



NILU supports the Abu Dhabi National Oil Company (ADNOC)

Bjarne Sivertsen, Trond Bøhler and Geir Endregard

Norwegian Institute for Air Research (NILU), P.O. Box 100, N-2007 Kjeller, Norway. (nilu@nilu.no)

www.nilu.no



NILU in association with Dome Oilfield Services (DOME) and sub-contractors, is establishing a comprehensive air quality project to control gas emissions and to monitor air pollutants for Abu Dhabi National Oil Company (ADNOC). The project is part of the company's drive to protect the environment.



NILU and partners are providing the necessary services to design a state of the art, professional, air quality monitoring and management system for ADNOC.

The SERVICE covers 3 main elements; Pre-FEED, FEED and Bid package for a demonstrator.

The focus of the conceptual design and FEED specifications will be an integrated Air Quality Monitoring and Management System (AQMS), containing elements that fulfil all the objectives for the SERVICE as specified by ADNOC. The deliverables requested by ADNOC will mostly comprise reports, meetings and workshops, where reports will be the main deliverable for all the various parts of the SERVICE.

The main objectives of these systems are to compare actual air quality with air quality forecasts on the basis of the regional and national emission data, as well as to compare them to the air quality objectives, both nationally and regionally.

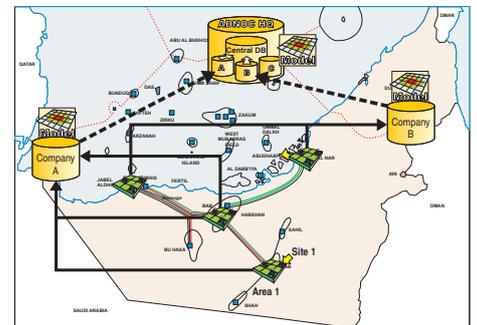
The Air Quality Monitoring System will be achieved in three phases in which demonstrator projects will be implemented over a period of two years.

The system will provide simulation tools as part of the air quality management programme. The work will include air emissions inventories, air quality monitoring stations, mobile monitoring

Mohammed Al Mehairy, EHS' Division Manager, pointed out to the GULF News that: "We have to measure and manage air quality on a regular basis to properly manage the effects of ADNOC Group operations on the environment, in view of the potential future development of the economy and industry of Abu Dhabi."

stations, data network, databases and models. The models will show the spatial distribution of routine and accidental releases to the atmosphere.

NILU experts have visited the United Arab Emirate of Abu Dhabi several times to identify, report and design the first part of the programme.



Air Quality data collection, data bases and data dissemination systems are being designed.



The Norwegian Institute for Air Research

NILU conducts environmental research with emphasis on the sources of airborne pollution, atmospheric transport, transformation and deposition and is also involved in the assessment of the effects of pollution on ecosystems, human health and materials. NILU is conducting projects worldwide for a number of clients such as international banks, WHO, WMO, UN ECE, UNEP and industries and authorities. NILU is working in several countries in the Middle East

