# U. S. NAVY SEABORNE TARGET OVERVIEW

44<sup>th</sup> Annual NDIA
Targets, UAV's & Range Operations
Symposium and Exhibition

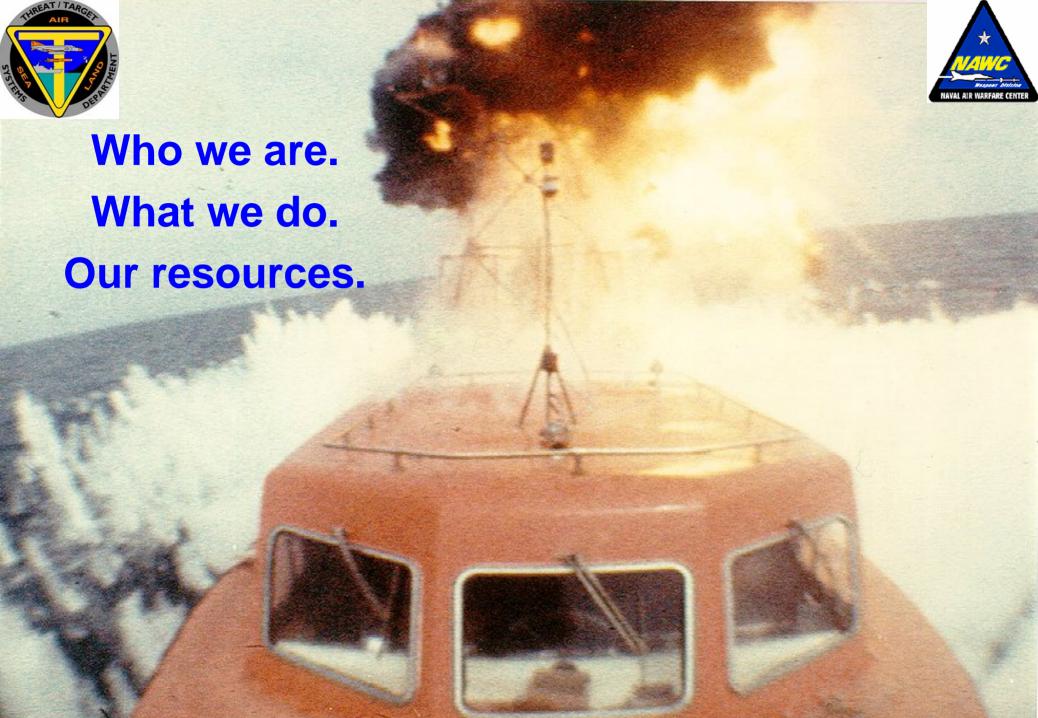
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### Surface Targets Team Mission

- Seaborne target services to the Fleet, DoD, and Foreign Military Customers in support of weapon system T&E and Fleet Training
- Navy lead for Seaborne Targets and augmentation systems
- Tri-Service Lead for Seaborne Targets





### Surface Targets Team Customer Base

#### SEABORNE TARGET DEVELOPMENT AND PRODUCTION

- OSD
- Chief of Naval Operations
- PEO Ships
- Army and Air Force

#### OPERATIONS

- Navy Weapon System Test and Evaluation
- Naval Fleet Training
- USAF Test and Evaluation
- Foreign Military Customers





## Surface Targets Team Organization

- Leadership
  - PEO Ships
  - Naval Air Warfare Center Weapons Division
- Work site
  - Naval Base Ventura County, Port Hueneme
  - Harbor essential to mission
  - Engineering prototype facilities
- Workforce

PEO

Combination of civil service and multiple support contractors



### High-Speed Maneuvering Surface Target (HSMST)







#### **Evolution**

### Fast Attack Craft Target (FACT)

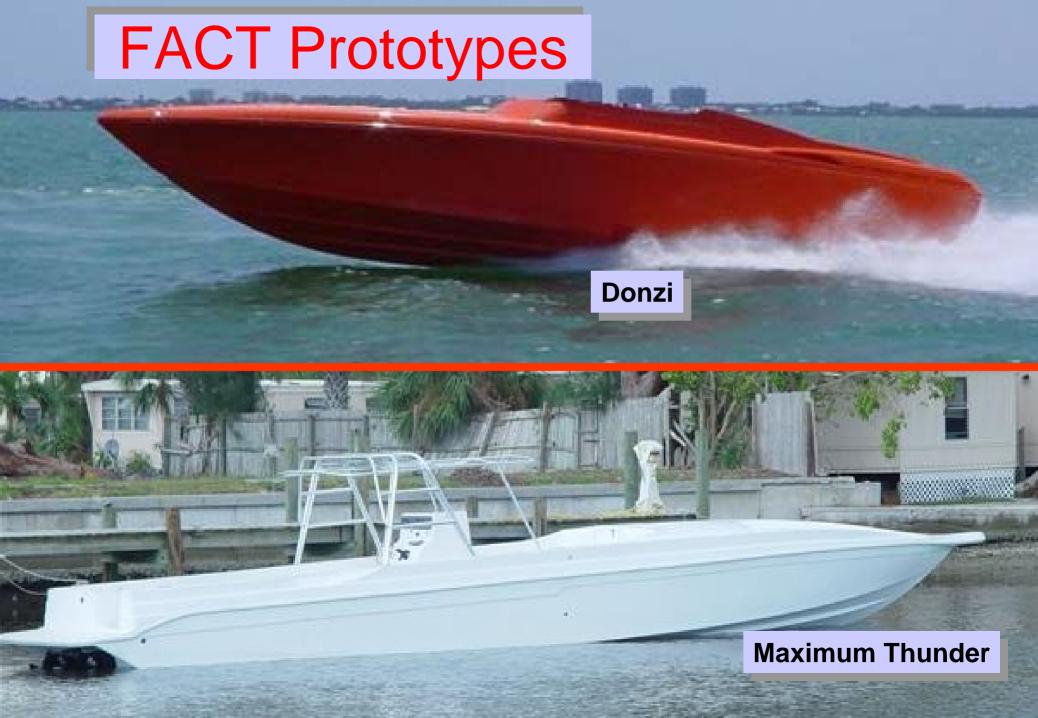
#### Requirement

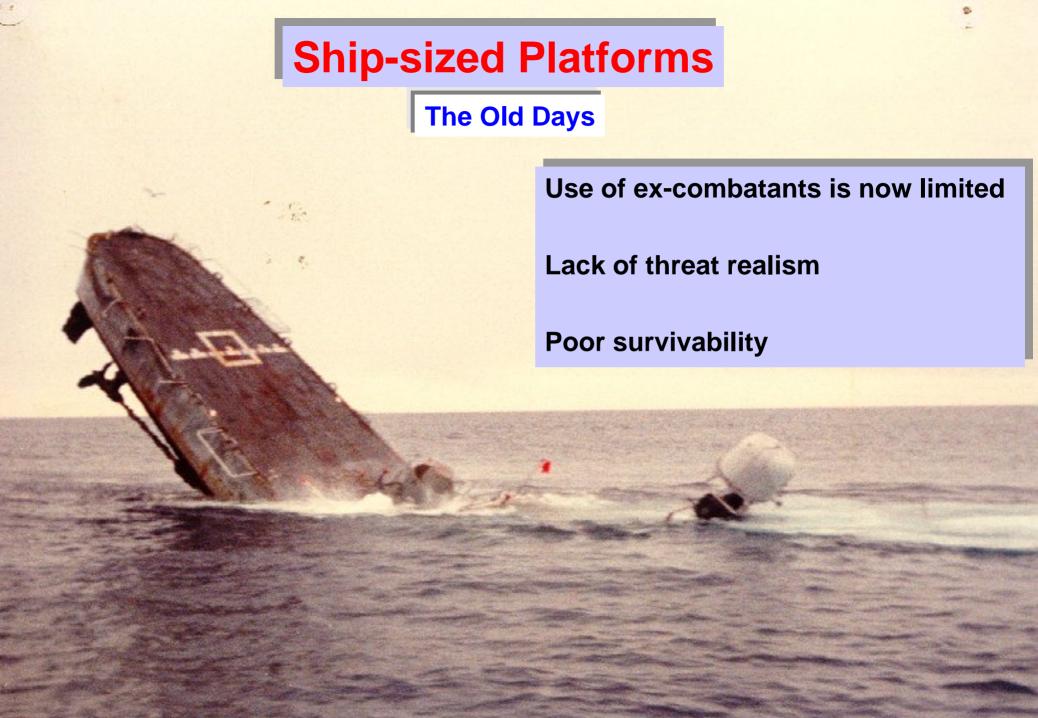


- 50+ feet
- 50+ Knots
- Survivability
  - \$350K estimated production cost (vs. \$900K)
- Capable of hi-speed towing











### Mobile Ship Target (MST)

Configurable superstructure > 50 ton deck payload



### Aerial Target Launch Ship (ATLS)



Unmanned Operation
Operation within hazard patterns
TBM testing
Manned ops/HVBSS
Built to commercial standards
Verified low life cycle cost

Suitable for multiple systems

**GQM-163** 

**BQM-34** 

**BQM-74** 

others

#### **Vandal Target Launch from ATLS**



First launch 18 Sept 03
Vandal blast-test vehicle
Ship unmanned and under remote control

Ship speed 10 knots Successful launch No damage to ship

#### **Seaborne Target Control**

- SeaCAN (Seaborne Controller Area Network)
  - A singular solution
    - Common architecture and hardware for *ALL* Seaborne powered targets
    - Operates with ALL Navy command links
  - Developed in-house
  - Government owns and manages design





### **Tow Targets Cost-effective threat simulation** Mobile or freely floating Wide range of augmentation Can simulate multiple threats **ISTT Continued development Used worldwide** HARM/IR **Williams Sled**





#### **Operating Sites and Resources**

U. S. Navy Seaborne Targets											
	Powered						Towed / Static				
Operating Activity	MST	QST-35	FACT	HSMST	SDST	ATLS	HARM Barge	Williams Sled	ISTT	ССТТ	Trimaran
NAWCWD, Point Mugu, CA	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
NAWCAD, Pax River, MD		Х		Х	Х		Х	Х	Х	Х	Х
VC-6, Norfolk, VA		Х		Х	Х				Х	Х	Х
CFAO, Okinawa				Х	Х		Х	Х	Х	Х	Х
PMRF, Kauai, HI		Х		Х	Х				Х	Х	Х
SCORE, San Diego, CA				Х	Х					Х	
MCAS, Cherry Point, NC				Х						Х	Х
ATGL, Norfolk. VA					Х					Х	
ATGM, Mayport, FL					Х					Х	







### Questions?

