

Welcome

*Grid aesthetics seminar
in Milan*

May 19, 2015



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Planning & Development

RSE History and Mission



- Established at the end of 2005 as a separate company, currently owned by GSE (Gestore Servizi Energetici)
- From ENEL R&D Division, through CESI (strong liaison with Enel, Terna, electric power utilities), today RSE (Ricerca sul Sistema Energetico)
- The mission is to take over national and international funded research programs and contracts on electricity and energy sectors
- The electricity network is crucial in RSE mission, smart grids have been studied since the very beginning and we are still at the forefront of international research, development and demonstration.

<http://www.rse-web.it/storia.page>

RSE Research focus



- RSE develops research activities of public interest in the electroenergetic sector, with emphasis on experimental pilot applications
- Comprehensive and system-based approach with valorisation of multi-disciplinary competences
- Oriented to benefit national electrical system users and industrial operators
- Wide-spread dissemination of public domain research results and technology transfer

Smart Grids

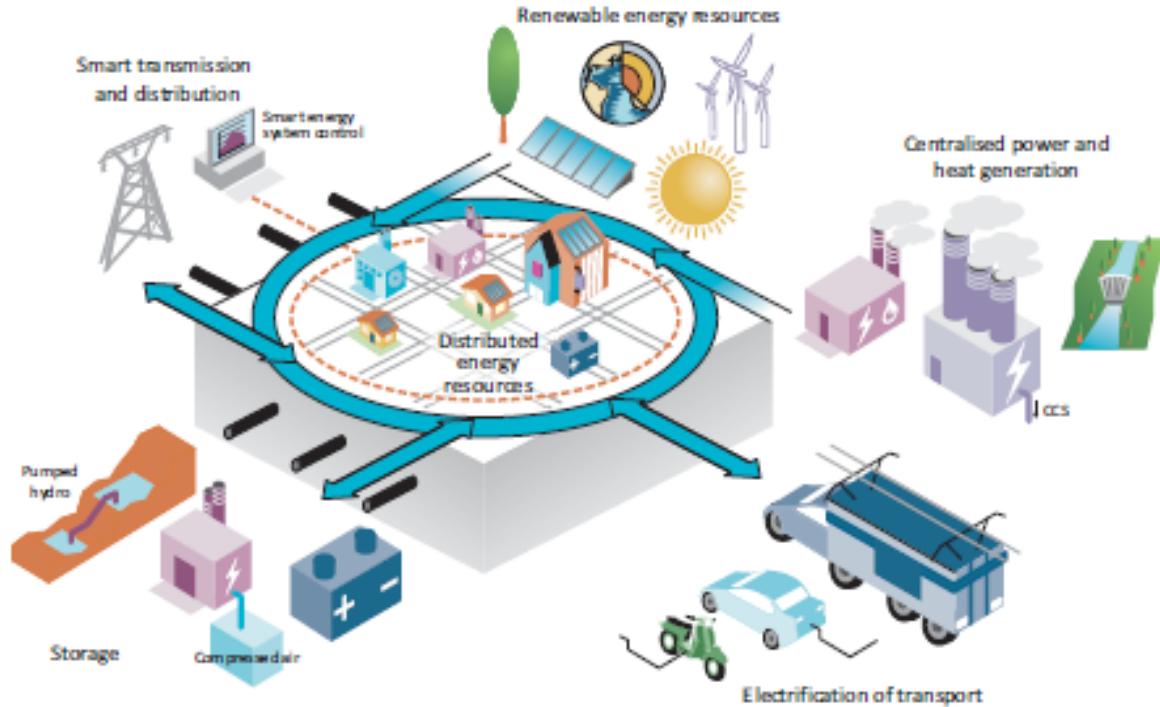


Figure 3. A sustainable electrical system is a smarter, multidirectional, and integrated energy system that requires long-term planning for service delivery.

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RSE in International programmes



- Italian representative in European Industrial Initiatives on *Electricity Grids* (EEGI)
- Coordinator of the European Energy Research Alliance (EERA) Joint Programme on *Smart Grids*
- Chairma of ISGAN (International Smart Grid Action Network)

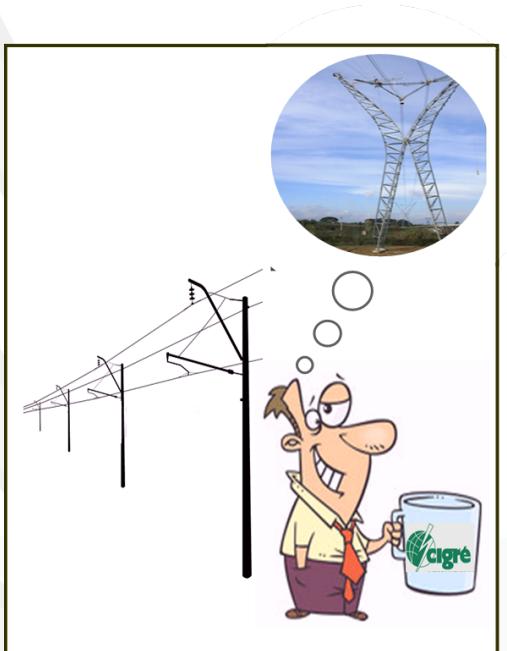




Next meetings in Milan area

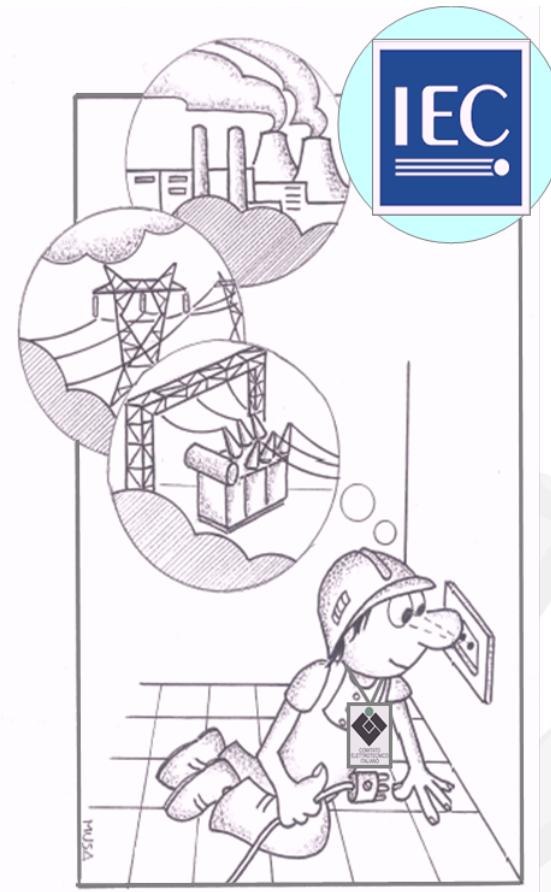


26 – 28 August – Stresa



**CIGRE Workshop
'Innovative Electrical Networks for
a Sustainable Development in
Low Carbon Scenarios'**

21 September – 2 October – Stresa



**International Electrotechnical
Commission - IEC
TC 77 Electromagnetic Compatibility
– TC 8 Smart Grids**

15 – 18 September - Lecco



**ISGAN International Smart Grid
Action Network
Executive Committee Meeting**