

## Registration

**Workshop 22<sup>nd</sup> and 23<sup>rd</sup> April 2010**

**Quality Hotel and Resort Skjærgården, Langesund and  
Norcem, Brevik, Norway**

Please scan the form and send to [liv.axelsen@tel-tek.no](mailto:liv.axelsen@tel-tek.no) as soon as possible and no later than **Wednesday 7<sup>th</sup> April**)

**Name:** .....

**Position:** .....

**Accommodation:** 21<sup>st</sup> - 22<sup>nd</sup> April  22<sup>nd</sup> - 23<sup>rd</sup> April

**Participate both days**  **Participate 22<sup>nd</sup> April**  **Participate 23<sup>rd</sup> April**

**Institution/Company:** .....

**Address:** .....

**Postal code/City:** .....

**Country:** .....

**Mobile phone:** .....

**E-mail:** .....

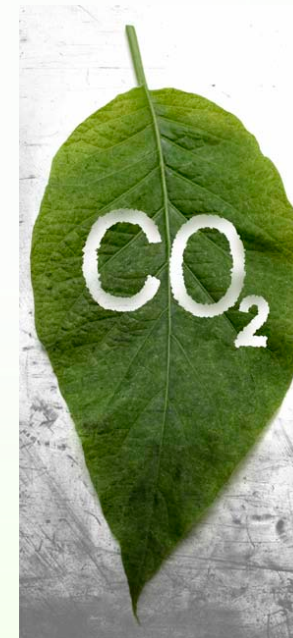


**GASSNOVA, NORCEM/HEIDELBERG CEMENT AND ECRA**  
(European Cement Research Academy)  
in cooperation with **Tel-Tek**  
invite your organisation to participate in a two-day

# Workshop

*22nd and 23rd April 2010*

*Langesund and Brevik*



## Workshop background

The Norwegian government recently decided to broaden the mandate of the CO<sub>2</sub> research and development programme CLIMIT to also include industrial emissions. Day 1 of the workshop will focus on how to close the gap between CO<sub>2</sub> capture in power production and in process industry. The cement industry is a major industrial emitter of CO<sub>2</sub>. Norcem and its mother company Heidelberg Cement in cooperation with ECRA have decided to enter into a process to establish a decision basis for the European cement industry regarding choice of technology for future CO<sub>2</sub> capture. This includes field trials of different post combustion capture technologies in a cement industry test center to be established at Norcem's plant in Brevik. Day 2 of the workshop will introduce the preliminary outline of such a test facility to interested technology suppliers, research organisations and other industries.

## Preliminary agenda

### Day 1: (Starting 10.00)

- Introduction and background (Gassnova): Gassnova's role, expectations and possible contribution to CO<sub>2</sub> capture technology development in process industry
- Closing the gap between CO<sub>2</sub> capture in power production and in process industry
- Klimakur and its consequence for industry
- Presentations of some previous and ongoing projects related to CCS in industry (not power generation) by Tel-Tek
- Industry points of view (Heidelberg Cement, ECRA and other invited industry speakers)
- Input from technology providers: Challenges with emissions from industry as compared to power generation
- Input from research institutes; membranes, solid adsorbents etc: Time until breakthrough

### Day 2: (09.00 – app. 14.00)

- Norcem/Heidelberg Cement/ECRA's ongoing project and further plans
- Norcem as test site, plant site specifics and tour of plant
- (Round table) discussion with invited/interested technology providers and research institutes or others representing technologies that may become of interest to the cement industry. Focus on needs and wishes from interested parties in order to get involved in further planning.

## Practical information

### Venue Day 1:

**Quality Hotel and Resort Skjærgården, Langesund, Norway.** For more information, including geographical location and directions, please see

[http://www.choicehotels.no/hotels/hotel.jsessionid=1EB89541080B55D81EF9E8CA5BA384DB.no\\_node1?hotel=NO034](http://www.choicehotels.no/hotels/hotel.jsessionid=1EB89541080B55D81EF9E8CA5BA384DB.no_node1?hotel=NO034)

A block of rooms (NOK 990,- per night incl. breakfast) has been reserved at the hotel for the workshop. The rooms should be booked via [liv.axelsen@tel-tek.no](mailto:liv.axelsen@tel-tek.no) (see the registration form)

### Venue Day 2:

**Norcem in Brevik**, directions will be given at the workshop.

If you plan to attend both days, we suggest you book also for the night between 22nd and 23rd April at the Skjærgården Hotel.

### The nearest airport:

**Sandefjord Airport Torp**, (see

<http://www.torp.no/Default.aspx?Language=EN&pkMenu=131>) with connections to for instance Copenhagen, Amsterdam, London and domestic. Trains and buses go regularly from the airport to Porsgrunn, from where you are advised to take a taxi. Alternatively you may rent a car, driving time to hotel is app. 45 minutes.

### Registration:

Please indicate whether you will participate in this workshop as soon as possible, and no later than **Wednesday 7<sup>th</sup> April**. Please confirm by returning the registration form to: [liv.axelsen@tel-tek.no](mailto:liv.axelsen@tel-tek.no) to whom you may also direct questions as to practicalities regarding venue etc.

If you have any inquiries to the programme, to the background or other questions related to the workshop, please contact Hans Aksel Haugen, Tel-Tek, [hans.a.haugen@tel-tek.no](mailto:hans.a.haugen@tel-tek.no)



**Per Brevik**  
Director Alternative Fuels

HeidelbergCement Northern Europe  
Lilleakerveien 2 B  
0216 Oslo  
Tlf.: +47 22 87 84 72  
Mob.: +47 90 97 00 17  
Faks.: +47 22 01 33 99

[per.brevik@heidelbergcement.com](mailto:per.brevik@heidelbergcement.com)  
[www.heidelbergcement.no](http://www.heidelbergcement.no)



**Klaus Schöffel**  
Vice President Technology

GassnovaSF  
Dokkveien 10  
3920 Porsgrunn

[ks@gassnova.no](mailto:ks@gassnova.no)  
[www.gassnova.no](http://www.gassnova.no)