



Application Description

San Nazzaro refinery produces about 45 fuel varieties including LPG, high-purity butane, propane / butane mixtures, petroleum products, kerosene, diesel, jet fuel, bunker fuel, bitumen and sulphur. Its production capacity is about 3.3 million tons of petrol, 1.2 million tons of jet fuel and 3.4 million tons of diesel a year.

Location – Country

Turin-Milan-Genoa industrial triangle, in Italy's Po Valley – Italy

Camuna Cavi products

Description

The application uses different types of cables: Instrumentation, Control Cables, Thermocouples.

Here we may mention their basic characteristics: two or three cores cables, stranded and twisted wires, over shield, galvanized steel armour, fire retardant, low emission smoke. Some are multi-cables pairs, overall shield, galvanized steel armour, flame retardant or fire resistant.

Standards and Approvals

ENI internal Standard STD.SM.MAT.041 Rev. 0 and STD.SM.MAT.042 Rev. 0

Certification

Documentations Test report, Declaration of Conformity, Witness Inspection activities and Technical Book.

Project Implementation

The projects consists of a supply of Instrumentation, Control Cables, Thermocouples.

Other information

ENI slurry Technology

Eni has invented a new oil process EST (Eni Slurry Technology), able to totally convert all traces of oil, heavy crude and tar sands into fuel of high quality and performance.

The EST technology is the first Italian scientific and technological discover in the oil refining sector.

The technology enables San Nazzaro to become a **zero fuel oil refinery** (a standard of excellence related to the technology and the quality of fuels). It is one of the most advanced in the world to date, it is capable of producing a high environment-compatible gasoil thanks to the significant investments made by Eni in last 5 years.

The decision Makers

Investors: ENI

Design & Engineering : SAIPEM

Installation: Refinery of San Nazzaro

Vendor lists:

Main contractors for this project: *GE Oil & Gas* (GE Oil & Gas), *Siirtec Nigi* (EPC contractor and technology supplier for the sulfur recovery unit)

Subcontractors: *Oyster Progetti* (piping, civil works, mechanical, electrical, instrumentation and process control for the unit).

Other contractors:

Sices Group: mechanical, insulation and painting works for different units at the refinery

Cortem: lighting fixtures, control stations, poles, fittings and panel boards

Eletra Progetti: plant control systems

Cemp: flame-proof motors for various units

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