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## **AVTECH is awarded a key contract with Dubai Airports on Wake Vortex**

AVTECH Middle East LLC, an associated company to AVTECH Sweden AB (publ), has been awarded a minimum 14 month key contract with Dubai Airports to study the behavior of vortex wake generated by aircraft arriving at Dubai International. AVTECH Sweden AB, the world leading provider of digital ATM solutions, has an important role in the project as a key-supplier of know-how to AVTECH Middle East LLC, and the estimated contract value to AVTECH Sweden AB is approximately 3,1 MSEK during the 14 months, with an opportunity for significant potential volume increases.

The research and findings on these phenomena conducted in Sweden with support from Vinnova is a vital part of the study. The acknowledgement in Dubai and the characteristics of the Dubai airspace and traffic mix gives AVTECH a unique opportunity to gain new knowledge within this capacity driving research area.

For more than forty years air traffic controllers have used prescribed standard separation distances between landing aircraft, based on their weight, to account for the theoretical amount of vortex wake an aircraft will generate for those aircraft following it.

To help Dubai increase airport capacity, AVTECH has assembled a best in class consortium of industry experts to measure and analyze the actual performance of wake vortices, in terms of both intensity and movement.

Lars GV Lindberg, CEO AVTECH Middle East said, "Dubai continues to lead the aviation industry in exploring new concepts to further enhance the service provided to its airlines and passengers. This study will focus on specific procedures with the intention to increase capacity at the world's second busiest airport in terms of international traffic. Additionally the project will lay the foundation stone for the potential development of a dynamic vortex wake assessment system, which could benefit not only Dubai, but the entire global aviation industry."

The study will utilize LIDAR equipment provided by Lockheed Martin, which uses laser light sensors to measure the vortices; it will exploit detailed meteorological data provided by AirDat - Panasonic, and benefit from the experience of aircraft Flight Management System manufacturer Honeywell. In addition, NATS will provide detailed operational analysis of the data, using experience developed conducting similar studies at London's Heathrow Airport. AVTECH Sweden and AVTECH Middle East LLC are providing Wake Vortex Monte Carlo simulations, data analysis and project management. The project is part of the Serco – DANS managed Dubai Airport Dual Arrival Stream program and has a contract value to AVTECH Sweden AB of approximately 3,1 MSEK during the fourteen months, with an opportunity for significant potential volume increases.

Helen Woodrow, VP Forecasting and Research at Dubai Airports added: "We have one of the industry's most proactive growth plans at Dubai Airports to cater for the estimated 100 million passengers we expect to pass through our airports by 2020. This project is indicative of the initiatives we are taking to optimise the efficiency of our operation and augment safety as well as capacity."



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**About AVTECH Sweden AB (publ)**

AVTECH develops products and services for digital Air Traffic Management (ATM). Its customers include the global aviation industry; e.g. airlines, airports, aviation authorities, technology companies and airline manufacturers. By using AVTECH's products and services, each individual flight as well as the entire airline operation can be optimized in terms of cost, noise and emission, efficiency, punctuality and safety. The head office is in Stockholm, Sweden with subsidiaries in Toulouse, France and Dubai, U.A.E. AVTECH Sweden AB is listed on NASDAQ OMX First North and has appointed Mangold Fondkommission AB as Certified Adviser.