

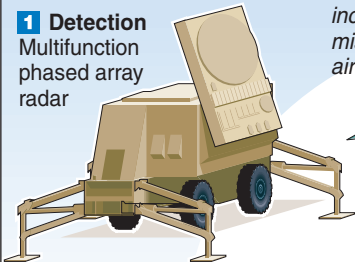
Patriot PAC-3 missile defence

Japan and the United States have agreed to deploy Patriot interceptor missiles at U.S. bases in Japan amid concerns North Korea may test-fire a long-range ballistic missile. The Patriot Advanced Capability PAC-3 is a high-velocity kinetic weapon, destroying its target by energy of impact

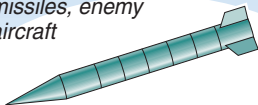
PAC-3 MISSILE DEFENCE

1 Detection

Multifunction phased array radar



Enhanced detection of incoming ballistic and cruise missiles, enemy aircraft



Lethality enhancer

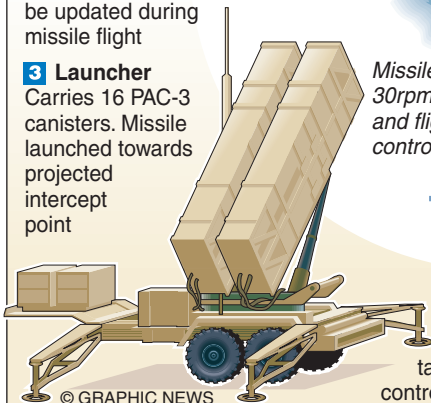
73kg high-explosive fragmentation warhead to destroy cruise missiles

2 Engagement control station

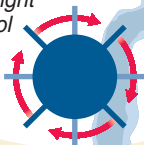
Truck-based missile control computer determines expected intercept point. Target data can be updated during missile flight

3 Launcher

Carries 16 PAC-3 canisters. Missile launched towards projected intercept point



Missile rotates at 30rpm to aid radar and flight control



4 Terminal

Ka-band seeker locks on target, activates flight controls and primes warhead

target, activates flight controls and primes warhead

