

# **GENERAL DYNAMICS**

Ordnance and Tactical Systems

## **Direct Fire Ammunition Industry View**

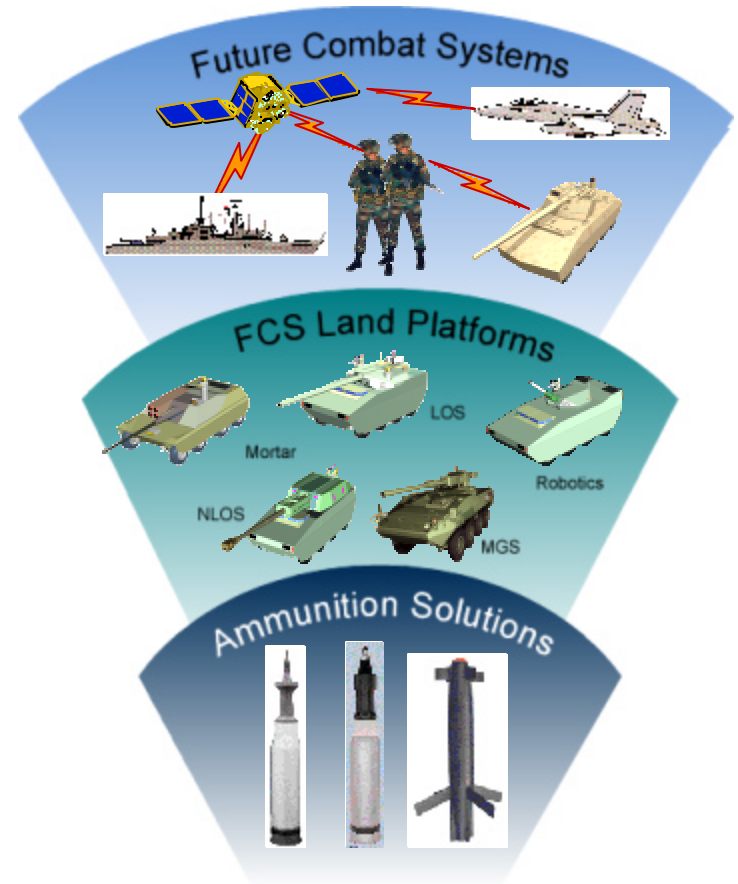
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# “Systems of Systems - Ammo?”

- The Army is on the right path using a “System of Systems” approach to the development and fielding of the Objective Force
- This same approach must flow down to the ammunition level – FCS Platform ammunition needs to be developed concurrently as a system within a system....



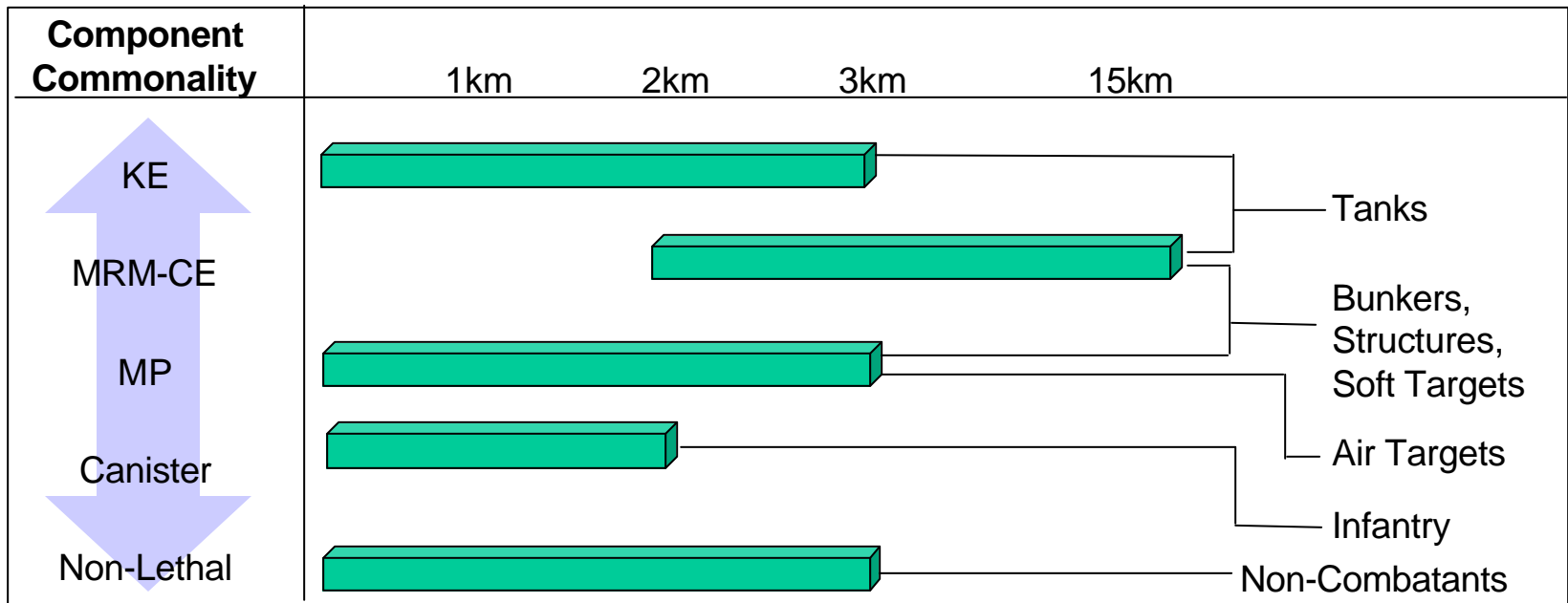
**Concurrent systems development is the most efficient approach to ensure successful transformation of the Army into the most deployable and effective force in the world**





# Maximize the Benefits of the Entire Suite

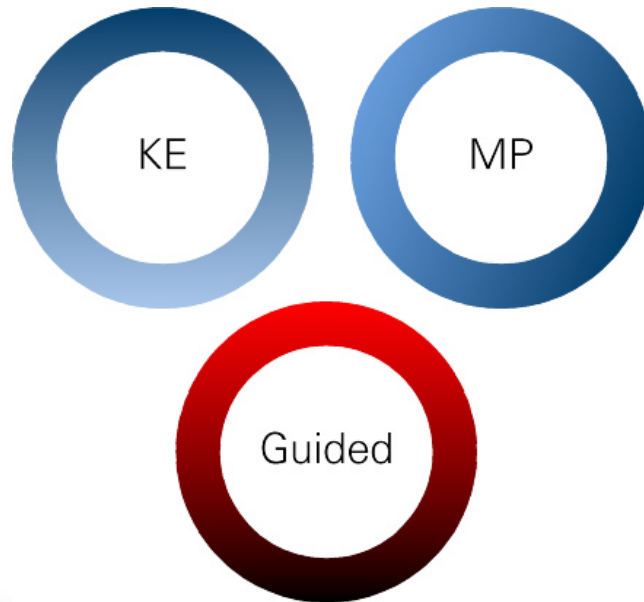
- A concurrent systems approach reduces the risk of capability gaps and enables maximum component commonality
  - Trades dictate individual round configuration and capabilities within the ammunition family



# Spiral Development of the Ammo System

- Provides a cohesive spiral development path for the platform ammunition suite
  - technology development and block upgrades are incorporated from an ammunition systems perspective
  - Ensures the most efficient use of Government S&T funding eliminating redundant efforts
  - Optimal leveraging of technology development across the ammunition suite

Individual Round Spiral Development



Ammunition Suite Spiral Development



# We Can Get There!

- The Army must approach the development of platform ammunition as a key system within the FCS “system of systems”
  - The Army cannot afford to fund and develop an FCS ammunition development as independent rounds.
    - Piecemeal funding and development will not achieve best value and performance
- The FCS platform ammunition must be developed concurrently as a system to achieve the highest level capability in the most cost effective manner

**Ultimately, the lethality of the Objective Force will be determined by the effectiveness of the ammunition**

