



European  
Commission

Project of common  
interest:

2.14

PCI fiche

## Interconnection between Thusis/Sils (CH) and Verderio Inferiore (IT) [currently known as "Greenconnector"]

### North-South electricity interconnections in Western Europe

**CATEGORY**  
Electricity

**CLUSTER**  
n/a: n/a

**COUNTRIES CONCERNED**  
Switzerland(CH)  
Italy(IT)

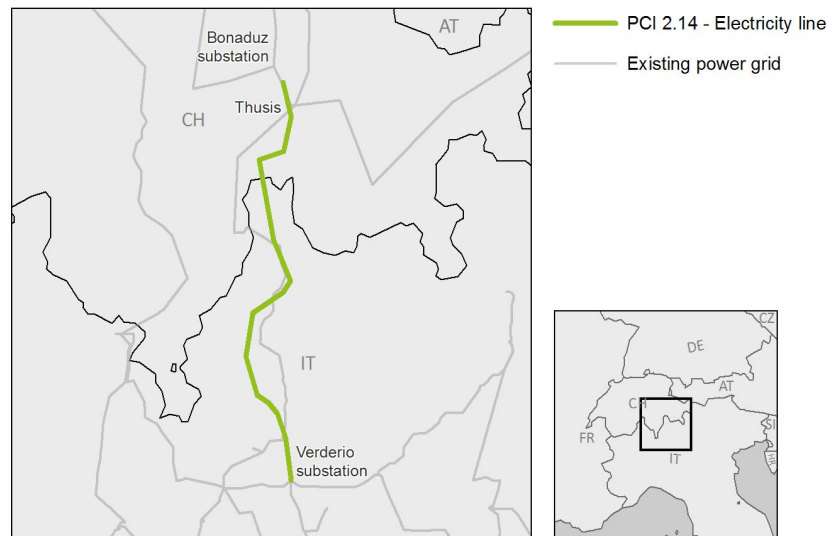
**PROMOTERS**  
Greenconnector AG  
Greenconnector Srl  
Worldenergy SA

**PCI WEBSITE(S)**  
<http://www.greenconnector.it/en/index.html>

**LOCATION**  
Verderio Inferiore, near  
Milano (IT) to Thusis,  
Graubünden Canton (CH)

**COMMISSIONING DATE**  
12/2026

**LAST UPDATE**  
March 2023



Source: PLATTS, GISCO, European Commission

#### Technical description

A +/- 400 kV HVDC cable interconnector of 165 km, 45 km in Switzerland and 120 km in Italy (of which 47 km under Como lake) and with a capacity of 1000 MW (1200 MW continuous overload) between Verderio Inferiore, near Milano (IT) to Bonaduz, Graubünden Canton (CH) (onshore). Great part of the cables route will exploit a section of an existing oil pipeline, no longer in service since January 1997 and that crosses the Italian and Swiss border at Splügenpass and is running close by the two grid interconnection points of the Greenconnector project (Bonaduz in Graubünden and Verderio Inferiore, Lecco).

Energy

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