

ADMS 6 Training Course

COURSE OVERVIEW

The ADMS 6 training course is specifically designed to teach dispersion modelling and applications of ADMS 6. The course focuses on assessing the impact of industrial sources of pollution on air quality.

The course aims to equip you with the skills required to undertake an air quality modelling study using ADMS 6. No prior knowledge is assumed.

COURSE OUTLINE

Two-day course - 09:30 to 16:30 each day

Day One

- *Introduction to boundary layer meteorology and pollution dispersion*
- *Introduction to ADMS*
- *Meteorology in ADMS*
- *Setting up a modelling scenario in ADMS*
- *Modelling a single point source*
- *Calculating short-term and long-term results*
- *Modelling multiple sources and creating groups*
- *Modelling buildings - The influence of buildings on dispersion; when to model buildings; which buildings to model*

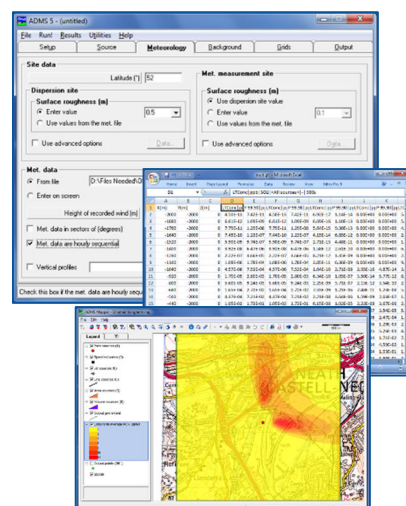
Day Two

- *Terrain – How ADMS models terrain; when to model terrain; data requirements*
- *Modelling NO_x – Estimating the proportion of nitrogen oxides (NO_x) in the form of nitrogen dioxide (NO₂)*
- *Deposition – Determining dry and wet deposition rates (for example in sensitive habitats); characterising pollutants*
- *Further modelling options, including Fluctuations, Puffs, Plume visibility, Coastlines, Odours*
- *Case study – Gas terminal development for IPPC*
- *Summary of elements of an ADMS modelling study*

On completion of the course, you will be able to:

- recognise key input data needed to use ADMS, including emission parameters for industrial sources
- use ADMS to calculate modelled concentrations to be used for comparison against air quality objectives or monitored data
- display ADMS input and output data using the ADMS Mapper
- model multiple emission sources and compare the impact of different groups of sources
- model the influence of buildings and terrain
- select appropriate ADMS model options for a specific study.

You will be equipped to complete your own air quality modelling studies.



COURSE LOCATION

The course can be delivered online or in person. The online course is delivered through a combination of audio presentations, hands-on worked examples and live communication with a CERC expert instructor.

If you complete the course online, you will have access to the online platform for one day after the course has ended, to enable you to consolidate your learning.

INSTRUCTORS

The CERC instructors are full-time consultants with extensive experience in their area of training. Their experience with projects transfers into a practical and effective learning opportunity.

COURSE MATERIAL

If you attend the course in person, you will be given a handbook containing the course material. Online attendees will be able to download the handbook. A course certificate can also be provided.

SOFTWARE

It is not necessary to purchase ADMS before completing the course; a free demonstration copy of the software with a one-month licence can be provided.

DISCOUNT

10% Discount

*on scheduled CERC training courses,
when purchased with a software annual
licence or support renewal*

ENQUIRIES AND REGISTRATION

For more information, or to enrol onto a course, please email training@cerc.co.uk