



ADMS-Roads Training Course

COURSE OVERVIEW

The ADMS-Roads training course is specifically designed to teach dispersion modelling, applications of the software and how to carry out Air Quality studies. The course focuses on assessing the impact of roads and 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-Roads. 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 the ADMS-Roads software*
- *Using the Mapper*
- *Setting up a modelling scenario in ADMS-Roads*
- *Modelling a single point source*
- *Modelling a single road source*
- *Choosing meteorology data – types of meteorological input*

Day Two

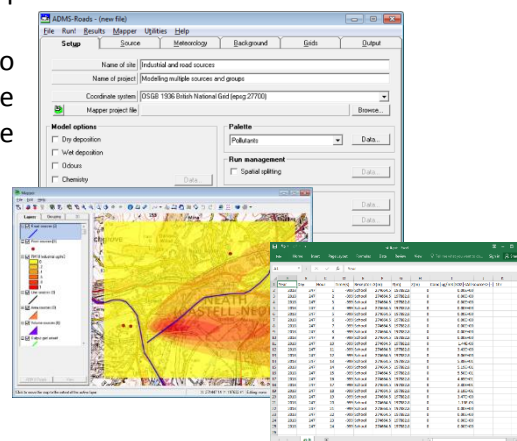
- *Calculating short-term and long-term concentrations*
- *Modelling multiple sources and creating groups*
- *Modelling a small road network – current and future scenarios*
- *Modelling street canyons*
- *Source apportionment, road tunnels, urban canopy flow, complex terrain, buildings, odours*
- *Case studies*
 - *Modelling chemistry effects*
 - *Particulate emissions – buses*
- *Discussion of modelling studies, validation, background parameters, emission inventories, and volume sources*

On completion of the course, you will be able to recognise key input data needed to use ADMS-Roads, including emission parameters for industrial and road sources. You will know how to use ADMS-Roads

to calculate modelled concentrations to be used for comparison against air quality objectives or monitored data. You will be able to display ADMS-Roads input and output.

Courses can be delivered online or in person. The course runs for two days. If you complete the course online, you will have access to the online platform for a third day, giving you an extra day for course consolidation.

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



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

You do not need to purchase ADMS-Roads before completing the course; a demonstration copy of the model can be provided on request.

Online attendees will be provided with a copy of the ADMS-Roads software with a one-month licence, via an email link.

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, contact CERC by emailing: training@cerc.co.uk