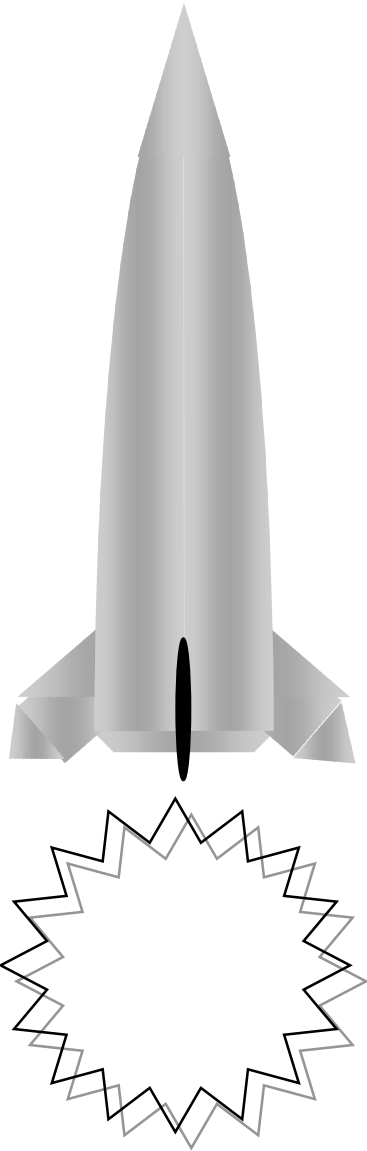


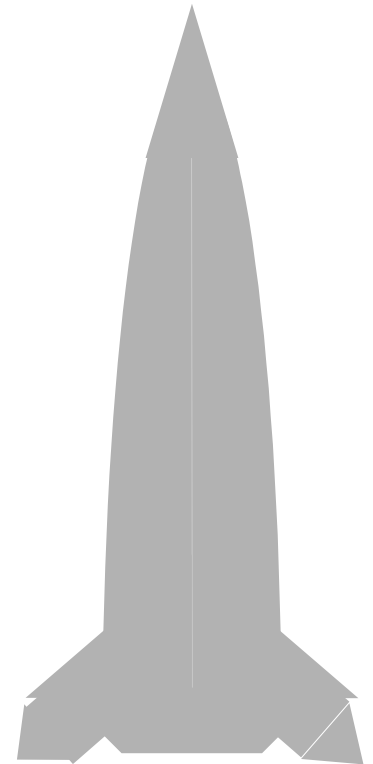
Integrating the ATACM



- GPS aided inertial
- >200 submunitions
- >200 km range
- IOC 1997

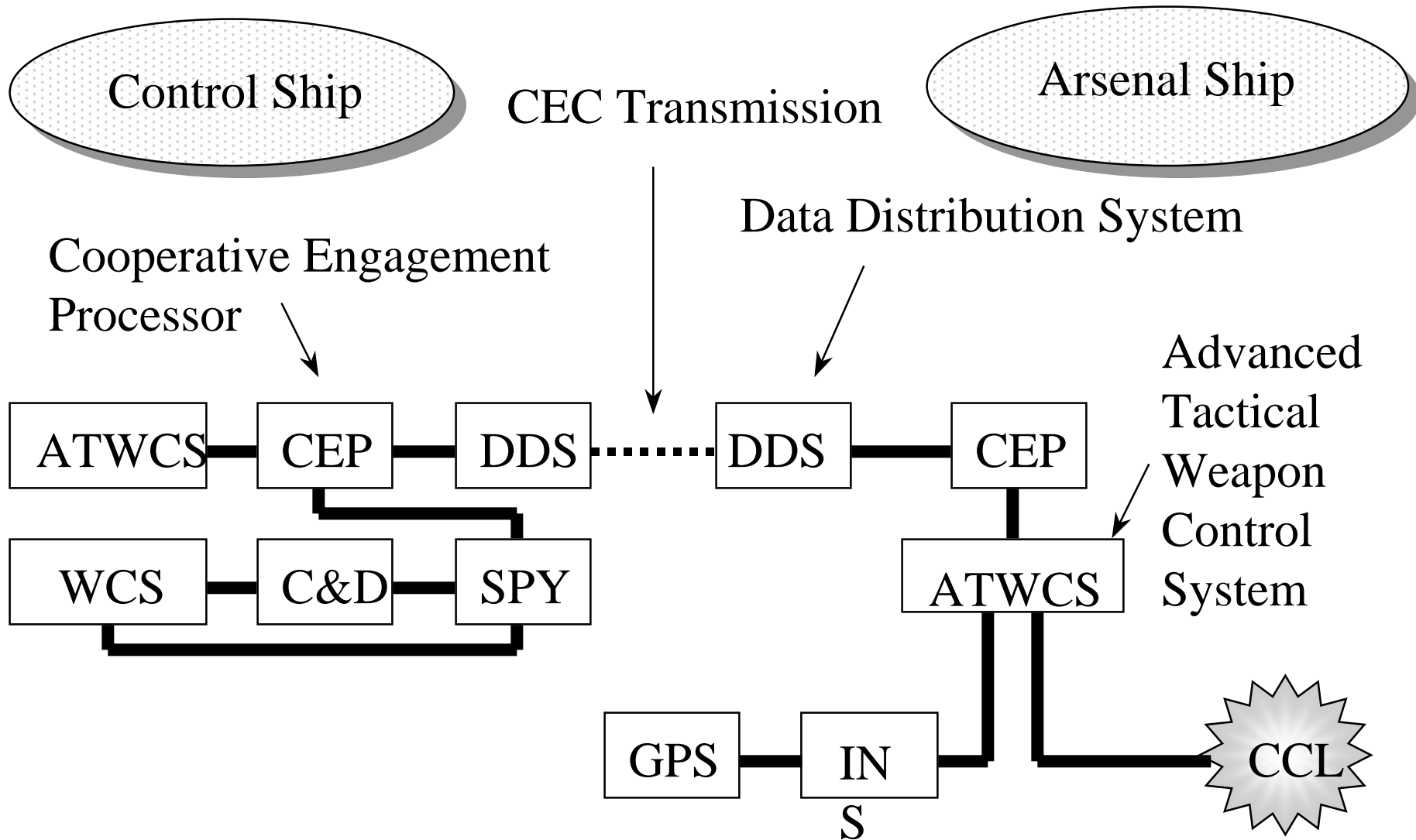
Issues:

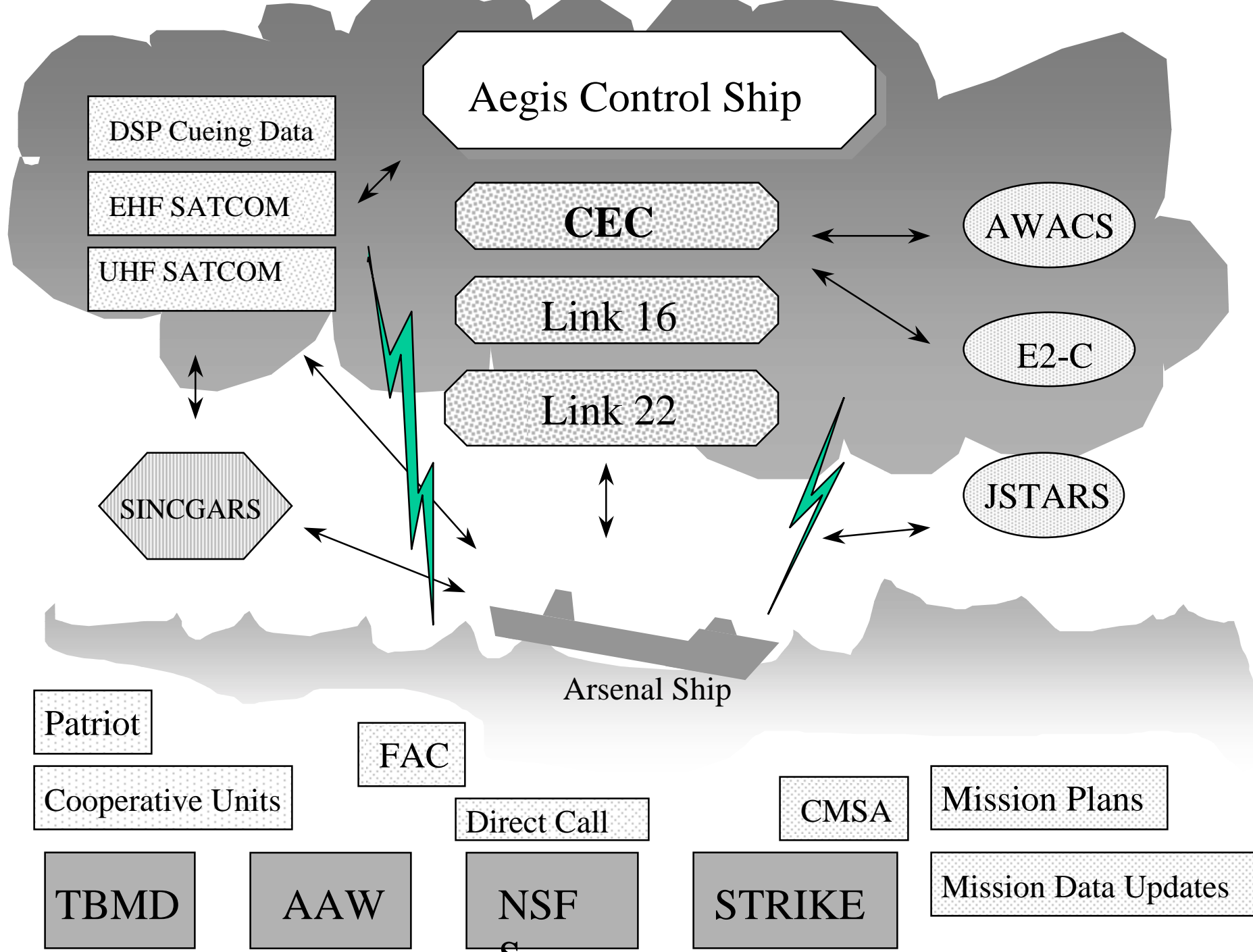
- Software/Hardware*
- ATWCS control*



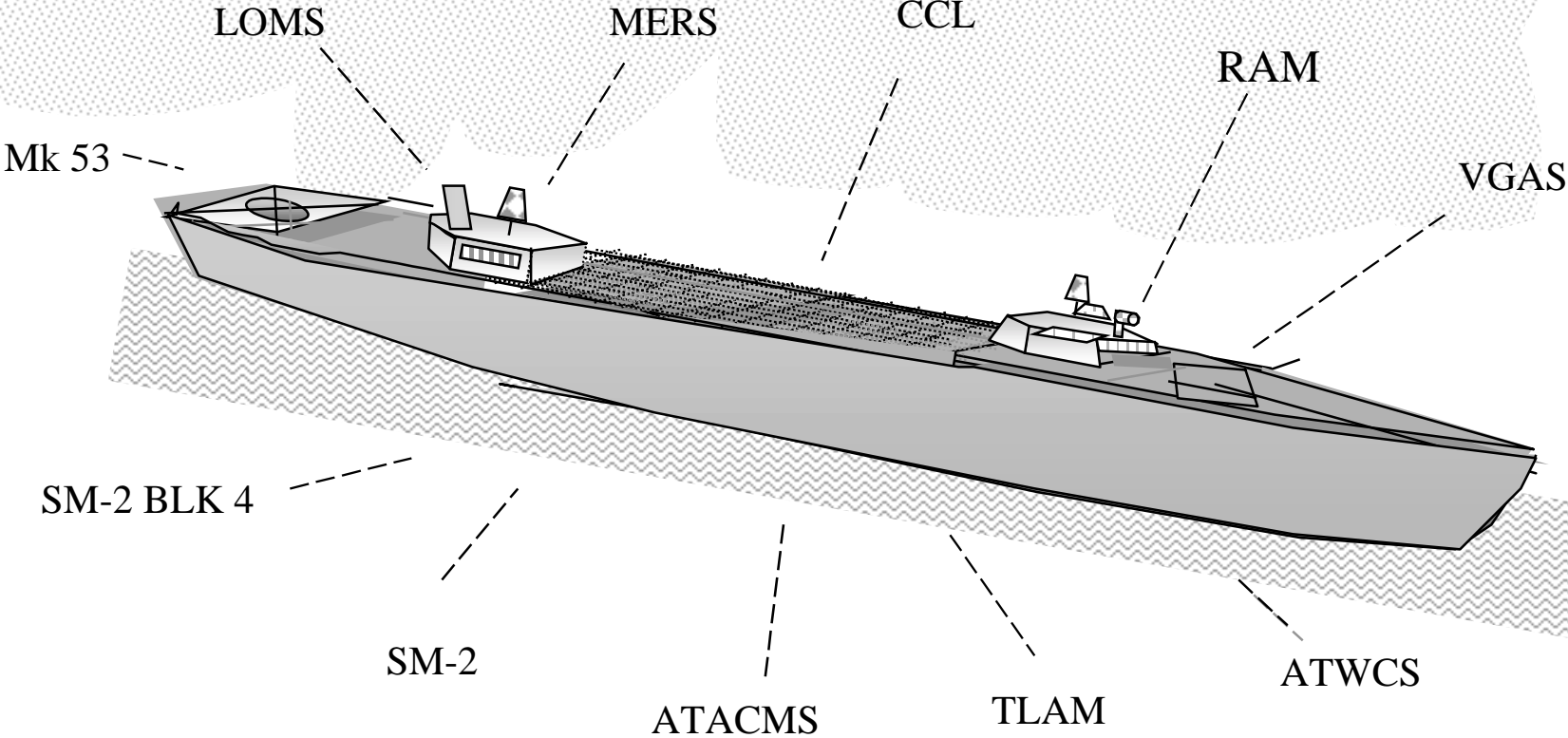
BLK IA

Remote Firing Capability

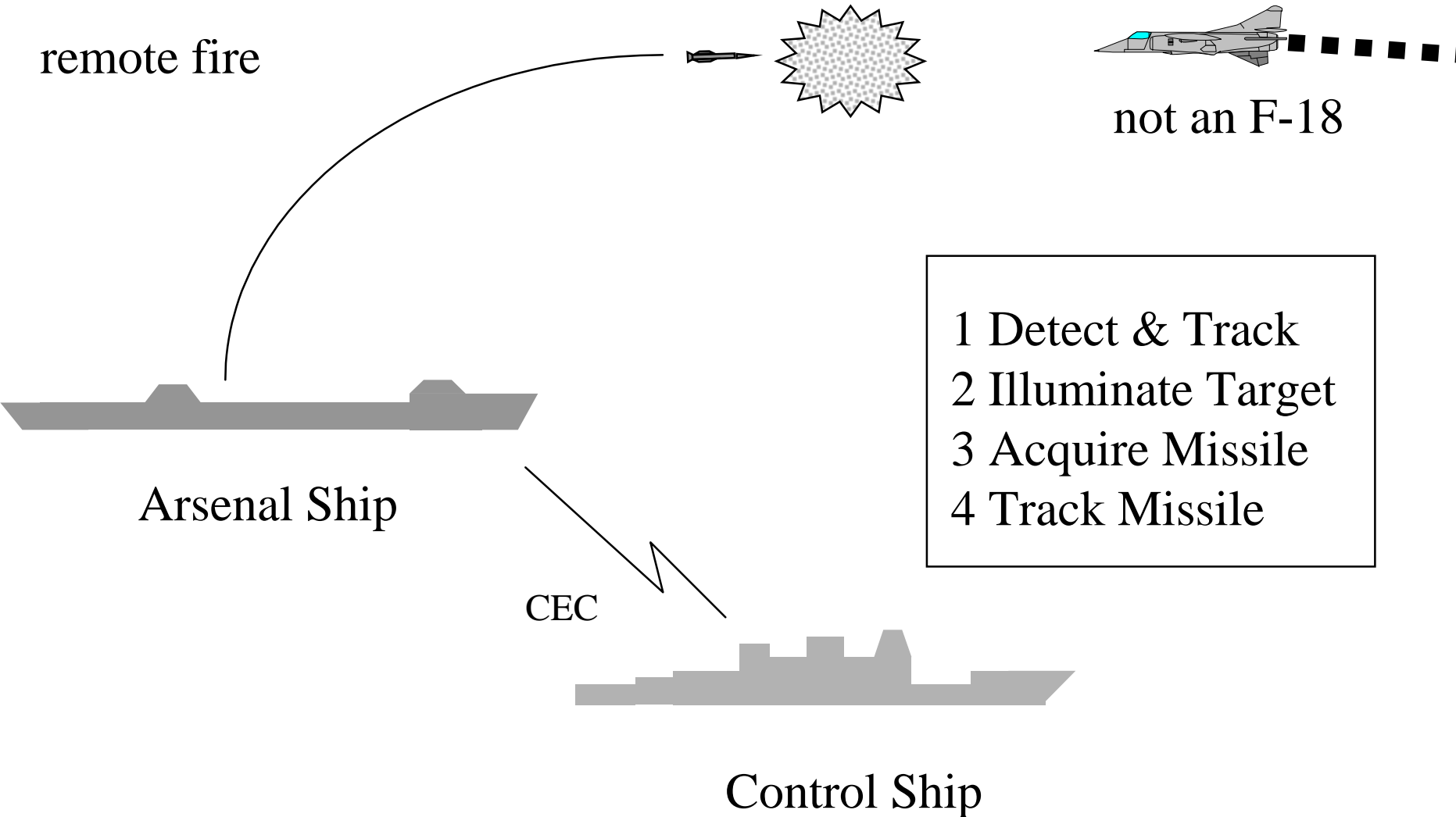




The Arsenal Ship Combat System

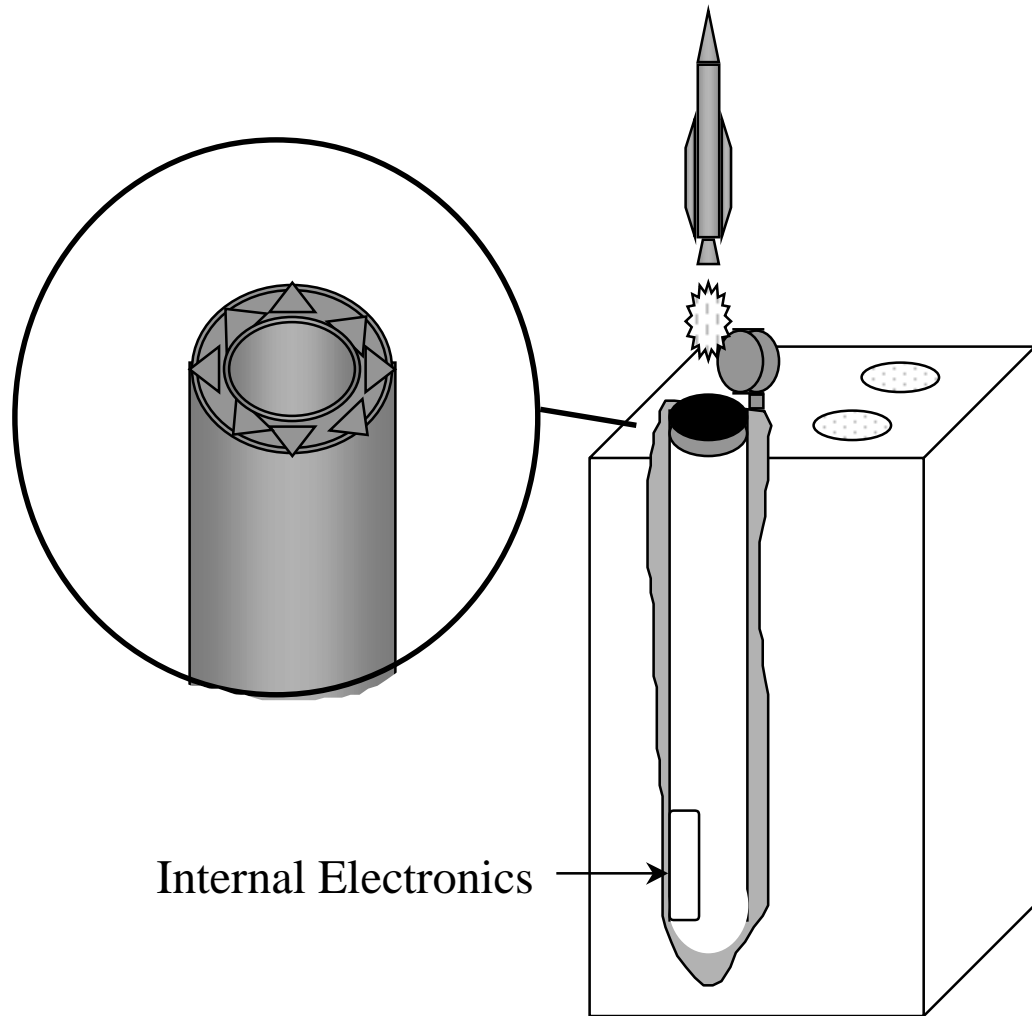


SM-2 Remote Launch

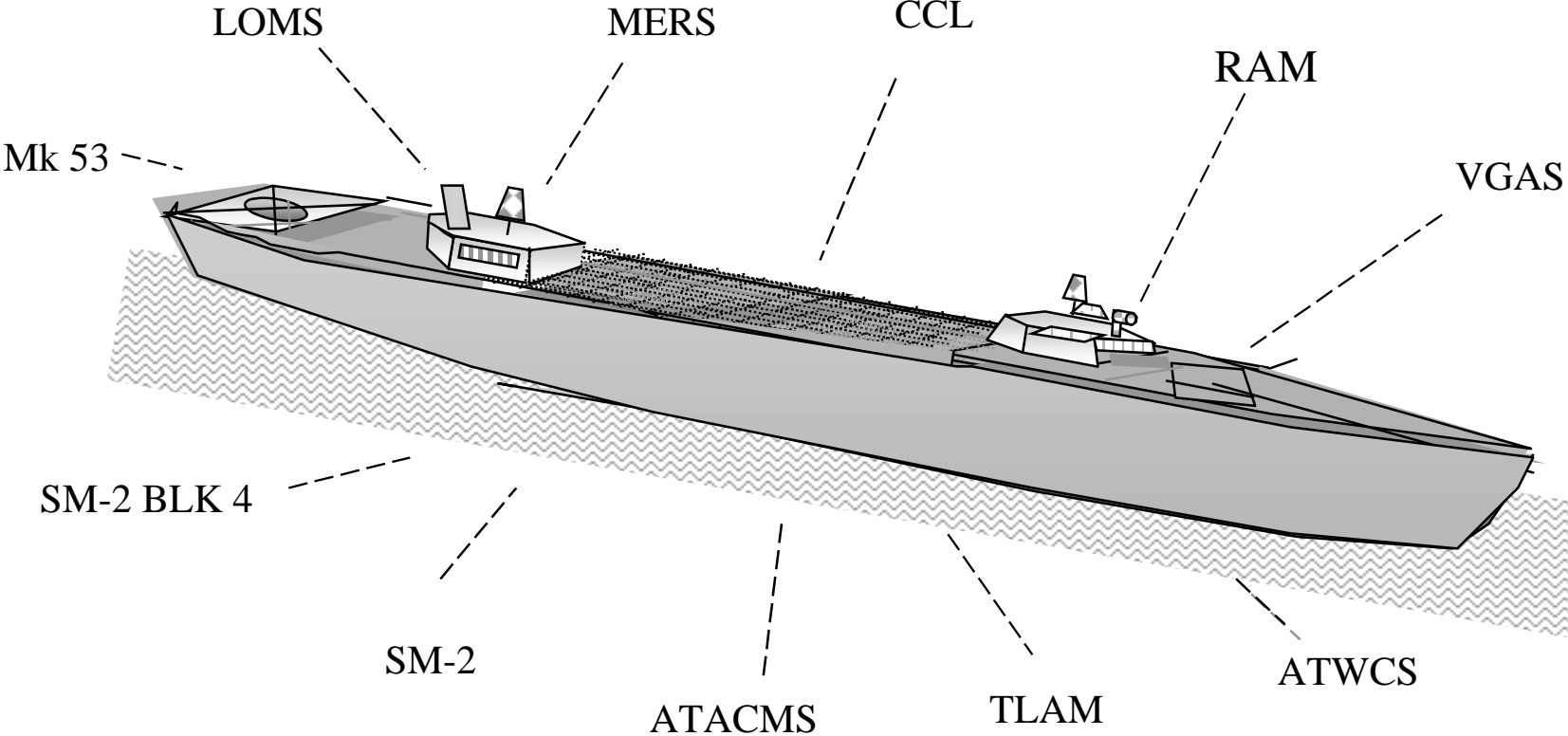


“Concentric Canisterized” Launcher

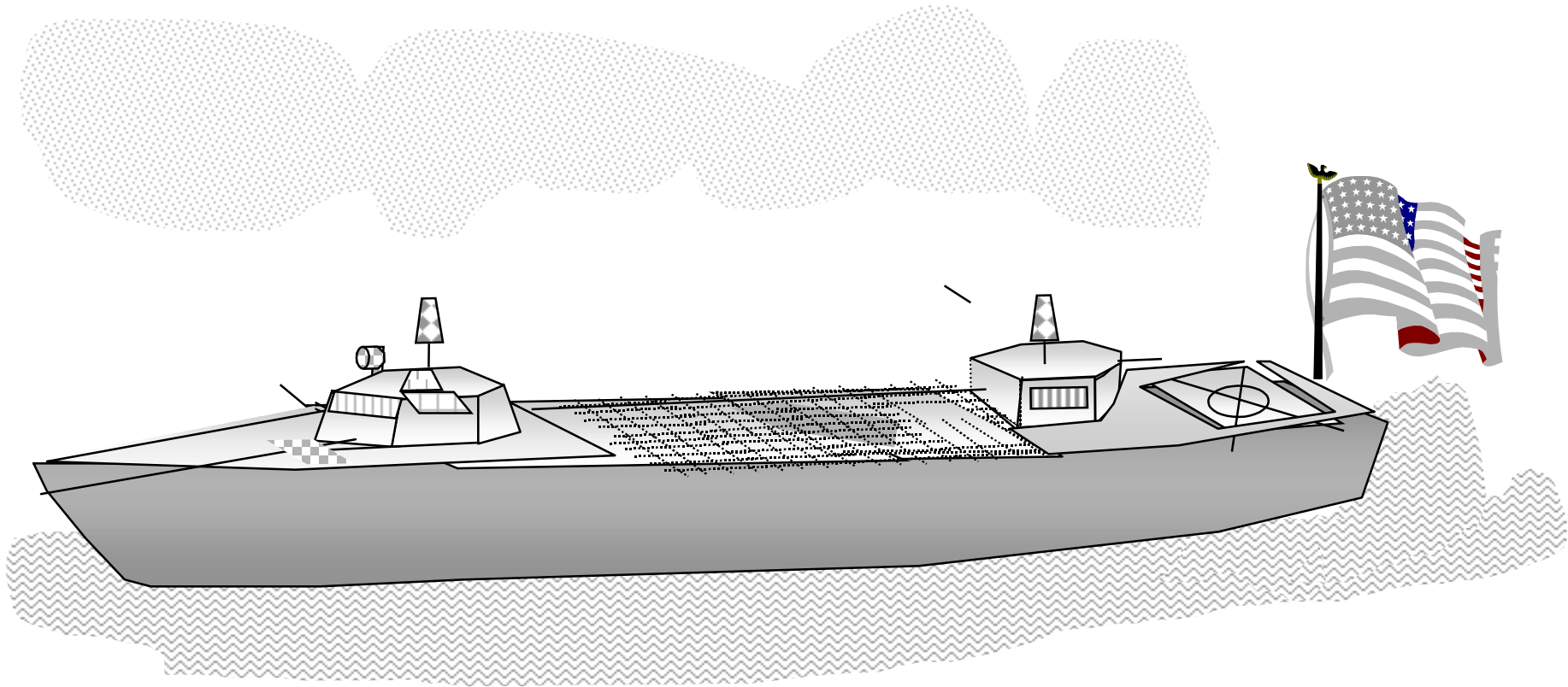
- Concentric Tubes Launcher
- Anti-fragmentation Shields
- Concentric Plenum
- COTS/Open Electronics
- Under development



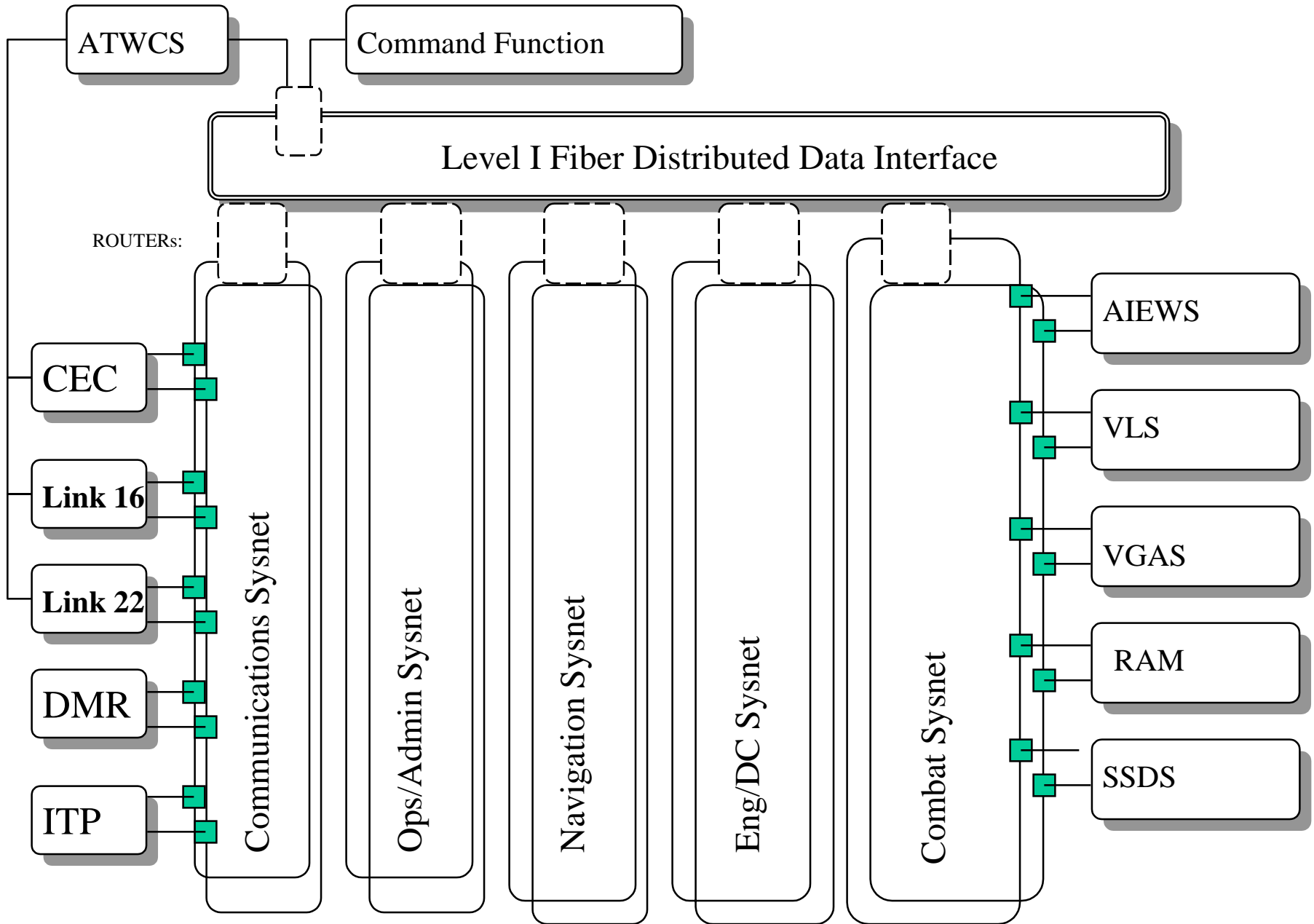
The Arsenal Ship Combat System



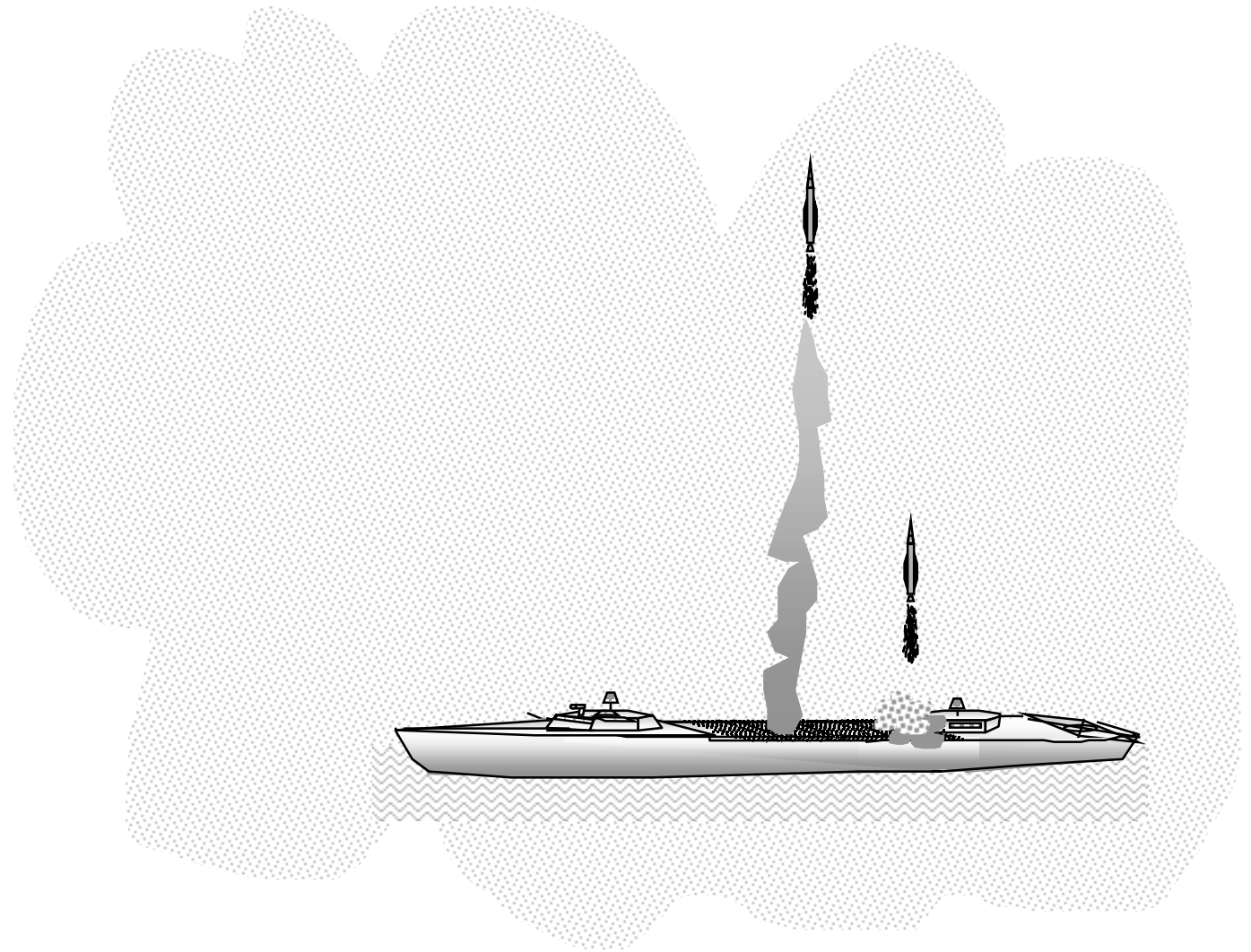
“Standing by for missile launch on your command...!”



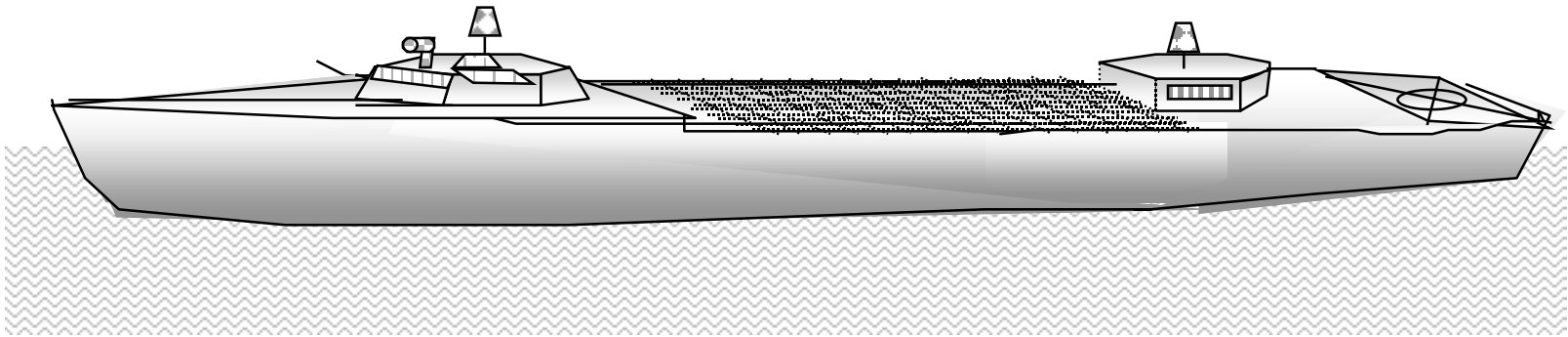
Arsenal Ship System Architecture



Remote Firing on the Arsenal Ship

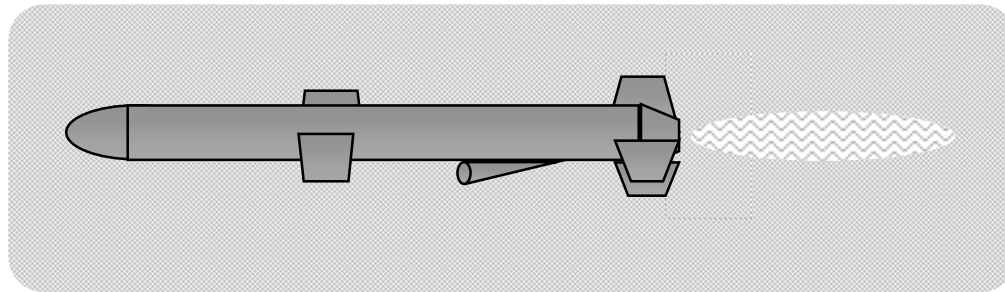


The Arsenal Ship Combat System



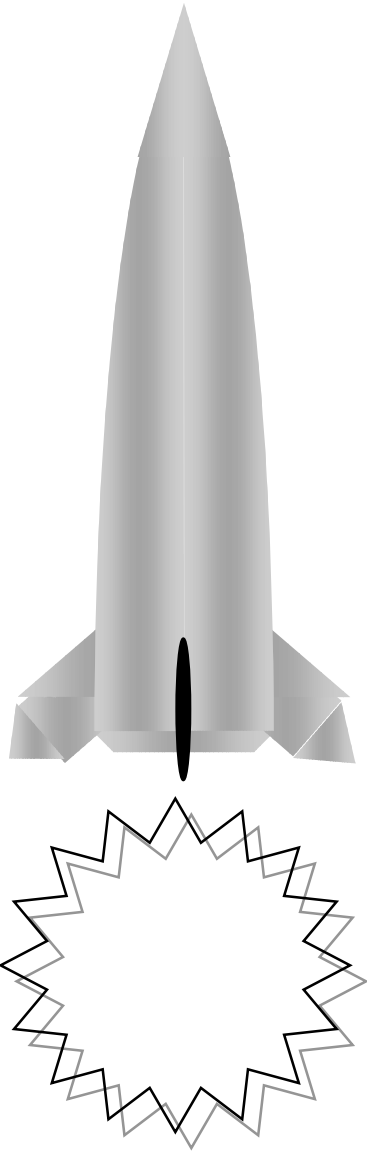
Designing the first Surface Combatant
of the 21st Century

Tomahawk Land Attack Missile Integration



- Control Ship maintains planning and control responsibility
- Advanced Tactical Weapon Control System
- CEC/link 16/link 22 provide reliable communication
- Arsenal Ship is the remote magazine for the Control Ship

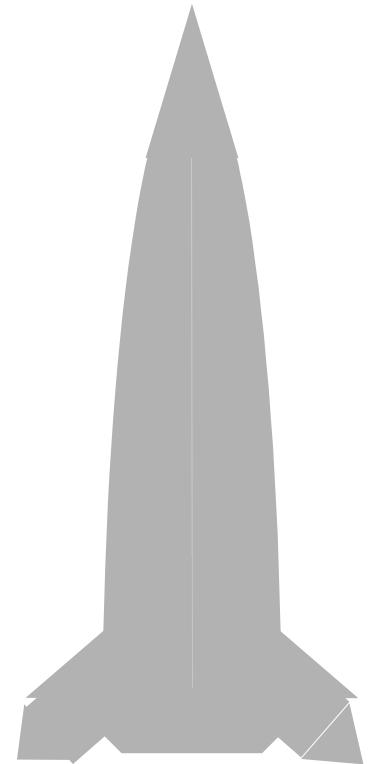
Integrating the ATACM



- GPS aided inertial
- 300 submunitions
- 300 km range
- IOC 1997

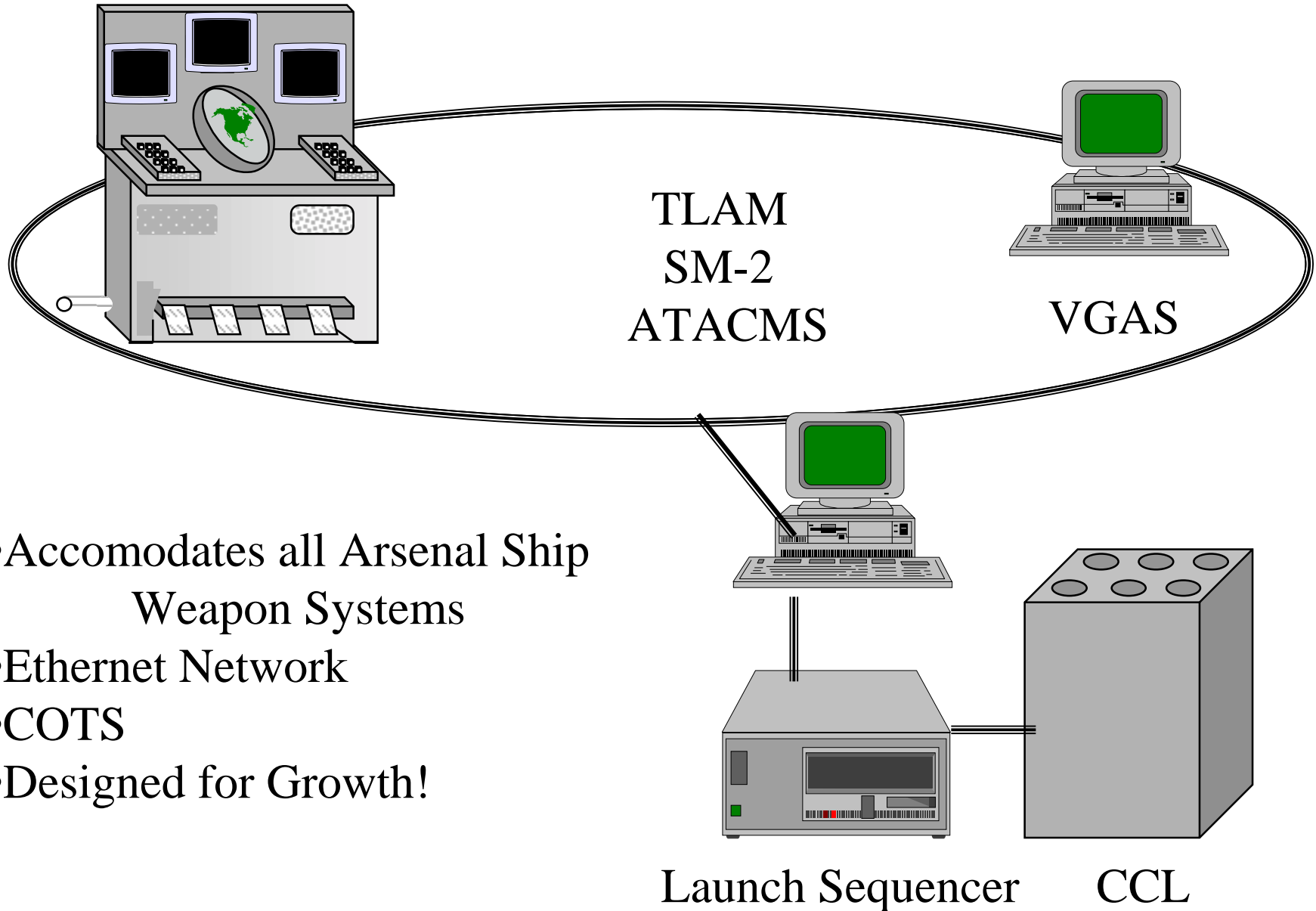
Issues:

- Software/Hardware*
- ATWCS control*

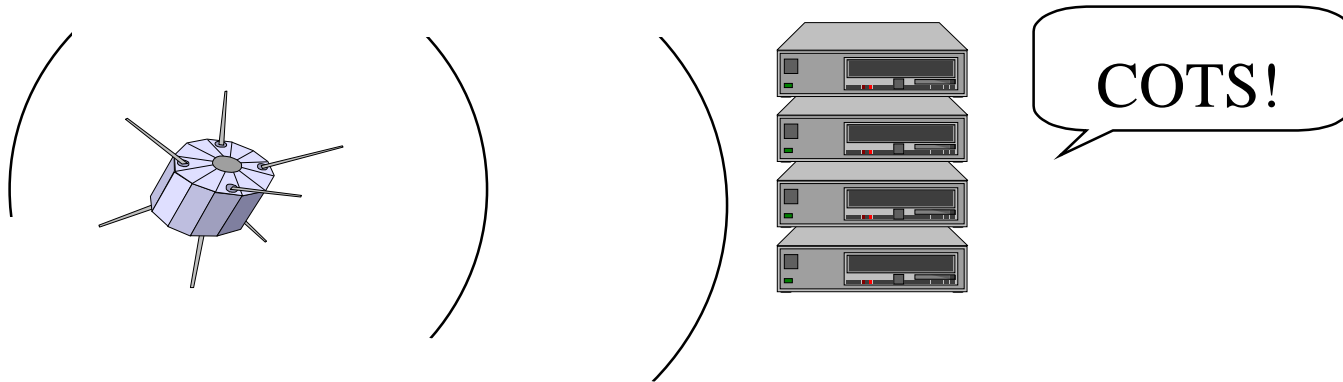


BLK IA

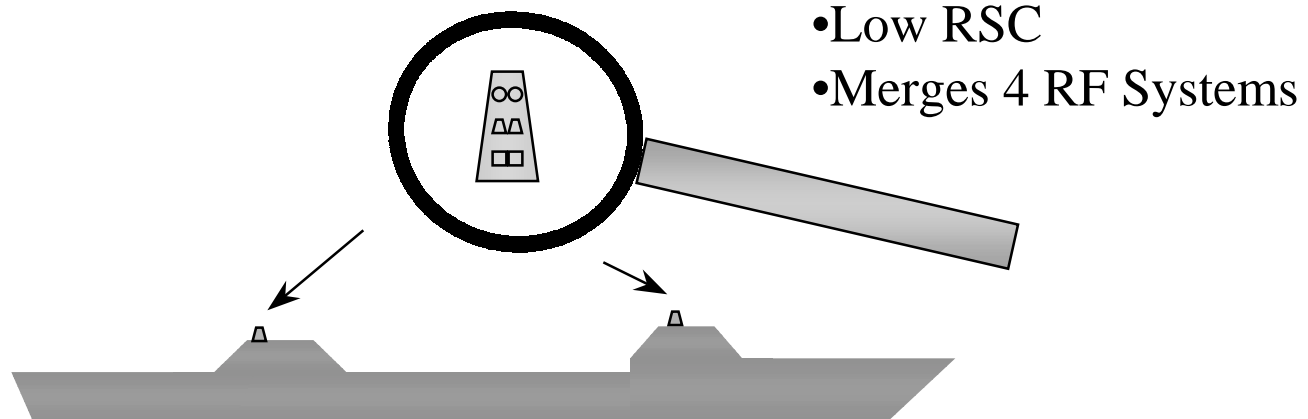
Advanced Tactical Weapon Control System



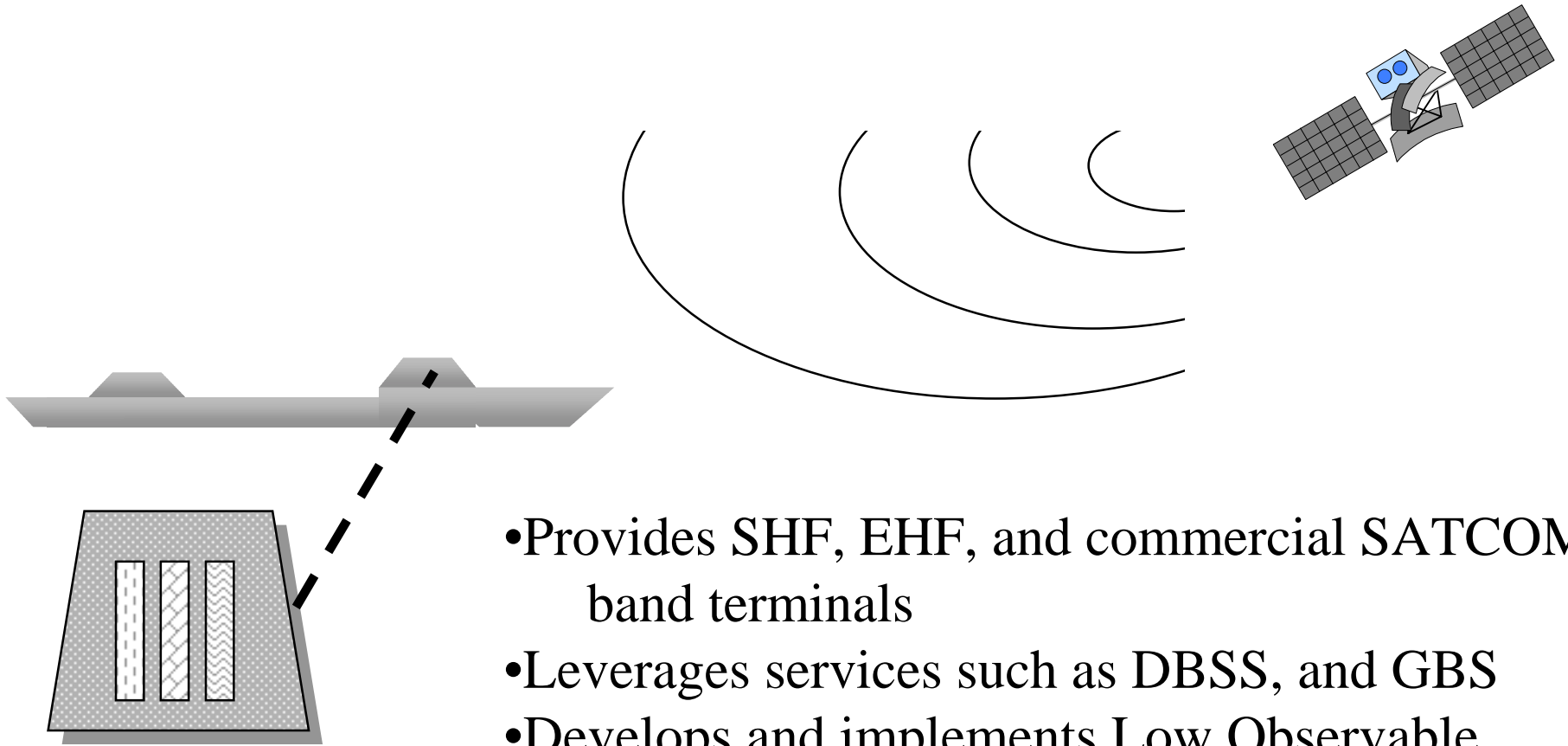
The Digital Network System



- Uses modular HF, VHF, UHF radio components
- Fields the Multifunction Electromagnetic Radiating System

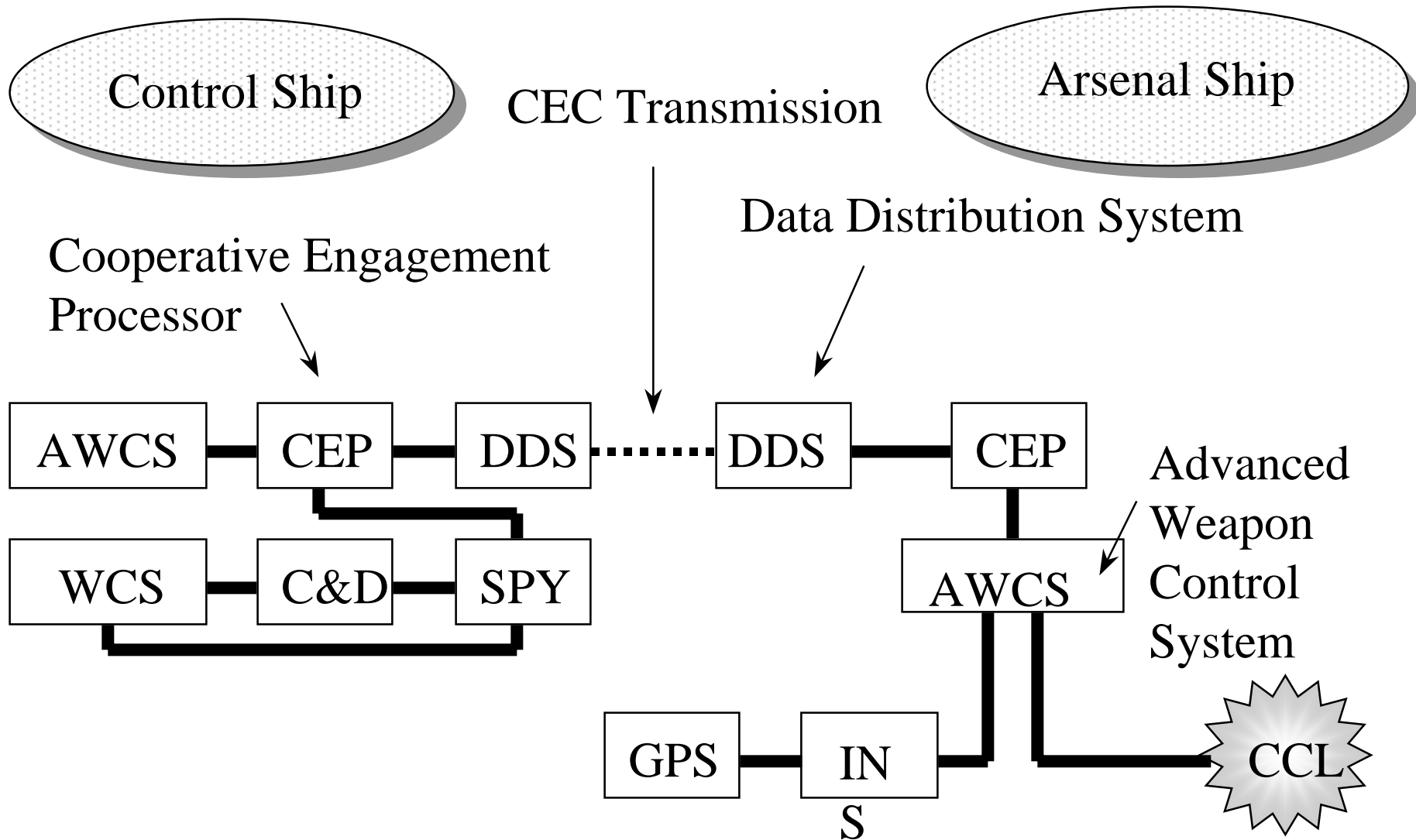


Integrated Terminal Program



- Provides SHF, EHF, and commercial SATCOM band terminals
- Leverages services such as DBSS, and GBS
- Develops and implements Low Observable Multifunction Stack
- Integrates SATCOM antennas into single structure

Remote Firing Capability



The Vertical Gun for Advanced Ships (VGAS)

This Space Reserved!

- Enclosed in VLS cell
- Guided Projectile
- Fixed Mount
- ATWCS interfaced
- Future NSFS Weapon

