

Raytheon Border and Critical Infrastructure Protection: Securing Valuable Assets With Integrated Solutions



Countering a Proliferation of Threats

The proliferation of threats that exist today is undeniable. The perpetrators of these threats are likely to choose targets that will cause maximum terror, inflict local, regional or even worldwide economic harm, and cause loss of confidence in governing bodies. It is necessary to select an integrated solution that is designed to counter these threats, and Raytheon has the unique capabilities and experience to provide that solution.

As an integrator, Raytheon employs security solutions that are best suited to meet each customer's specific requirements. Equipment is not tied to any particular supplier, and our goal is to provide the best set of solutions within budget and on schedule.

Innovative and Integrated Solutions

Whether it's securing an oil refinery, nuclear facility, port (air, sea or rail) or an entire border, Raytheon delivers a complete set of capabilities that meets the unique requirements of each customer. Raytheon studies every aspect of the specific threat, the environment, existing equipment and facilities, and our customer's concept of operations. Working with our experts, this material is synthesized using a well-established and proven process that includes preparation, installation, organizational transformation and future planning.

Testing Before Investing

With Raytheon's proven suite of modeling and simulation tools, including the Sensor Terrain Analysis Tool (STAT) and Automated Design for Analysis and Performance Testing (ADAPT), customers can participate in the design and customization of their solution and see the results in action. This modeling and simulation capability can recreate customers' complex operating environments and threat scenarios. It can also model complete system solutions and reflect a customer's current and projected organizational capability, assets and processes. In this way, multiple options and variations can be evaluated and compared.

Our suite of tools is supported by performance models that can accurately predict sensor, system and organizational performance. Our sensor solutions consider topography, weather, threat types, and line of site; while our organizational models encompass current capabilities and effects of new processes and technologies on performance. This capability gives customers the ability to experiment with different solution sets and compare cost/performance.

Solution Roadmap

Through ongoing maintenance, support and training, Raytheon's security solutions not only protect against current threats, but also take into account future requirements. Continuous dialog between Raytheon and the customer ensures that the latest security techniques and best practices are provided.

On a recent large-scale security project, Raytheon led an integrated team of 30 major subcontractors over the course of six years. Working hand in hand with our customer, Raytheon successfully completed the program from concept through procurement, including installation, integration, testing and logistical support.

Breadth of Experience

Raytheon's border and infrastructure security solutions build on over 80 years of security and communications systems experience. Raytheon has led border and critical infrastructure protections programs in over 20 countries. Our extensive experience includes developing, integrating and commissioning complex, real-time systems worldwide for both military and civilian customers — on time and on budget.

United Kingdom e-Borders Project

e-Borders is a U.K. Border Agency program that is helping to strengthen and modernize the U.K.'s borders. Raytheon, the lead for the Trusted Borders consortium on e-Borders, is responsible for systems integration, travel services and overall program management.

e-Borders will collect and analyze passenger, service and crew data provided by all carriers (air, sea, rail) travelling to and from the U.K. before departure. The program will provide a critical aid to supporting security, counter-terrorism and immigration work by alerting authorities in advance of those entering and exiting the country.

This intelligence-led approach will improve the security, effectiveness and efficiency of the U.K.'s borders. By harnessing the latest technology and updating procedures, e-Borders will allow for the swift and secure transfer of data while delivering faster processing for an ever increasing number of travellers.