

## Partner offer (competences/expertise)

Sotacarbo developed research activities in the fields of the so-called “clean coal”, the CO<sub>2</sub> 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-01-2016-2017:

Next generation innovative technologies enabling smart grids, storage and energy system integration with increasing share of renewables: distribution network

LCE-02-2016.:

Demonstration of smart grid, storage and system integration technologies with increasing share of renewables: distribution system

LCE-03-2016.:

Support to R&I strategy for smart grid and storage.

## Contact

laurea in ing. ambientale Alessandra Madeddu  
Sotacarbo SpA  
Loc. Grande Miniera Serbariu  
09013 Carbonia  
Italy

Homepage: <http://www.sotacarbo.it>

Email: [amadeddu@sotacarbo.it](mailto:amadeddu@sotacarbo.it)

Phone: 07811862354

Organisation: Research Organization