

Air Quality Management and Monitoring Training and Capacity Building



Air quality management is required in many large cities in order to focus and co-ordinate the efforts to reduce air pollution from mobile and stationary sources. Air quality management is based on the initiation of a number of activities in order to reach the specified air quality objectives. One of the cornerstones in the management of air quality is the performance of emission inventories, air quality monitoring and modelling of air pollution.

FORCE Technology has more than 30 years of experience within research and development in the field of air pollution. The Danish EPA appointed FORCE Technology as the National Danish Reference Laboratory for Air Emission Monitoring.

Experts from FORCE Technology assist in the transfer of know-how to other countries.

FORCE Technology has performed extensive training courses for environmental authorities and laboratories in the fields of air quality management, air pollution monitoring and modelling:

Air quality management

- Emission inventories
- Source assessment
- Regulatory measures for:
 - * Stationary source emissions
 - Combustion sources
 - Waste incineration
 - Industrial plants
 - * Mobile sources
 - In-use vehicles
 - New vehicles
 - * Area sources
 - Fugitive industrial sources
 - Outdoor storage facilities
 - Waste water treatment plants.



Air pollution monitoring

- Air quality measurements
- Air emission measurements
- Requirements for monitoring
- Planning, quality assurance
- Methodologies
- Standard Operating Procedures
- Data assessment and reporting
- Accreditation schemes according to ISO 17025.



Air pollution modelling

Assessment of air quality and exposure risk by dispersion modelling on emissions from stationary sources, mobile sources, and area sources.

FORCE Technology has assisted in the establishment of Reference Laboratory activities in several Asian and Eastern European countries. These activities involve e.g. capacity building and training, procurement of instrumentation and equipment for calibration, and assistance to the establishment of quality assurance/quality control procedures.



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