

Flue Gas CO₂ Capture

The technology

- OASE[®] blue specifically developed as optimized large-scale PCC technology
- Carbon capture applications such as fossil power generation plants
- Low energy consumption
- Low solvent losses
- Exceptionally flexible operating range

Application fields



BASF provides customized, technologically superior gas treatment technologies.

BASF can supply customers with a technology package along with a solvent solution customized for specific applications. Based on two pilot plant experiences in Wilsonville, USA, and Niederaussem, Germany, BASF is developing solutions for full scale power plants. OASE[®] blue is the paramount technology for use in flue gas carbon capture from sources such as fossil power generation plants or steam turbines. We offer highly stable, low-maintenance innovative solvents customized to meet the needs of our customers.

The captured carbon dioxide can be commercially utilized in applications such as enhanced oil recovery (EOR) or as a building block for the production of urea. Alternatively it can be stored underground as a carbon abatement measure.

Our service

We tailor our service package to your individual needs. Some of the most common services we provide are:

- Conceptual studies
- Basic design and Front-End Engineering
- Design (FEED) support
- Solvent production supply
- Debottlenecking and revamps, including solvent swaps
- Troubleshooting and operation optimization
- Training
- Solvent analyses



BASF's proven gas treatment technologies boast over 300 references around the globe.

Contact

Dr. Iven Clausen
iven.clausen@basf.com
Phone +49 621 60-99232
www.oase.basf.com