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Baron Awarded Contract to Modernize Brunei's National Weather Service

Single-source solution seamlessly integrates new and legacy systems

May 12, 2011, HUNTSVILLE, Ala. — Baron Services, in partnership with Spektra Engineering & Marketing, was awarded the contract from the Department of Civil Aviation (DCA) of Brunei to modernize the nation's weather infrastructure. This will be accomplished through the integration of new and legacy weather detection, prediction and visualization systems, significantly improving the nation's weather detection capabilities. The project is scheduled for completion in August 2011. In addition to providing the best overall value, Baron Services was the only provider to offer a comprehensive single-source meteorological solution.

“We are proud to have been selected as a partner in this program, and we look forward to working with Spektra Engineering to meet our customer's needs,” said Bob Baron, president and CEO of Baron Services. “Most importantly, our team brought a seamless, one-source weather solution to the table, and we did so at the best value,” he continued. “Furthermore, this program demonstrates our ability to build a customized weather infrastructure that integrates multiple data sources, as well as new and legacy systems – something very valuable to customers worldwide.”

Pehin Orang Kaya Hamzah Pahlawan Dato Seri Setia Awang Hj Abdullah, the Minister of Communications of Brunei, stated during a speech on World Meteorological Day, “I believe the system will be able to monitor the weather and issue early weather warning on extreme conditions that will greatly be beneficial to the National Disaster Management Centre, Radio Television Brunei and district offices as well as others.”

Incorporating a diverse selection of Baron Services' meteorological hardware and patented technologies, the project will provide remote weather monitoring, storm-tracking and display, web services, advanced hydrological forecasting and modeling, as well as the ability to disperse weather information to mobile phones and email accounts. A redundant numerical weather prediction subsystem provides sophisticated modeling and the ability to forecast up to 96 hours in the future. Five sensor groups including lightning, satellite, wind profiles, rain gauges and an automatic weather observation system feed seamlessly into an integrated server -- the heart of the entire system's architecture.

In addition, Baron's VHDD-850S/DP radar system will be installed next to the Brunei International Airport. Providing advanced warning of severe weather threats, the high-powered S-band dual-polarization Doppler weather radar will provide increased range for analyzing radar returns in high-definition detail. Unlike conventional radar systems that transmit only a horizontal scan, dual-polarization radars emit both vertically and horizontally polarized beams. Through use of hydrometeor classification, dual-polarization radars deliver larger amounts of more accurate information concerning the size, shape, orientation, and state of hydrological data, vastly improving flash flood prediction.

"By selecting a one-vendor meteorological solution, our customer has several advantages," said Rick Braswell, vice president of international business development. "Baron's best in class weather technologies including displays, radar and data all work together seamlessly. The customer knows they won't have any issues with compatibility or integration -- something very important with a project of this magnitude."

Baron's endeavors have set new standards around the world in hydrological and meteorological applications. In Paraguay, Baron installed an advanced Doppler weather radar for that country's Department of Hydrology and Meteorology. The radar solution assists disaster management services personnel in predicting probable areas of flooding. For the Taiwanese government, Baron developed a radar that aides in air safety at the Chiang Kai-Shek International Airport. Additionally, Baron is involved in the Romanian National Integrated Weather System (SIMIN) project where it has been assisting in modernizing that country's national weather service.

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About Baron Services

Baron Services' products span the globe serving government, business and consumer markets with state-of-the-art weather technologies and integrated solutions. From Doppler radar manufacturing and installation to advanced

forecast modeling for hydrology, air quality, and meteorology, Baron Services continues to lead the weather industry through award-winning innovation. Baron Services, through its partnership with L-3 Communications, was awarded a five-year contract from NOAA's National Weather Service (NWS) to provide a system-wide upgrade of the 171 NWS, Federal Aviation Administration (FAA) and Department of Defense (DOD) NEXRAD radars to dual-polarization capability. Part of the XM NavWeather system, Baron Services' Threat Matrix technology is now available as standard or standard option on select models from Acura, Infiniti, Lexus, Nissan and the Honda Gold Wing. In the aviation industry, Baron's technology comes standard with over 90% of general aviation aircraft being manufactured with XM WX Satellite Weather as standard or standard option. Baron is headquartered in Huntsville, Alabama with offices in Oklahoma, North Carolina and Florida. For more news and information on Baron Services, please visit www.baronservices.com.