

BASF's Development Program for Post Combustion Capture

BASF has extensive knowledge and more than 35 years of experience removing carbon dioxide from natural and synthetic gas streams. In 2007 BASF entered into a cooperation agreement with RWE (German utility company and operator of coal fired power plants) and Linde (respected engineering company) to develop advanced, absorption based post combustion capture technology for coal fired power plants.

The technology, which includes novel and highly efficient new solvents, will be tested in a pilot plant starting July 2009 and last through October 2010. The pilot facility is designed to allow scale up of the technology to demonstration size (100-300 MWth), which is anticipated for the 2010-2012 time scale. Assuming all questions are satisfactorily answered throughout the demonstration stage and risk mitigation strategies are in place, the technology would be ready for full scale application (approx. 1000 MW) by 2015-2016. Please see below the more illustrative time line of our cooperation.

The pilot plant is located in Niederaussem Germany, using a slipstream of a lignite fired power plant operated by RWE. Location and size of the demonstration plant are not yet decided.



2006	2007	2008	2009	2010
	Pre-screening			
	Lab phase			
		Miniplant		
			Pilot plant @ RWE	