



BOEING

# NewGen Tanker

Combat Ready  
Lowest Total Cost  
American Made

May, 2010

## The Boeing NewGen Tanker, Combat Ready on Day One

As the Air Force looks to replace their Eisenhower era KC-135 refueling aircraft, it is clear from the mandatory 372 key requirements in their solicitation that they plan to use tankers in a much different way in the combat environment. The new 21st century fleet of tankers will be operating much closer to the fight, reducing transit time and providing the operational commander with greater flexibility. Moving closer to the fight and being combat ready will require the new tanker to be deployable, maneuverable and survivable on day one, when the first tanker is delivered to the customer.

In selecting the NewGen Tanker as its offering for the new tanker competition, Boeing has blended the most modern, high technology commercial & military capabilities into the world's most advanced, combat ready tanker allowing superior deployability, maneuverability and survivability.

The NewGen Tanker's modern digital flight deck includes evolutionary displays from the Boeing 787 for improved situational awareness and unrestricted worldwide deployability. Fully integrated state-of-the-art civilian and military communications systems allow global access, global connectivity, and unprecedented network integration in a tanker aircraft. The NewGen's agile, fuel efficient design and high reliability allow it to operate out of more bases while carrying more fuel, cargo, passengers and patients than the KC-135. With its new fly-by-wire boom and proven hose and drogue capability,



*The NewGen Tanker is shown refueling a V-22 Osprey from the centerline hose unit.*

the NewGen Tanker can refuel any receiver on any mission, creating greater flexibility for tanker planners and commanders.

A 'Pilot-in-Command' philosophy is a hallmark of the Boeing flight deck design, with familiar flight controls that provide pilots with important multi-sensory visual and tactile feedback on airplane behavior. This flight deck philosophy, common to all Boeing aircraft, provides pilots with predictable and consistent flight control at all times, reducing response time in normal and emergency situations. The NewGen Tanker also allows the pilots access to the full flight envelope with no artificial computer law limits, giving the pilots immediate combat maneuverability whenever needed.

Finally, the NewGen Tanker provides 21st century crews and their aircraft survivability enhancements unprecedented in a tanker aircraft, allowing them to safely operate in harm's way. The NewGen tanker will be equipped with infrared countermeasures and threat detection systems which allow operation in



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areas hitherto restricted from tanker operations. Aircraft armor, fuel tank protection and component hardening translate into improved safety in the medium threat environment and increased capability for commanders.

Boeing's NewGen tanker will be designed and built with the warfighter in mind, building on a legacy of reliability and safety that aircrews have come to depend on. Boeing has built and supported more than 2,000 tankers over the last 60 years, and will provide America's newest tanker that will be Combat Ready on day one.



*The Boeing NewGen Tanker - Capable. Survivable. Combat-Ready on Day 1.*

## Experiencing A New Generation of American Made Aerial Refueling Technology

This year we're taking Boeing's Aerial Refueling Technology (BART) demonstrator to locations around the United States. In addition to trade shows, BART will be on location at NewGen tanker supplier rallies, state capital visits, and media opportunities. BART offers a chance to experience the warfighter's air refueling technology firsthand, with state-of-the art, hands-on refueling demonstrator and advanced flight deck simulator.

During a recent visit to Tallahassee, Florida, Boeing was able to demonstrate air refueling technology destined for the NewGen tanker to state lawmakers. Kaman Aerospace Corporation, one of our Florida suppliers, joined us to talk about Boeing's job impact in Florida. Kaman Aerospace has been producing wing structures and other parts for the

767 since the launch of this commercial aircraft. The company is proud of their long association with Boeing and looks forward to producing parts for the NewGen Tanker.

The Boeing NewGen tanker is designed and built in America and will support over 50,000 American jobs, of which nearly 2,000 will be in Florida.

Follow BART as it travels around the United States at:  
[www.unitedstatestanker.com](http://www.unitedstatestanker.com)



*The Boeing Aerial Refueling Technology (BART) shown set up across the street from the Florida capitol building.*