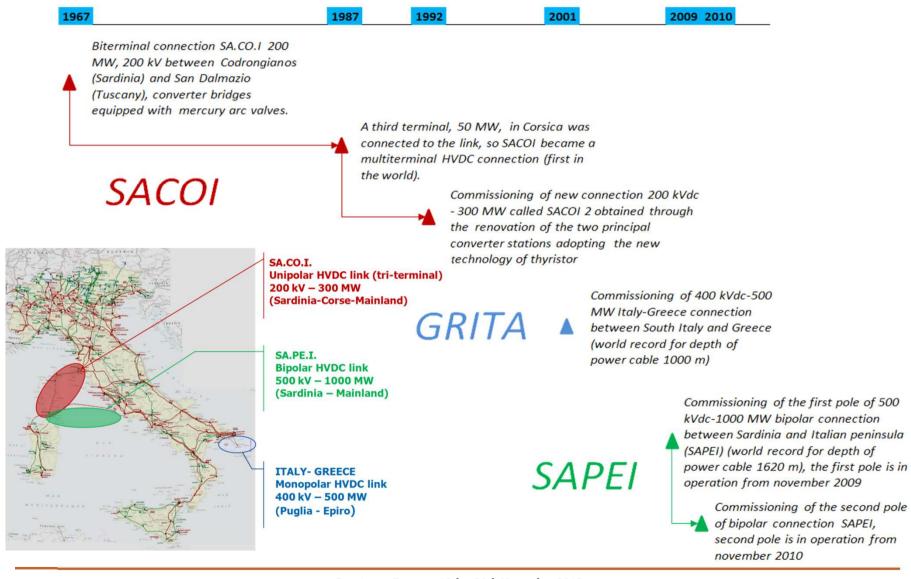


Existing HVDC links in Italy

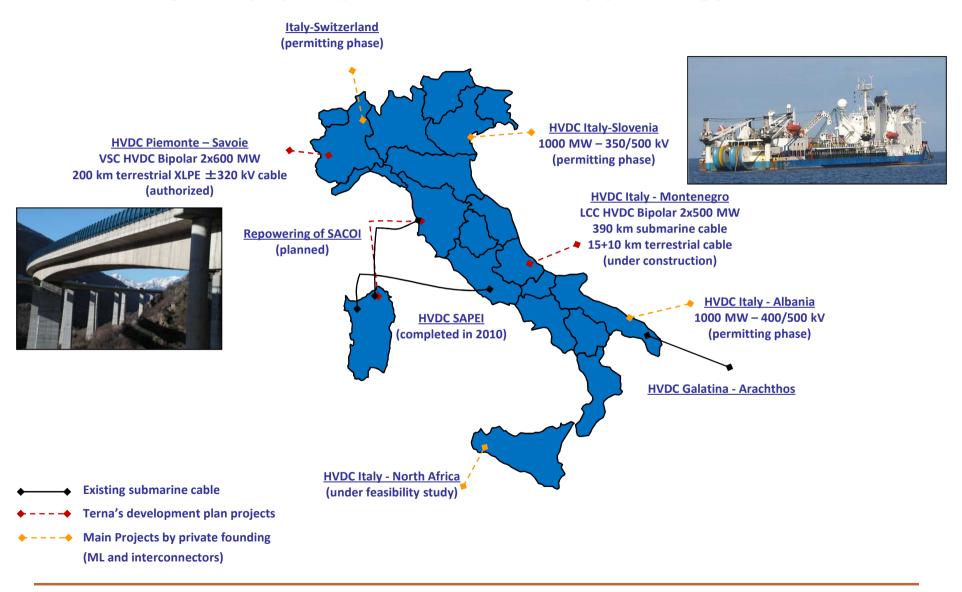
TERNA's experience on HVDC systems





Future HVDC links in Italy

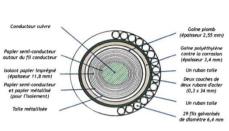
Incoming HVDC projects (planned, under feasibility, permitting phase, authorized)





Cables types of the Italian HVDC links

Used models of cables



SA.CO.I.			
	MARINE	TERR.	
Nominal Voltage [kV]	200	200	
Nominal Current [A]	750	750	
Maximum depth [m]	450		
Insulation Type	MIND	MIND	
Cable Section [mm²]	Cu 420	Cu 1080	



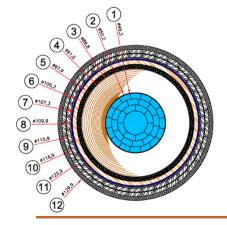
GR.ITA			
	MARINE	TERR.	
Nominal Voltage [kV]	400	400	
Nominal Current [A]	1250	1250	
Maximum depth [m]	1000		
Insulation Type	MIND	SCFF	
Cable Section [mm ²]	Cu 1250	Cu 1200	



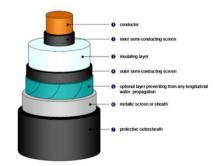


SA.PE.I.					
	LOW DEPTH	HIGH DEPTH	TERRESTRIAL		
Nominal Voltage [kV]	500	500	500		
Nominal Current [A]	1000	1000	1000		
Maximum depth [m]	400	1640			
Insulation Type	MIND	MIND	MIND		
Cable Section [mm²]	Cu 1000	Al 1150	Cu 1400		





MON.ITA			
	MARINE	TERR.	
Nominal Voltage [kV]	500	500	
Nominal Current [A]	1200	1200	
Maximum depth [m]	1200		
Insulation Type	MIND	MIND	
Cable Section [mm²]	Al 1900	Cu 1900	



Piemonte - Savoie		
Nominal Voltage [kV]	320	
Nominal Current [A]	950	
Length [km]	200	
Insulation Type	XLPE	
Cable Section [mm²]	Al 2500	