



"BASTION" stationary shore-based missile complex with "YAKHONT" ASM

ADVANTAGES

- High combat vitality
- Minimal crew
- Maintenance and scheduled missile checks are performed without taking a missile out of the launcher
- High effectiveness in case of strong electronic and fire countermeasures
- Missile combat employment is completely autonomous ("fire and forget")
- Missile flexible flight trajectories
- High supersonic speed at a whole trajectory

DESIGNATION

"Bastion" stationary shore-based missile complex (SSMC) with "Yakhont" unified supersonic homing anti-ship missile is intended for the destruction of different classes and types of assault forces surface warships, convoys, striking forces of ships and aircraft carriers, as well as single warships and land-based radio contrast targets in conditions of strong fire and electronic countermeasures.

"Bastion" SSMC with "Yakhont" ASM ensures defense of:

- a water area of up to 150 000 square km;
- a littoral of up to 600 km against the enemy amphibious operations;
- an administrative area remote line as a part of its united shore defense system.

There are no strict requirements to the target acquisition accuracy as the period of "Yakhont" ASM flight is short and the range of the homing seeker is big.

COMPOSITION

- Launch battery with "Yakhont" ASM:
 - Stationary protected launchers (SPL);
 - Control module (CM);
- Stationary protected command post (SPCP);
- Equipment for information and technical interface of SSMC combat means with the main command post;
- SSMC combat control automated system (CCAS);
- Technical maintenance means complex (TMMC);

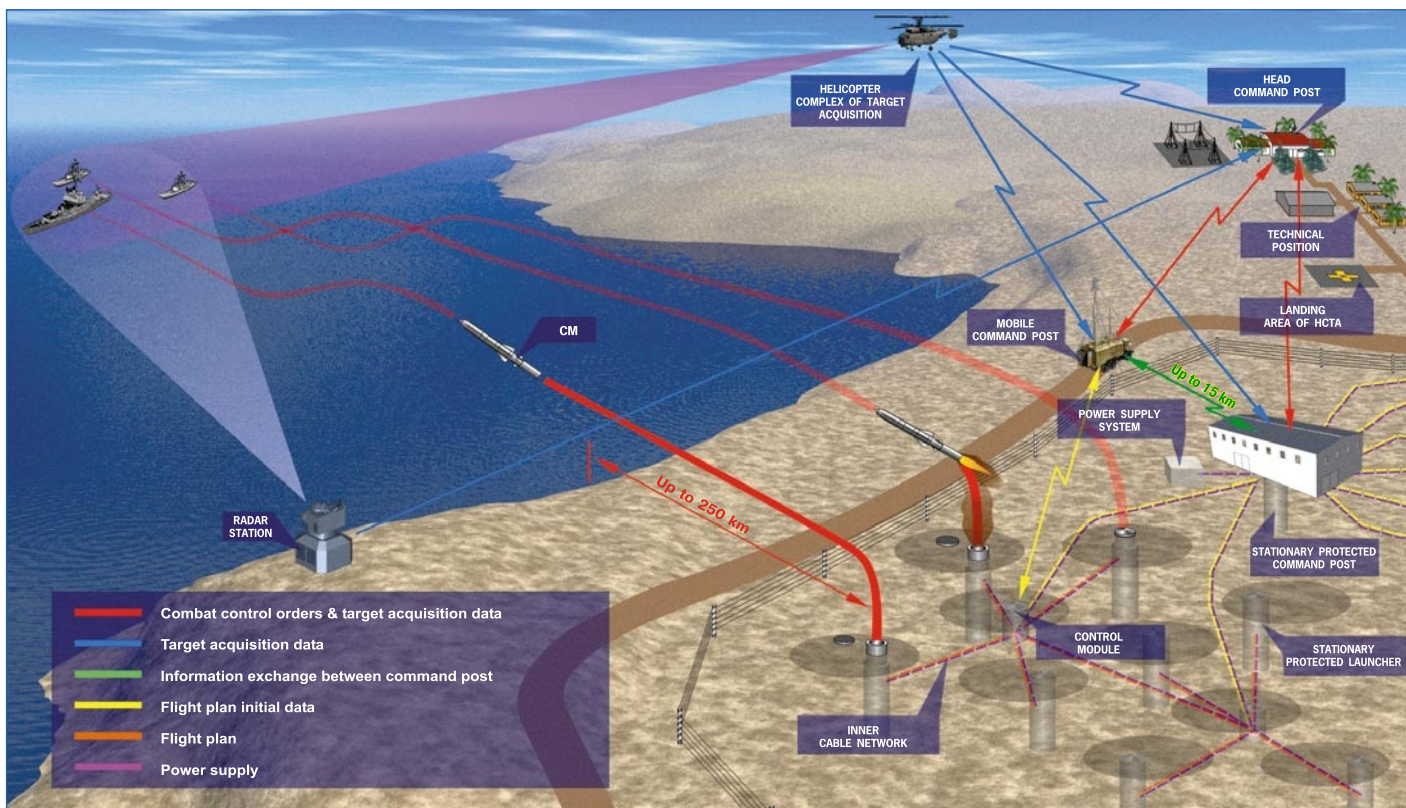
Optionally

- Mobile command post (MCP);
- Training means (TM);
- Helicopter target acquisition complex (HTAC)

Maximum SSMC set of missiles: 36 ASM (9 batteries)

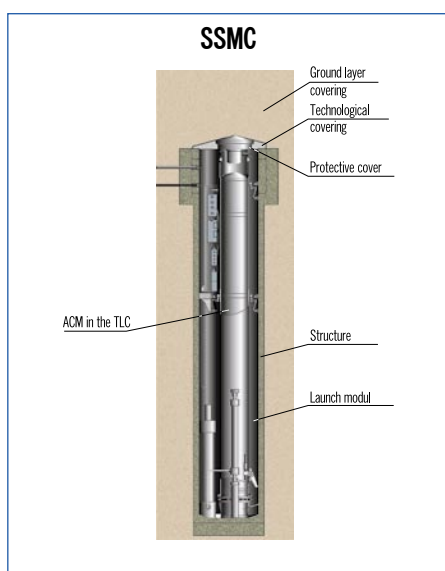
SSMC BASIC CHARACTERISTICS

| | |
|------------------------------|--------------|
| Maximum range | up to 300 km |
| Distance from the littoral | up to 250 km |
| Complex fire readiness | < 4 min. |
| Assigned service life period | 10 years |



SSMC COMBAT VITALITY

- Deepened concealed position and special masking components ensure:
- the uncertainty of SSMC objects coordinates;
 - lack of reference points for highly accurate weapon;
 - impossibility of SSMC objects destruction by small caliber ammunition.



Filled with fuel combat missile is kept in a hermetically sealed transporting and launching canister (TLC) with folded wings and fins. The scheduled check-ups are performed without taking a missile out of the launcher.

ASM BASIC TACTICAL AND TECHNICAL CHARACTERISTICS

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| Combat employment range: | |
| • along a combined trajectory | up to 300 km |
| • along a low-altitude trajectory | 120 km |
| Missile flight altitude: | |
| • at a cruise phase | up to 14 000 m |
| • at a trajectory terminal phase | 10...15 m |
| Maximum flight speed | 750 m/sec |
| • Missile launch weight | 3 000 kg |
| • Missile weight with TLC | 3 900 kg |
| TLC dimensions: | |
| • length | 8 900 mm |
| • diameter | 720 mm |
| Warhead weight | 200 kg |
| Flight control system | • inertial navigation system • radar altimeter • radar homing seeker |
| Booster | solid-propellant |
| Propulsion plant: | |
| • type | ram-jet |
| • fuel | kerosene T-6 |
| Period between the scheduled check-ups | 3 years |