Advanced Gun System (AGS)



AGS Background

Mission:

 Destruction, interdiction, suppression and other fire support missions to support ground and expeditionary forces

Platform:

DDG1000

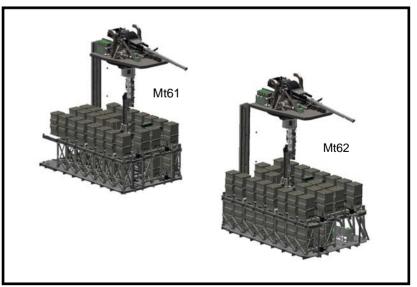
Employment:

 Engage enemy land targets at long range with precise, high volume fire support

Description:

- 155mm automated gun system which includes:
 - **★** Fully Automated magazine
 - **★** Unmanned gun mount
 - **★** GPS guided projectile
 - **★** Pallet (transport & storage)
- Contractors: BAE Systems, GDATP, LMCO



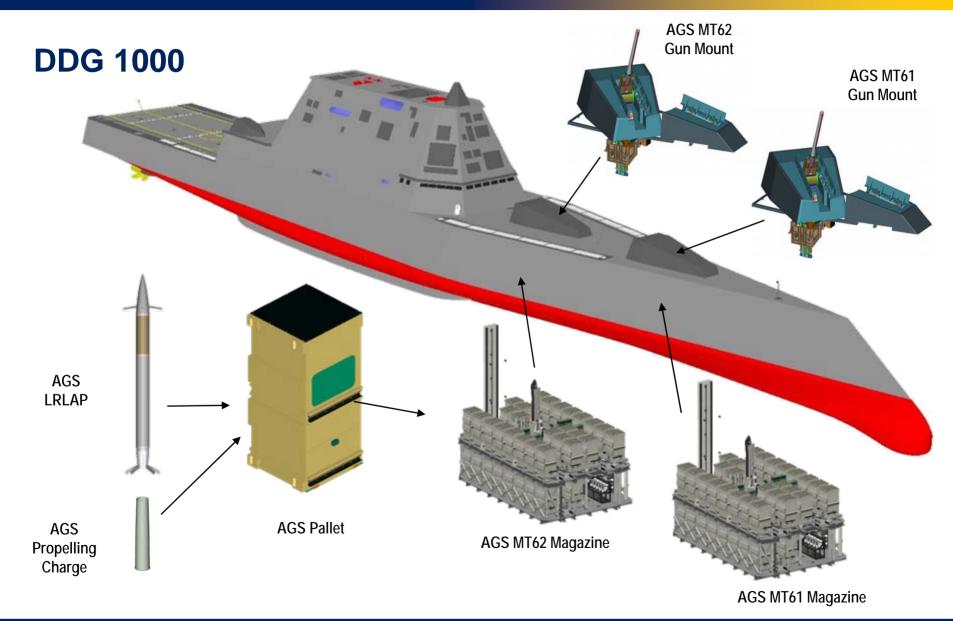


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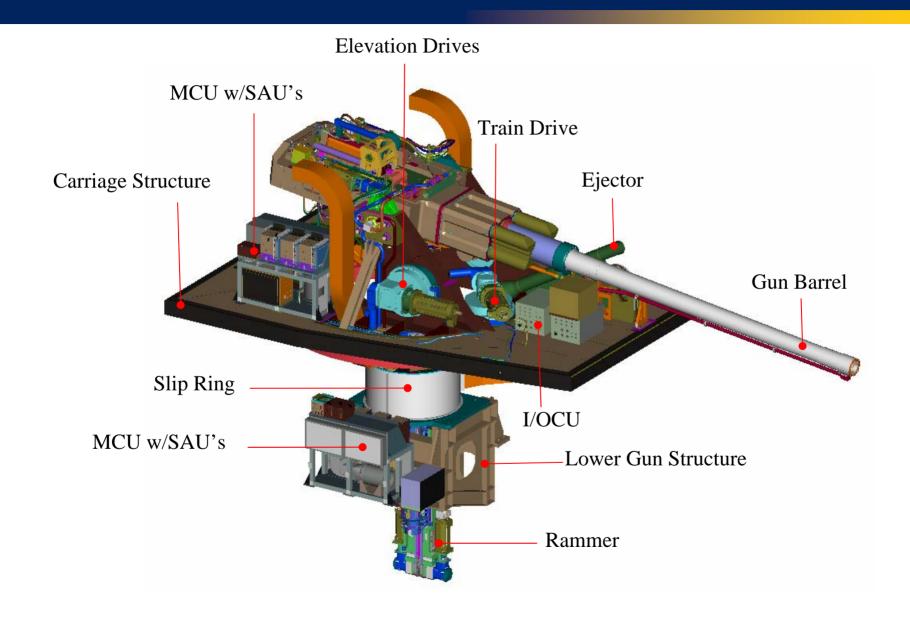
AGS Key Requirements

(U) Key AGS Element Performance and Operational Requirements **Parameter Performance Requirement AGS Design Features** Magazine Capacity 600 LRLAP rounds per ship (minimum).

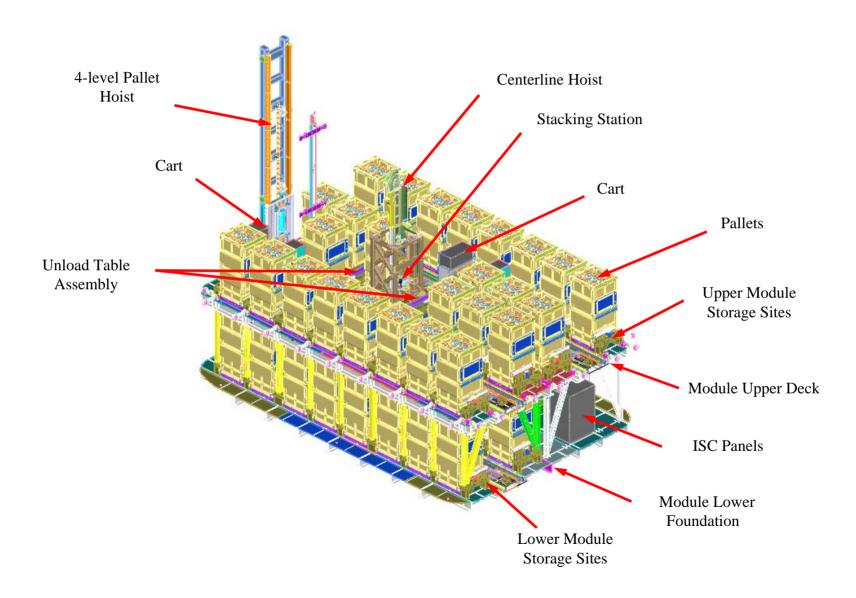
ADVANCED GUN SYSTEM MAJOR COMPONENTS



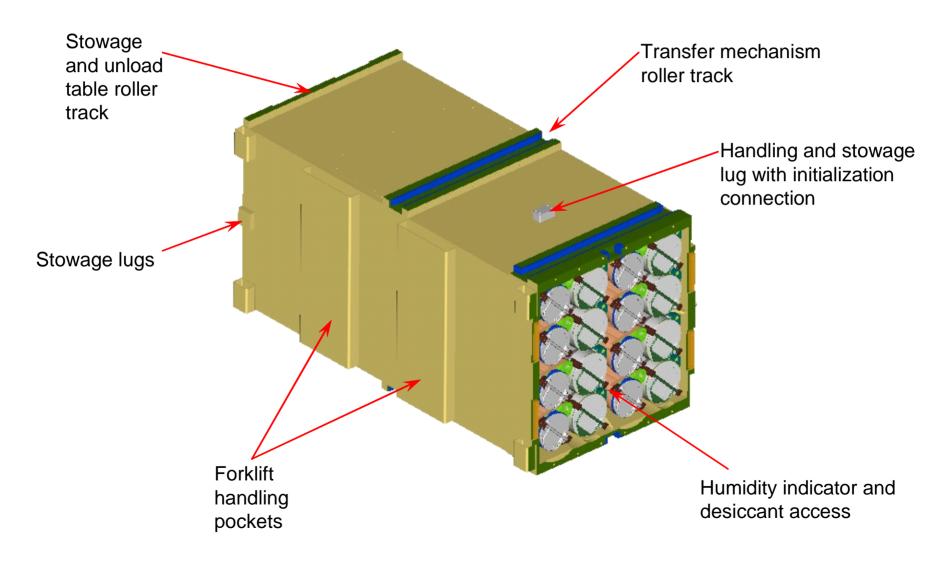
AGS Gun Mt Overview



AGS Magazine Overview



AGS Pallet Overview



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Advanced Gun System (AGS) & Magazine



Accomplishments

Component testing to validate design

Gun and Magazine single axis testing (SAT), multi-axis testing (MAT), and factory acceptance testing (FAT) complete

Gun mount and magazine integrated testing at Dugway, UT Land-Based Test Site

Verified maximum rate of fire of 10 rounds per minute Verified maximum rate of fire in 8-round bursts Verified magazine capable of unloading all 8 complete rounds from pallet in 45 seconds or less

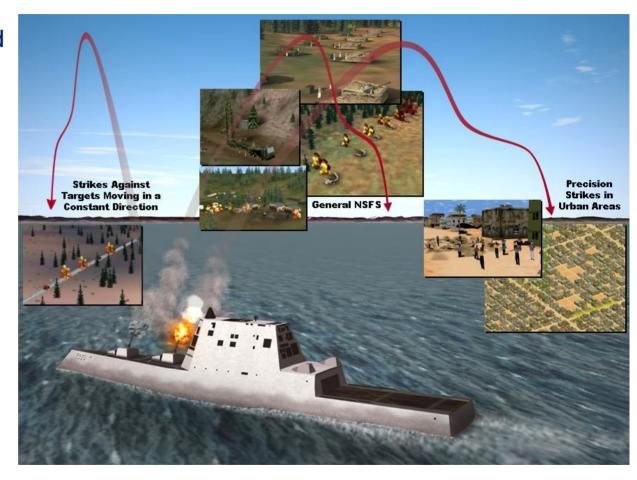






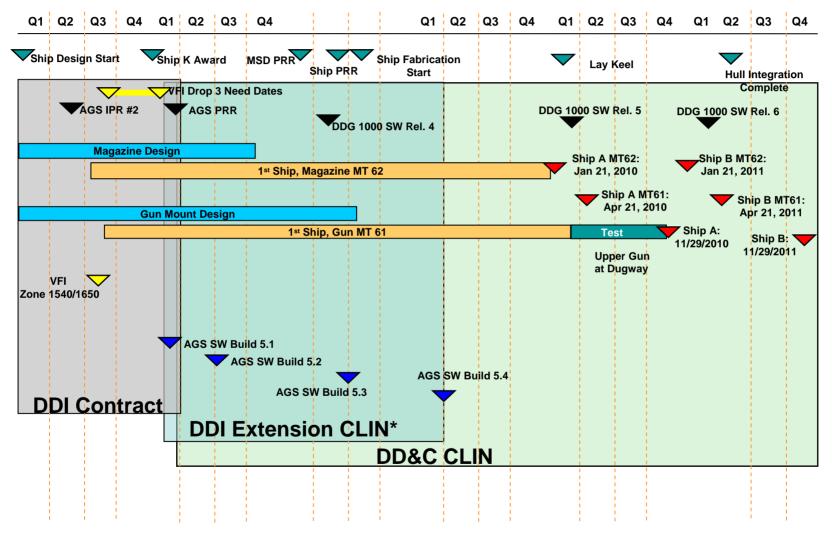
AGS Fire Control

- Provides a set of services to support the planning and execution of EAGS engagements
 - Estimation of number of rounds and estimated effectiveness
 - Determination of target aim points and fuzing
 - Calculation of firing solutions
 - ★ Guided and unguided projectile trajectories
 - **★** Gun pointing angles
 - ★ Time of flight
 - **★** Terminal conditions
- Supports up to 6 round AGS Multiple Round Simultaneous Impact (MRSI) engagement execution



name

AGS Program Schedule



^{*} Minimal effort extends through Sept 2013

AGS Summary

- •Rapid Response
- •Will Deliver Precision, High Volume Fire In Support Of The Warfighter
- •High Reliability
- •Major Technologies Demonstrated Through EDM

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