

# Israel Arrow missile test "successful"

Israel's military has carried out a successful test of its Arrow anti-ballistic missile – destroying a target similar to Iran's long-range Shahab-3. The test is being seen as a message to Iran as it continues to press ahead with its nuclear programme

## HOW IT WORKS: "HOMA" OR BARRIER SYSTEM

Designed to destroy enemy warheads before they reach the country – small, dense urban areas vulnerable to threat of WMD

**GREEN PINE RADAR:** Multimode phased array C-band (0.5-1GHz) radar detects threat

**CITRON TREE FIRE CONTROL SYSTEM:** Calculates intercept points and location of enemy launch site

**Radar range:** Radar tracks multiple incoming threats up to 500km away

**Shahab-3**

**Range:** ~2,000km  
**Velocity:** Mach 3.5 (est)  
**Payload:** 500-1,000kg

**Velocity:**  
Mach 9

**Range:**  
300km

**ARROW II**  
Two-stage missile

**Intercept range**  
50-100km

Haifa  
Tel Aviv  
Jerusalem

**Missile batteries**  
1. Hadera  
2. Palmachim  
3. Dimona

**ARROW AUNCHER**  
Six sealed canisters with vertical "hot launch"