

Project of common interest:

2.5.1

Electricity interconnection

North-South electricity interconnections in Western Europe

COUNTRIES INVOLVED

France (FR)
Italy (IT)

PROJECT PROMOTERS

Terna - Rete Elettrica Nazionale SpA (IT)
<http://www.terna.it/>
RTE - Réseau de Transport d'Electricité (FR)
www.rte-france.com

BASIC TECHNICAL DATA

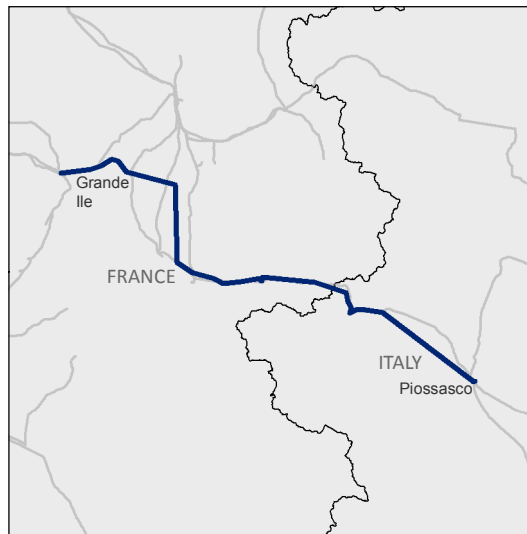
Capacity: 1200 MW
Voltage: 320 kV
Length: 190 km

LOCATION

Grande Ile (FR) to Piosasco (IT), via Frejus motorway tunnel

COMMISSIONING DATE

2019



— PCI 2.5.1 - Electricity line
— Existing power grid



Source: PLATTS, GISCO, European Commission

Definition

2.5.1 - Interconnection between Grande Ile (FR) and Piosasco (IT) [currently known as Savoie-Piemont project]*

Cluster

PCI 2.5.1 - belonging to cluster 2.5: Cluster France - Italy between Grande Ile and Piosasco

Type of technology employed

New 190 km HVDC (VSC) interconnection between Grande Ile (FR) and Piosasco (IT) via a 320 kV underground cable and converter stations at both ends (two poles, each of them for a 600 MW power capacity). The cables will be laid in the security gallery of the Frejus motorway tunnel and mainly along the existing motorways.

Implementation status

Under construction

LAST UPDATE

March 2018