Company case study: EWR

X-FACTOR

The past, present and future of weather radar

EWR Weather Radar’s CEO, Guy Blase, and president, Donald A LaPoint, talk about the company’s role in developing X-band weather radar systems can stand alone or complement existing weather surveillance operations. More specifically, the individuals who operate our technology through EWR’s WeatherScout software are as diverse as the deployment applications. Such users include meteorologists, soldiers, helicopter pilots and many more. Regardless of the weather sensitive operation, our clients rely on EWR’s technology to deliver accurate meteorological information in the most extreme environments.

What specific challenges do users face and how do the weather radar systems meet those different needs?

EWR offers many products and services specifically designed to conform to the user’s individual needs. The company’s product offerings are all COTS items, however we have the capability to fine-tune weather radars to meet the specific needs of the client and the mission. Many of EWR’s military clientele are challenged with ensuring that all radar controls are in compliance with the Defense Information Systems Agency (DISA). EWR has consistently achieved and maintained Information Assurance standards and all assurance controls are in compliance with the DOD Information Assurance Certification and Accreditation Process (DIACAP). EWR provides its extensive experience and documented record of providing a secure environment for its radars by accurately evaluating and disseminating Time Compliance Network Order (TCNO) updates, performing monthly security scans and updating EWR’s operating systems and proprietary application software to meet security protocols.

Can you detail the products you manufacture?

EWR’s E600 Series II weather radar, a non-Doppler system, is designed for maximum portability while being engineered to withstand the rigors of frontline duty for military applications. EWR’s E700XD incorporates Doppler technology in a compact, rugged and lightweight design that is ideal for portable applications. The E700XD is ideal for ‘gap-filling’ radar surveillance that generates a comprehensive line of over 20 meteorological display and warning products generated in real-time by the radar in both graphic and radar data file formats including NEXRAD Level II and EWR/ NEXRAD LEVEL III products.

EWR’s E750DP polarimetric radar offers simultaneous dual polarization for...
WeatherScout is the real-time radar control and display package for operating the E700XD radar system.

enhanced accuracy in identifying meteorological products.

EWR's electronic phased array radar system uses dual polarization to provide meteorological weather radar data and target surveillance detection.

Do you provide post-installation support?

EWR believes post-installation long-term support is an often overlooked critical component to any weather radar system, similar to a skydiver's emergency parachute. EWR offers customer logistical support that encompasses full program management, engineering, integration, logistics, spares coordination, operational support, upgrades, and system software and hardware modifications.

Should a problem arise, the company's response time is within hours of the initial call. Repair teams are ready to deploy anywhere in the world for on-site repair if it is deemed necessary to resolve a situation. To provide certainty to the costs associated with long lifecycles, EWR will customize a logistical support solution depending on the project's characteristics.

In your view, what sets the company apart from other OEM providers?

EWR is a financially sound and well-capitalized company with the highest DUNS ratings. The company will be around for our customers to service our systems for a long time to come. EWR has excellent listening skills and our size allows us to respond directly to the rapidly developing needs of our clients. EWR is strategically aligned with academia, industry partners in the weather community, and the world's leading weather radar engineers, many of whom serve on EWR's advisory board.

What sort of market trends are you perceiving at present and how do you envisage the picture might change in the future?

EWR has demonstrated its breadth of knowledge of market demand through its newest commercial offerings, including EWR's E750 polarimetric radar, turnkey Mobile Weather Radar Truck and EWR WeatherScout 3.0 software with Hybrid Pulse technology.

As an industry partner with Collaborative Adaptive Sensing of the Atmosphere (CASA) in association with several universities worldwide, EWR continues to remain ahead of market demand through the creation of intellectual property licenses created by the minds of today for radar technology tomorrow.