Optimizing Carrier Onboard Delivery...

CARRIER ONBOARD DELIVERY...
OPTIONS INCLUDED
Revolutionizing COD with an **Optimized Carrier Logistics Network**

Built for maritime operations and in full-rate production, V-22 Osprey represents low developmental risk and leverages award-winning sustainment for a growing, jointly interoperable aircraft fleet. With more than 250,000 flight hours, the transformational V-22 tiltrotor combines fixed-wing speed with helicopter utility to enable rapid logistics and direct-delivery to carriers and the rest of the fleet. A modern aircraft for Carrier Onboard Delivery (COD), the V-22 affordably offers efficient, multi-dimensional naval logistics solutions with the operational flexibility to do much more.

**MEDIUM RANGE COMPARISON:**

400 NM FROM LOGISTICS SITE TO CARRIER STRIKE GROUP

Comparison of optimized carrier logistics network using V-22 and粮油 hive logistics to strike group over 30 days.

**MEDIUM RANGE EXPANDED NETWORK COMPARISON:**

400 NM FROM LOGISTICS SITE TO CARRIER STRIKE GROUP AND AMPHIBIOUS READY GROUP

Expanded network demand at extended range highlights V-22 capability and value of afloat logistics hub integration with 76,000 cubic feet of logistics delivered in 30 days.

**EXTENDED RANGE EXPANDED NETWORK COMPARISON:**

1150 NM FROM LOGISTICS SITE TO CARRIER STRIKE GROUP 1,300 NM TO CSG 2 AND 1050 NM TO AN AMPHIBIOUS READY GROUP

Expanded network demand at extended range highlights V-22 capability and value of afloat logistics hub integration with 114,000 cubic feet of logistics delivered in 30 days.
More than COD.

V-22 future capabilities include a plug-and-play Aerial Refueling kit to support carrier launch and recovery as well as an innovative, internal strike-fighter engine carry solution to meet long-range Carrier Air Wing logistic needs.

V-22’s Asymmetric Advantage. Using a V-22 and rotary-wing asset combination affords logistics planners an expanded resupply CONOPs with a fully integrated medium-to-heavy lift delivery capability that readily adapts to the commander’s daily logistics priorities. In short, V-22 revolutionizes at-sea resupply by uniting fixed-wing range and speed with helicopter-like direct delivery to the point of need.

COMPARING LOGISTIC NETWORKS

Using commercially available logistics optimization software, V-22 enabled logistics networks demonstrate increased delivery volume and velocity as compared to an optimized legacy COD network by eliminating the logistics “bottleneck” at the carrier. With 100 percent same-day delivery and more efficient asset utilization, V-22 promises to deliver more to the carrier strike group with mission cost savings up to 50 percent and up to 44 percent improved cubic foot throughput. Turn this page to learn more.

More than COD. V-22 future capabilities include a plug-and-play Aerial Refueling kit to support carrier launch and recovery as well as an innovative, internal strike-fighter engine carry solution to meet long-range Carrier Air Wing logistic needs.

OPTIMIZED LOGISTICS SOLUTIONS ACHIEVE:

- Integration of Sea-based Logistics Hubs
- Increased Delivery Velocity & Volume
- Efficient Asset Utilization
- Reduced Fuel Consumption
- Mission Cost Savings

CONOPS COMPARISONS

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Network</th>
<th># COD Aircraft</th>
<th># Carrier Deliveries</th>
<th>Afloat Hub Resupply</th>
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<tbody>
<tr>
<td><strong>Medium Range</strong></td>
<td></td>
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<tr>
<td>(400 NM to CSG)</td>
<td>V-22</td>
<td>2</td>
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<td>C-2</td>
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<td>N0</td>
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<tr>
<td><strong>Expanded Network at Medium Range</strong></td>
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</tr>
<tr>
<td>(400 NM, CSG &amp; ARG)</td>
<td>V-22</td>
<td>3</td>
<td>********</td>
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<tr>
<td></td>
<td>C-2</td>
<td>3</td>
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<td>N0</td>
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<tr>
<td><strong>Expanded Network at Extended Range</strong></td>
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<tr>
<td>(1150 NM CSG, 1300 NM CSG, &amp; 1050 NM ARG)</td>
<td>V-22</td>
<td>3 per CVN</td>
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<tr>
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<td>C-2</td>
<td>3 per CVN</td>
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</tbody>
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V-22 provides fixed-wing performance and expands flight deck delivery options with a generous wind envelope and catapult / arresting gear independence. Modern design and on-board monitoring systems permit a 30-40 percent deployed maintainer-to-aircraft reduction as compared to the legacy COD.

Demonstrated Carrier and Carrier Airwing Compatibility. V-22 provides fixed-wing performance and expands flight deck delivery options with a generous wind envelope and catapult / arresting gear independence. Modern design and on-board monitoring systems permit a 30-40 percent deployed maintainer-to-aircraft reduction as compared to the legacy COD.

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