ansaldo 850 MWe boiling water reactor near the town of Piacenza, Emilia-Romagna.

Construction began in 1970 and first power was May 1978. The plant, with an efficiency of 33 per cent, was fully operational only for a very short period from 1981 to 1986. The plant entered scheduled maintenance for refueling in November 1986 but it never restarted following the 1987 referendum, which put a halt to Italy's nuclear operations.

Decommissioning at Caorso commenced in October 1998 and the site is scheduled to reach "green field" condition by 2017. The reactor has now been defuelled and sixteen shipments corresponding to 61 casks, or 190 tonnes, of spent nuclear fuel have been sent to Areva's La Hague reprocessing facility in France.

Technical tourists will be able to view the turbine building, which is almost completely dismantled, as well as the new radioactive waste management facilities installed by Ansaldo Energia



TECHNICAL TOUR 5: RSE DISPERSED GENERATION TEST FACILITY

Owner/Operator: RSE - Ricerca sul Sistema Energetico

Date: Monday 6 June 2011

Meeting Time: 13:00

Meeting Point: Registration area

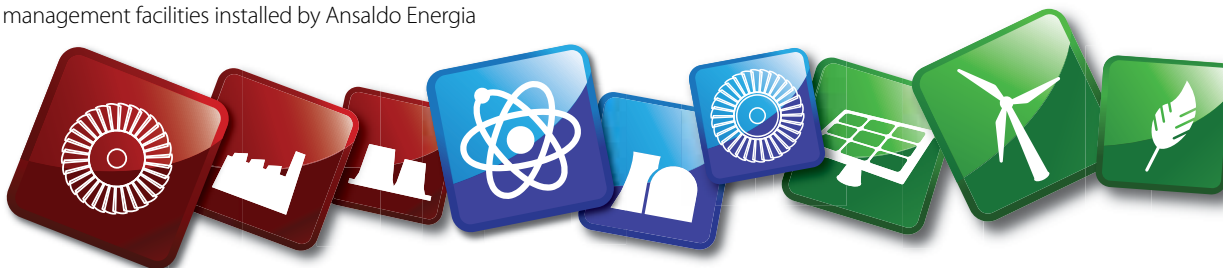
Duration: Approximately 5.5 hours

Cost: €90

RSE carries out research in the field of electrical energy with a special focus on national strategic projects funded through the Fund for Research into Electrical Systems. As a publicly-controlled company - the sole shareholder is GSE S.p.A - their activities cover the entire electricity supply system with an application-oriented, experimental and system-based approach.

RSE has a unique heritage of human resources, experience and innovation, essential to the continuity and revival of innovation in this important sector for the country.

As part of this tour you will have access to RSE's CHP/CCHP plants featuring microturbines and gas engines, the DC electrical storage facility and the dish-Stirling and photovoltaic solar installations, as well as the hydrogen and fuel cells laboratory.



Early booking is advised and places are strictly limited, on all technical tours

Please note:

- All attendees must have paid for the technical tour before Friday 6th May or their registration may be cancelled.
- All attendees will have to provide the required additional information requested (a form will be sent to you upon following registration) by Friday 6th May or will not be granted access to the plant.
- No onsite registration will be available.