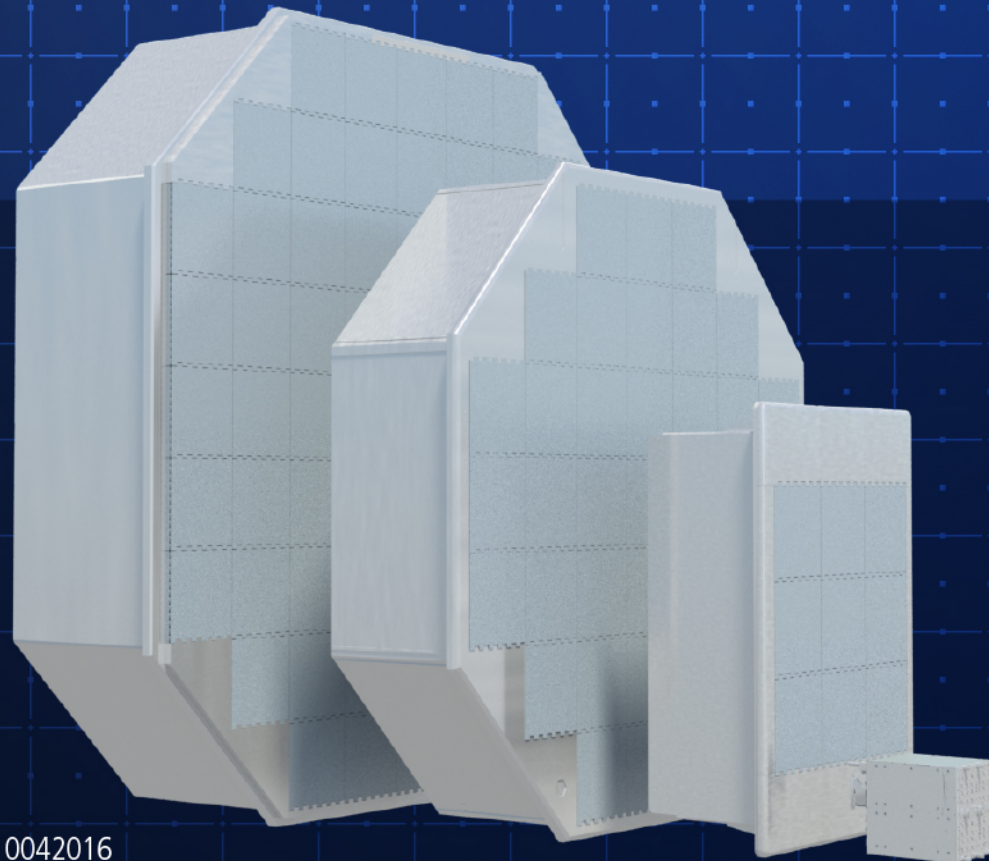


THE
AIR AND MISSILE DEFENSE RADAR (AN/SPY-6(V))
IS THE U.S. NAVY'S NEXT GENERATION
INTEGRATED AIR AND MISSILE DEFENSE RADAR.



IT ENHANCES SHIPS' ABILITIES TO
DETECT, TRACK AND DISCRIMINATE
AIR, SURFACE AND BALLISTIC MISSILE TARGETS.



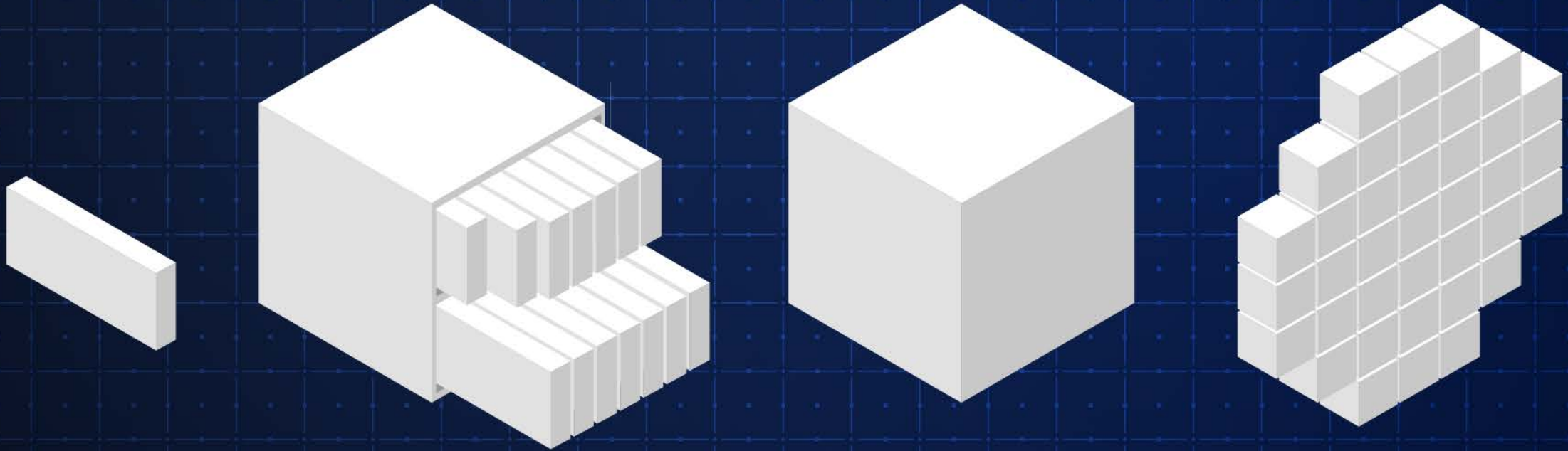
AMDR IS BUILT WITH
INDIVIDUAL BUILDING
BLOCKS CALLED

**RADAR
MODULAR
ASSEMBLIES**

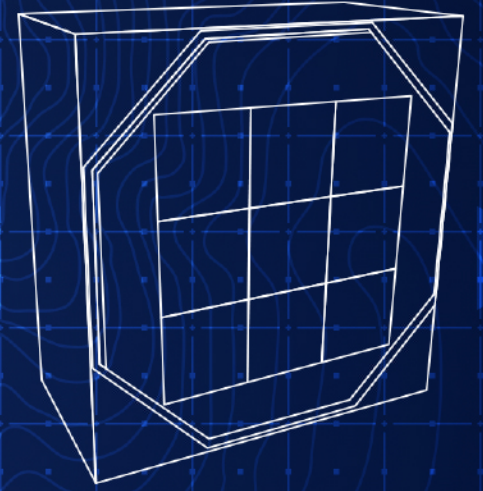
BETTER KNOWN AS

RAMAS

EACH RMA IS A



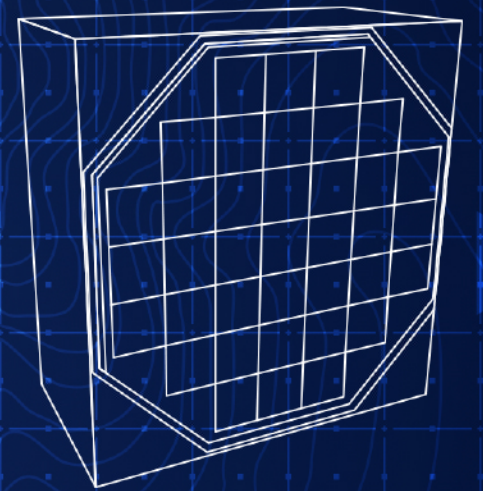
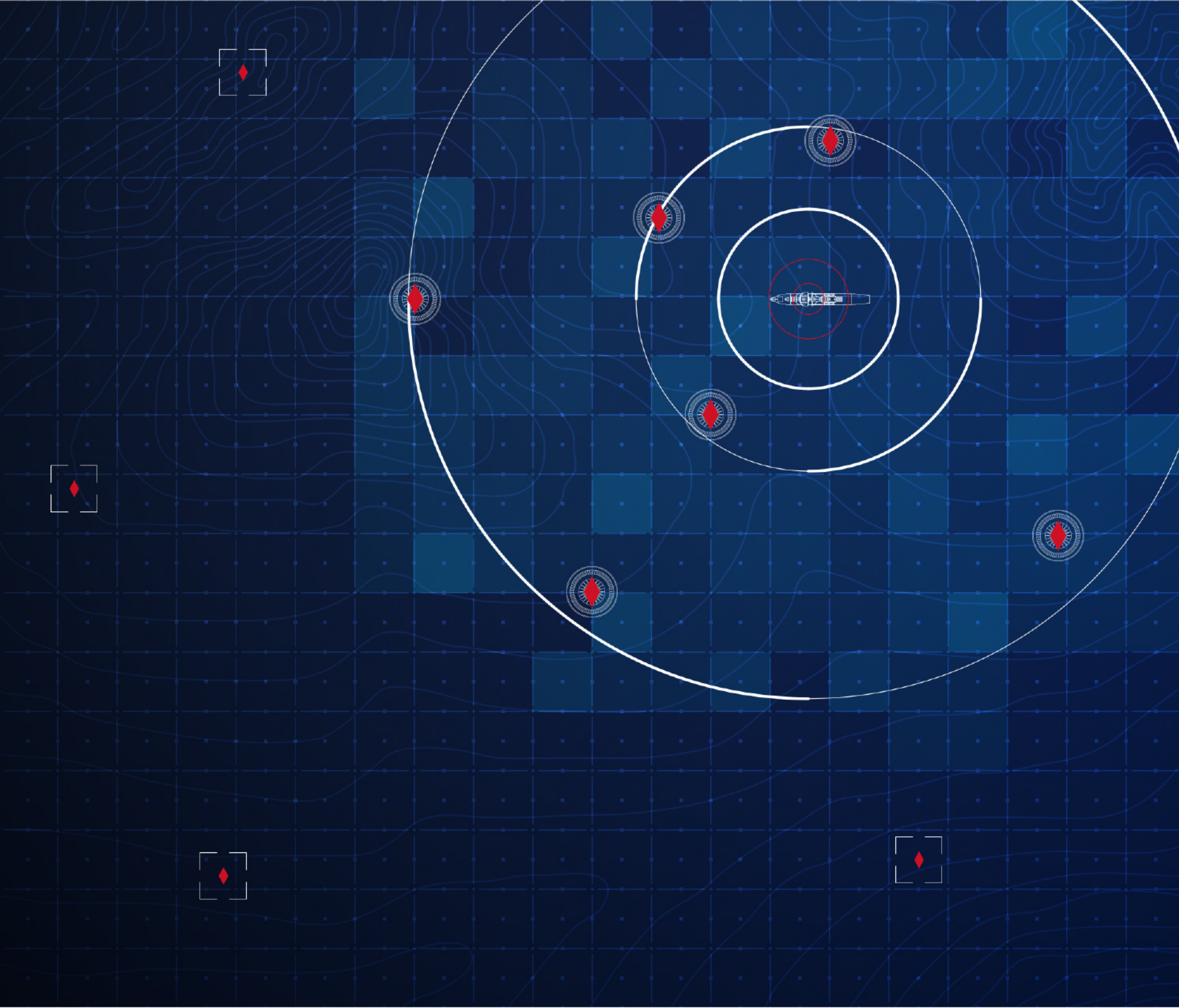
**SELF-CONTAINED
RADAR IN A BOX**



9 RMA*

9 RMAs ARE
COMPARABLE IN
SENSITIVITY TO
THE CURRENT
RADAR ON
TODAY'S NAVY
DESTROYERS

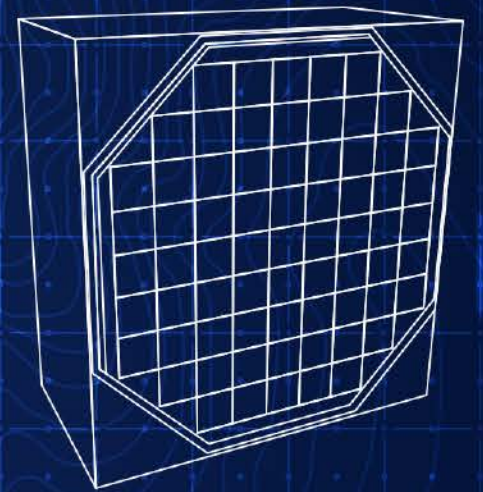
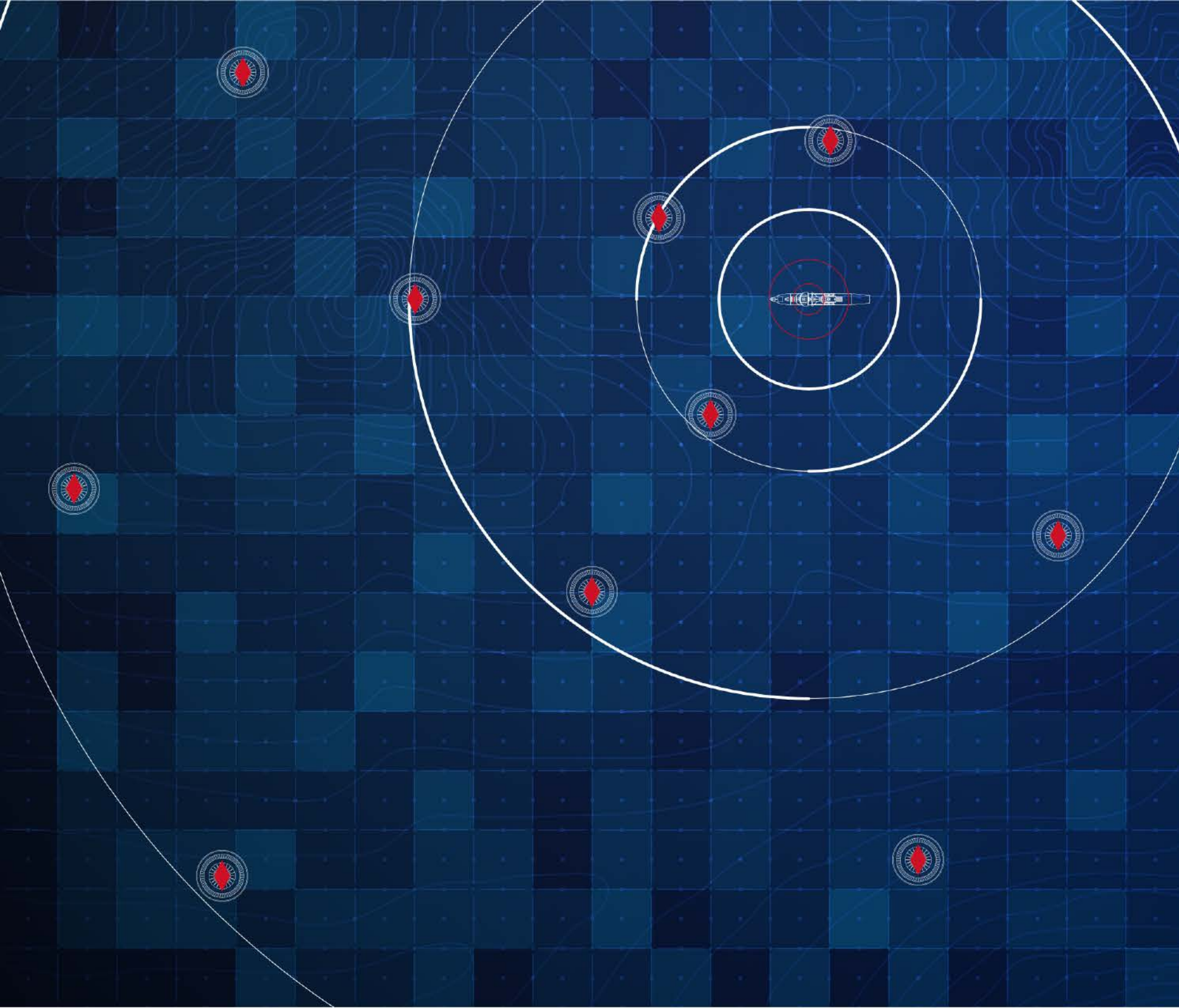
*EASR CONFIGURATION



37 RMA*

37 RMAs CAN
SEE A TARGET OF
HALF THE SIZE
AT TWICE THE
DISTANCE
OF RADARS ON
TODAY'S NAVY
DESTROYERS

**SPY-6(V) CONFIGURATION FOR DDG 51 FLIGHT III*



69 RMA

69 RMAs CAN
SEE A TARGET OF
HALF THE SIZE
AT ALMOST
FOUR TIMES
THE DISTANCE

THE AMDR ADVANTAGE

+

MISSION

+

CAPABILITIES

+

SCALABILITY

+

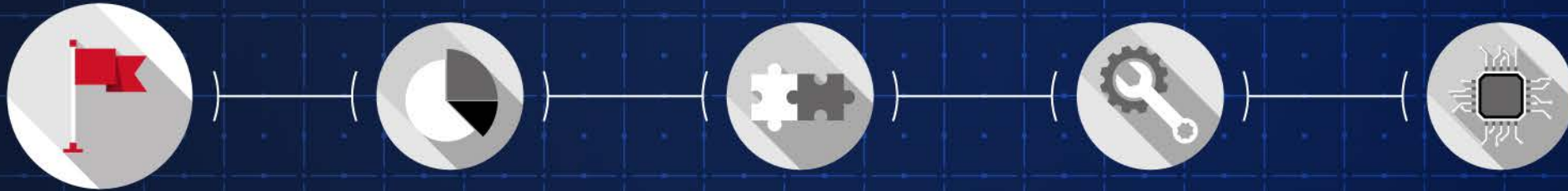
MAINTENANCE

+

INNOVATION

MISSION

THE AMDR ADVANTAGE



AMDR PROVIDES:

- SIMULTANEOUS, 360° INTEGRATED AIR AND MISSILE DEFENSE
 - BALLISTIC MISSILE DEFENSE, ANTI-AIR WARFARE, ANTI-SURFACE WARFARE
- DETECTION IN ADVERSE AND HIGH-CLUTTER ENVIRONMENTS



ADVANCEMENTS OVER CURRENTLY DEPLOYED RADARS INCLUDE:

- GREATER DETECTION RANGES AND INCREASED DISCRIMINATION ACCURACY*
 - MORE THAN TWICE THE RANGE
 - MORE THAN 30 TIMES MORE SENSITIVE
 - INCREASED RAID HANDLING
- FULL-TIME, 360° SITUATIONAL AWARENESS
- ADVANCED ELECTRONIC PROTECTION

**SPY-6(V) 37 RMA configuration for the DDG 51 Flight III*

SCALABILITY

THE AMDR ADVANTAGE



RADAR MODULAR ASSEMBLIES ARE FUNCTIONAL RADARS IN A 2' X 2' X 2' BOX. THEY ENABLE:

- CONFIGURATIONS TO SUIT ANY SHIP SIZE OR MISSION NEED
 - 9 RMAs (EASR) ARE EQUIVALENT TO THE SENSITIVITY OF TODAY'S AN/SPY-1D(V) RADAR
 - 37 RMAs (SPY-6(V)) PROVIDE SPY-1 +15dB CAPABILITY
 - 69 RMAs PROVIDE SPY-1 +25dB CAPABILITY
- UPGRADES TO MEET BACKFIT, FORWARD FIT AND MISSION REQUIREMENTS SUPPORTED BY TAILORABLE, REPROGRAMMABLE SOFTWARE AND HARDWARE



DESIGNED FOR RELIABILITY AND MAINTAINABILITY, AMDR IS EASILY MAINTAINED AND REPAIRED. THE RADAR:

- HAS 70% FEWER UNIQUE PARTS (LINE REPLACEABLE UNITS) THAN CURRENT RADARS
- REQUIRES ONLY TWO TOOLS TO REPAIR OR REPLACE LRUS – REPLACEMENT CAN BE DONE IN LESS THAN SIX MINUTES

INNOVATION

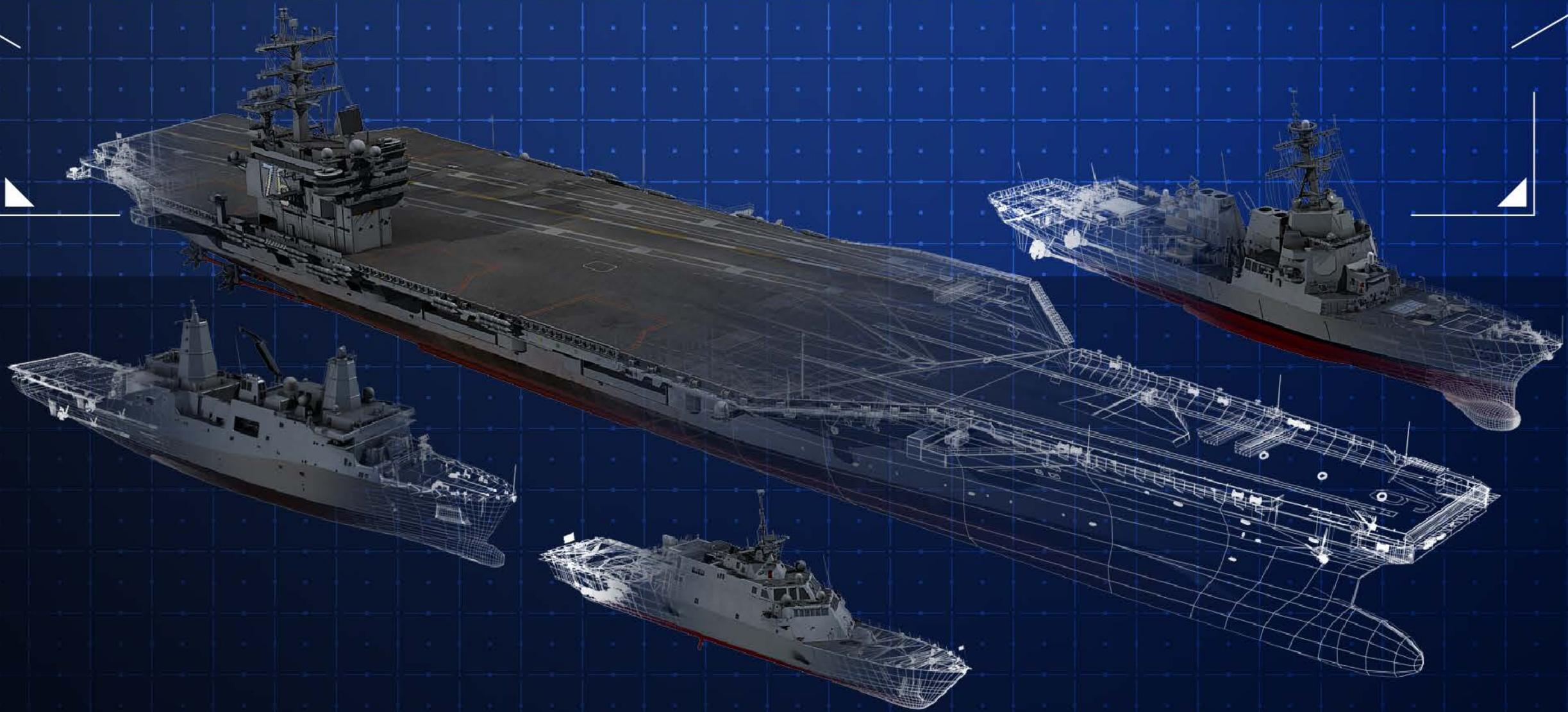
THE AMDR ADVANTAGE



**AMDR IS THE MOST INNOVATIVE RADAR IN THE WORLD.
IT BENEFITS FROM ADVANCEMENTS IN RADAR DESIGN AND
TECHNOLOGY, INCLUDING:**

- RMAs WHICH ENABLE THE RADAR'S SCALABILITY
- GaN TECHNOLOGY THAT DRIVES ITS POWER, SIZE AND EFFICIENCY
- SCALABILITY THAT ALLOWS VARIOUS CONFIGURATIONS TO SUPPORT ANY SHIP FOR ANY MISSION
- CAPABILITY THAT EXCEEDS ANY CURRENTLY DEPLOYED NAVAL RADAR
- OPEN INTERFACES FOR EASE OF INTEGRATION WITH COMBAT SYSTEMS AND WEAPONS

FITS ANY SHIP, FOR ANY MISSION.



AMDR:
THE NAVY'S FIRST
TRULY SCALABLE
RADAR.

