

# ADCO's GIS Application Receives Honor in 2011 Stevie International Business Awards



ADCO's Rig Move Optimization solution has been honored at the recently announced "Stevie" 2011 International Business Awards. Developed by the company's Computer Information Systems Division (CITD) using the latest Esri GIS technology, the application earned a distinguished honoree medal for Best New Product or Service of the Year (Computer Software:

Software as Service) under the category New Product & Product Management Awards.

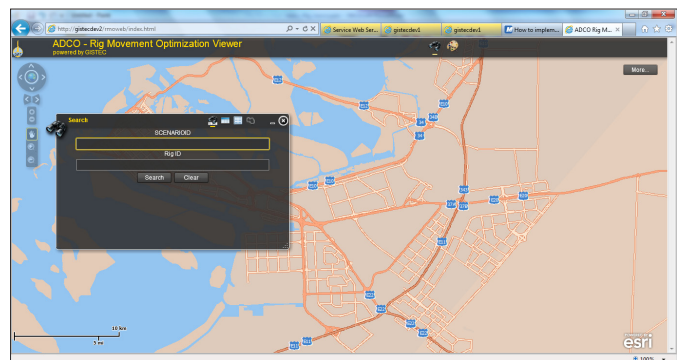
The International Business Awards is the only global, all-encompassing business awards program honoring great performances in business. Nicknamed the Stevie® for the Greek word "crowned," the awards had been presented to honorees at a gala event on October 11, 2011 at the Emirates Palace Hotel in Abu Dhabi, United Arab Emirates. Honorees were selected from more than 3,000 entries received from organizations and individuals in more than 40 nations. Organizations all over the world are eligible to compete in The International Business Awards, and can enter in any of more than 40 categories. ADCO's entry was the only submission among all the OPCOS in the ADNOC Group of Companies

Before the Rig Move Optimizer was developed, ADCO faced perplexing business challenges each day in moving rigs. Moving rigs require immense planning and consideration. The drilling department need to ensure the most cost effective and efficient movement of rigs around the concession to meet the agreed drilling and work schedule. Finding the shortest and safest route to move a rig from one location to another is half the challenge; knowing which rig to move is another.



*ADCO receives the award*

Previously, rig move planning was entirely done manually. Identifying the optimum route was a laborious one involving field surveys and other tedious methods, making it an expensive ordeal. This manual system sometimes can also overlook several key elements such as the terrain, environmental and ecological factors. Obstacles could include sand dunes, pipe lines, flow lines, fences, overhead lines, roads, etc.

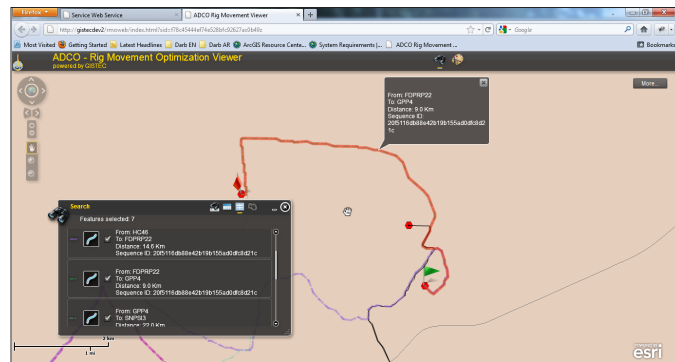


*Rig Move application's main interface*

ADCO turned to the GIS Section within the CITD to develop an application to meet these challenges. In collaboration with Esri's UAE distributor GISTEC, ADCO developed the Rig Move Optimizer application. Utilizing the latest Esri technology, the solution depends on a sophisticated mathematical computation to find the optimum route and sequence to move a given rig for drilling a set of wells. The computation includes the following parameters: existing tracks, moving sand dunes, topological rules, sensitive areas, risk areas, movement expenditure, rig crossing locations, overhead lines, equipment, crew safety and many other obstacles. The application then maps the routes and

compute sequence visually on the existing base map that is available on ADCO's corporate GIS. The result can also be input into any navigational device to guide the rig movement in the desert.

Using this application ADCO is able to maximize resources, minimize cost and save time. Before, rig movement between 4 wells to drill would typically cost about US\$1.2million. Using the application, the drilling department can now find the optimum route and sequence that will cost only US\$700 thousand saving the company US\$500 thousand. This translates to a saving of around 100 to 140 rig days per year which is equivalent to drilling 3-4 wells.



*Individual Paths of Rigs for a planned movement.*

### About The Stevie Awards

Stevie Awards are conferred in four programs: The American Business Awards, The International Business Awards, the Stevie Awards for Women in Business, and the Stevie Awards for Sales & Customer Service. Honoring organizations of all types and sizes and the people behind them, the Stevies recognize outstanding performances in the workplace worldwide. Learn more about the Stevie Awards at [www.stevieawards.com](http://www.stevieawards.com).

### About ADCO

The Abu Dhabi Company for Onshore Oil Operations (ADCO) operates onshore and in the shallow coastal waters of the Emirate of Abu Dhabi. The original concession agreement was made with Petroleum Development (Trucial Coast) Ltd. on January 11, 1939, but geological work did not begin until after the Second World War. Exploratory drilling began in Abu Dhabi in February 1950.

The first commercial oil discovery was made at Bab in 1960, and exports began from the Jebel Dhanna terminal on December 14, 1963. In 1962, the company was renamed the Abu Dhabi Petroleum Company (ADPC). On January 1, 1973, the Government of Abu Dhabi acquired a 25% interest, which was increased to 60% as of January 1, 1974. The Abu Dhabi Government interest is held by ADNOC. ADCO was incorporated on October 8, 1978 and has been responsible, since February 1979, for operations in the concession area, which now covers more than 21,000 square kilometres.

ADCO produces from six oil fields: Asab, Bab, Bu Hasa, Sahil, Shah and North East Bab (Dabbiya, Rumaitha and Shanayel).

These fields are linked by more than 450 kilometres of pipeline, with storage and shipping facilities at Jebel Dhanna, where tankers load crude oil for export to many parts of the world.