

ADMS-STAR Training Course

COURSE OVERVIEW

ADMS-STAR estimates the air concentration and accumulated deposition due to short-term accidental releases of chemical and radioactive emissions to the atmosphere.

This course aims to equip you with the skills required to model short-term accidental releases, such as explosions or leaks, and to assess the impact on the surrounding area, using ADMS-STAR. No prior knowledge is assumed.

COURSE OUTLINE

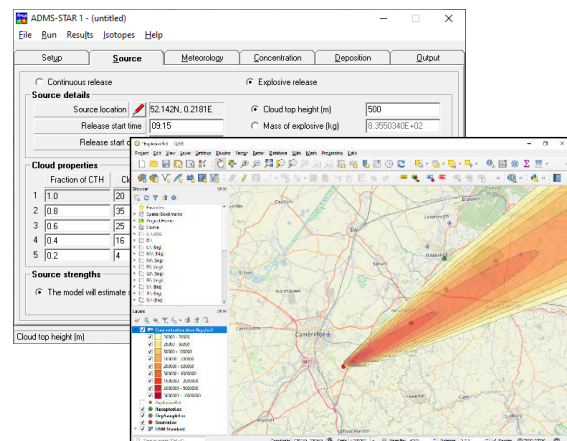
Course duration: 1.5 days

Day One (09:30 – 16:30)

- *Introduction to boundary layer meteorology and pollution dispersion*
- *Introduction to ADMS-STAR*
- *Meteorology in ADMS-STAR*
- *Obtaining meteorology and terrain data for use with ADMS-STAR*
- *Modelling an explosive release*
- *Modelling a continuous release*
- *Modelling regions with variable terrain*
- *Calculating inhalation, thyroid and gamma doses*
- *Using a GIS to visualise input data and create contour plots from output data*

Day Two (09:30 – 13:00)

- *Case studies:*
 - *Emergency release at a power station*
 - *Emergency modelling of a fire*
 - *Rail transport incident*
- *Discussion of other topics, including sources of data 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-STAR
- use ADMS-STAR to model a variety of accidental releases and analyse the results
- display ADMS-STAR input and output data using a GIS
- identify key modelling issues from real case studies.

You will be equipped to complete your own emergency / accidental release 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-STAR 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.