

Partner offer (competences/expertise)

Sotacarbo was established in 1985 is already well-known in Italy as the national reference company for the development of the technologies for the sustainable use of fossil fuels (coal in particular). Our company developed research activities in the fields of the so-called “clean coal”, the CO₂ capture and storage and the power generation. The experience gained during all these years suggested to review the role and the organization of the Company, through the implementation of an International Technologic Pole on Energy and Environment, with the aim to collect knowledge and infrastructures in order to back and also to boost Italy's energy policy. The Centre has 33 full-time employees of various orientations. The shareholders are ENEA (The Italian national agency for new technologies, energy and sustainable economic development) and the Sardinian Regional Administration.

The activities programme of the technological pole includes theoretical and experimental studies on: “zero emissions” technologies for power generation; production of liquid fuels from coal; CCS technologies; integrations between power generation technologies from renewable sources (mainly biomass and solar) and thermoelectric power generation plants fed with fossil fuels; oxy-combustion technologies; energy efficiency. In addition to the research and development activities Sotacarbo realises dissemination activities such as a CCS summer school for university students; educational paths for students of primary and secondary school.

Topics

LCE-25-2016.:

Utilisation of captured CO₂ as feedstock for the process industry

LCE-28-2017.:

Highly flexible and efficient fossil fuel power plants

LCE-30-2017:

Geological storage pilots

Contact

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Organisation: Research Organization