



ADMS-Urban Training Course

COURSE OVERVIEW

The ADMS-Urban training course is specifically designed to teach dispersion modelling and applications of ADMS-Urban. The course focuses on assessing the impact on air quality of a full range of sources of pollution, including roads, industrial sources and other sources.

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

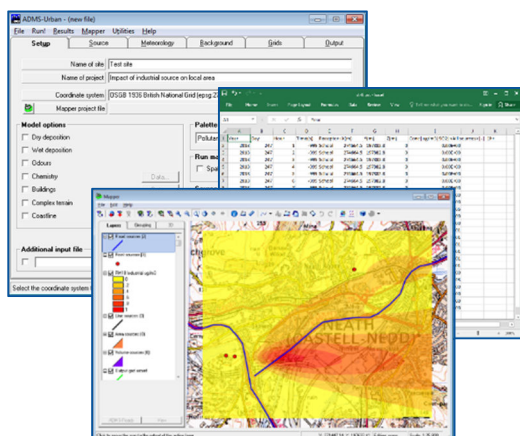
COURSE OUTLINE

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

Day Two

Day One

- *Introduction to boundary layer meteorology and pollution dispersion*
- *Introduction to the ADMS-Urban software*
- *Setting up a modelling scenario in ADMS-Urban*
- *Modelling a single point source*
- *Modelling a single road source*
- *Visualising input and output data using the Mapper*
- *Choosing meteorology data – types of meteorological input*
- *Calculating short-term and long-term concentrations*
- *Modelling multiple sources and creating groups*
- *Modelling a small road network – current and future scenarios*
- *Modelling street canyons, road tunnels, urban canopy flow, complex terrain, buildings, odours*
- *Modelling a complex urban area*
- *Source apportionment*
- *Case studies:*
 - *Modelling chemistry effects*
 - *Comparing the impact of two industrial sources*
 - *Traffic management*
- *Discussion of other topics, including model verification, background data, emissions inventories and how to approach your own modelling studies*



On completion of the course, you will be able to

- recognise key input data needed to use ADMS-Urban, including emission parameters for industrial and road sources
- use ADMS-Urban to calculate modelled concentrations to be used for comparison against air quality objectives or monitored data
- display ADMS-Urban input and output data using the Mapper.

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-Urban 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.