

# Software & Support

## Software Development

CERC continues to develop the widely-used off-the-shelf software, ADMS, ADMS-Urban and EMIT incorporating new scientific and user features as well as the latest data into the model releases.

CERC also produces specialised software and customised versions of the models in response to particular customer requests or the needs of users in particular countries. Recent examples include the development of an amine chemistry module for ADMS 4, a dense puff model for urban planners and the ADMSSTAR2 model for the Food Standards Agency in the UK. ADMSSTAR2 models, as puffs, explosive and continuous releases that are likely to be radioactive including the effects of complex terrain and spatially varying meteorology.

Model	Version	Release date
ADMS 4	4.2	March 2010
ADMS-Urban	3.0	January 2011
ADMS-Roads	3.0	January 2011
ADMS-Airport	3.0	January 2011
EMIT	3.0	January 2011
GASTAR	3.1	April 2009

## Software Releases

The table above lists the recent releases of CERC's off-the-shelf software. ADMS-Urban, Roads, Airport & EMIT 3.0 incorporate the latest emission factors from DfT (Department for Transport).

A new releases of FLOWSTAR which models flow over complex terrain is planned for 2011, as well as a major upgrade of ADMS 4 and a maintenance upgrade to ADMS-Urban, Roads, Airport and EMIT.

## Air Quality Forecasting

As part of ESA's PROMOTE II project, CERC expanded its network of street scale air-quality forecasting systems. The ViennAir system for Vienna was installed at UBA (Umweltbundesamt), the Austrian Environment Agency.

All London boroughs are members of *airTEXT* and receive high resolution air quality forecasts from CERC. Other developments include a system for forecasting a total health index for the Wakefield PCT and an air quality forecasting and alert system for Liverpool City Council.



## Web site

Our new website, launched in February 2010, describes CERC's software and services.



ADMS 4 Petrofac training delegates in Sharjah (Dubai, United Arab Emirates) in November 2009.

## Training

CERC continues to offer regular and customised training courses for all its software, both in the UK and overseas. In particular, work has been carried out in Italy, Spain, the United Arab Emirates (pictured above). Delegates have attended training in Cambridge from as far afield as the Baltic States and Pennsylvania State College of Medicine (USA).

# CERC 2009-2010 Report



## Celebrating 25 years

CERC celebrated the company's 25th anniversary in October 2010 with a day of invited speakers, reflecting on developments over the last 25 years and looking to the future in their fields of expertise. A dinner was held in the evening at Clare College, Cambridge. Those present included current directors, Julian Hunt, David Carruthers and Tim Newton (1st, 3rd and 4th from left) and past directors Paul Linden and Ken Pye (2nd and 5th from left). Past director Rex Britter spoke during the day. The ADMS 4 and ADMS-Urban User Group Meetings were held on the following day.

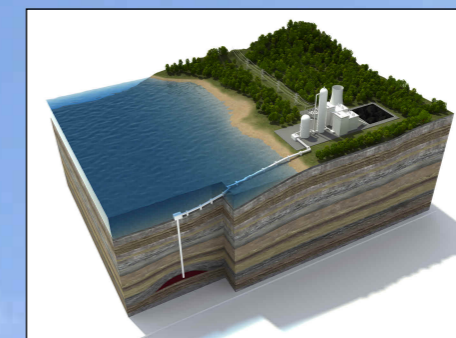
CERC's 25th year also saw the establishment of CERC China in Beijing. The photo (right) shows the office name plate.

CERC provides advanced and accessible software and high level consultancy services. It works with leading research and consultancy organisations worldwide on innovative approaches and software solutions to critical environmental problems. You can read more about our Software & Support, Consultancy Services and Research Projects on the following pages.



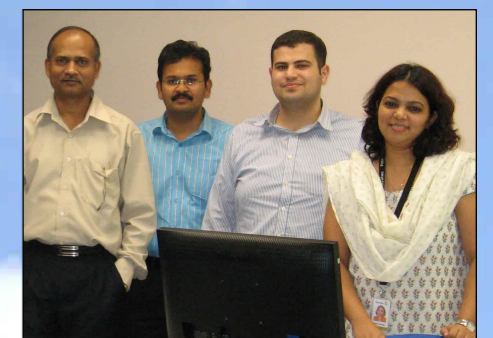
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