HVDC Transmission
Operation experience and technological development for wider applications in Italy and abroad

May 29th, 2014 | Auditorium CESI, Via Rubattino 54 Milan | Italy

OVERVIEW

Five years after an AEIT workshop held in Rome in 2008, High Voltage Direct Current (HVDC) transmission draws an ever increasing interest of Transmission System Operators in Italy, Europe and abroad all over the world.

Major developments in technology make HVDC more reliable, easy to apply and operate and economically affordable.

Wider applications are now possible and a lot of projects are under development in the world, making HVDC even a more interesting business than before also for manufacturers and engineering companies.

The following topics are within the scope of Workshop:

- HVDC link operation experience.
- Outlook of HVDC projects: planned and at design and construction stage.
- Last, ongoing, and next coming developments in HVDC technology (converter stations, cables, overhead lines).
- Market prospective.

Qualified representatives of TSO (Terna), manufacturers (ALSTOM, Prysmian Siemens, Toshiba), engineering consulting firm (CESI) and research centre (RSE) will present their experience and developments and their mind about future applications.

Most presentations will be in English.

Participation is expected of representatives of electrical and electromechanical industries, consultants, engineering companies, research centres etc. Discussions and request of clarifications will be welcome.

A course on HVDC technology, application and impact into the transmission network will be held next fall.
PROGRAMME

9.30 - 10.00 Registration of participants
10.00 - 10.20 Welcome to participants and introduction of the Workshop

SESSION I
Chairman: Antonio Ardito
10.20 CESI • Increasing role of HVDC: some mid, long term scenarios” - Bruno Cova
10.40 CESI • HVDC technology and interaction with the AC network” - Stefano Malgarotti

11.00 Terna • HVDC in Power System: operational experiences and perspectives - Giorgio Maria Giannuzzi
11.20 Coffee Break

11.40 Terna • Synchronous condensers in multi in-feed HVDC systems - Francesco Palone, Massimo Rebolini
12.00 Terna • MON.ITA Project - Main Features of the Montenegro Design - Pietro Antonelli, Claudio Marchiori
12.20 RSE • Outcomes of Twenties Project Francesco Careri, Diego Cirio
12.40 Discussion

13.20 Lunch break

SESSION II
14.00 Toshiba • (intervento in corso di definizione)
14.20 Prysmian • HVDC Cables: Underground and Submarine projects - Luigi Colla
14.40 Siemens • Latest Developments in Smart and Bulk Power Transmission Technology for DC Overlay Grids Dietmar Retzmann
15.00 Alstom • ALSTOM Grid HVDC Projects & Future developments for DC Grids - Rafael Bonchang
15.20 RSE • Research and testing activities on dielectric behavior of HVDC Overhead Lines Giovanni Pirovano, Andrea Villa
15.40 CESI • Upgrading of AC Overhead Transmission Lines to DC ones - Alessandro Clerici
16.00 Discussion
16.30 Conclusion

For AEIT and CIGRE members, the fee for the participation in the workshop is € 50,00 (€ 20,00 for Young Members). For Non Members the registration fee is € 125,00.

Payment with wire transfer: Allianz Bank - Financial Advisors IBAN IT64 N0358901600010570360672 or Credit Card (Visa, Cartasi, Mastercard, Eurocard).

You may register online: you have to enter the Reserved Area at www.aeit.it using your credentials (for AEIT Members) or creating a new account.

REGISTRATION FORM (please fill in the form and send it via fax to n. +39 02 66989023 or by email to: manifestazioni@aeit.it)

Workshop: HVDC Transmission - Operation experience and technological development for wider applications in Italy and abroad - Milan, May 29th 2014

First Name ................................................................. Family Name .................................................................

Society ........................................................................................................ VAT Number .................................................................

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☑ AEIT Member: euro 50,00      ☑ AEIT Young Member: euro 20,00
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Non Member: euro 125,00

PAYMENT

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