

EDF'S INVOLVEMENT IN CCS

Despite already low CO₂ specific emissions (100 g/kWh globally and 35 g/kWh in France), EDF invests in a research program on CO₂ capture, transport and storage.

- EDF is partner of 10 European and national collaborative projects
- EDF contributes to 4 Ph-D theses (in France, China, UK and Italy)
- EDF is a member of the EPRI programmes on "CCS" and "Fossil Fleet for Tomorrow" and is a member of the ETI's CCS Programme
- EDF has implemented several research facilities (on material test, on CO₂-rock interaction and on CO₂ capture).

CO₂ CAPTURE PILOT PLANT AT LE HAVRE



- 1 ton of CO₂ captured per hour.
- Implemented on Le Havre power plant (unit 4)
- Alstom's AAP (Advanced Amine Process) based on Dow Chemical's amine solvent UCARSOL FGCTM 3000.
- 22 M€ budget with 25% public funding by ADEME
- 1,900 tons captured from July 2013 to March 2014

LEMEDES-CO₂ AT CHATOU R&D CENTER

Study of solvent ageing and degradation:

- industrial processes operating conditions
- Trace compounds measurement
- 1,5 litres solvent at 1 to 3 bars and temperature from ambient to 120°C

