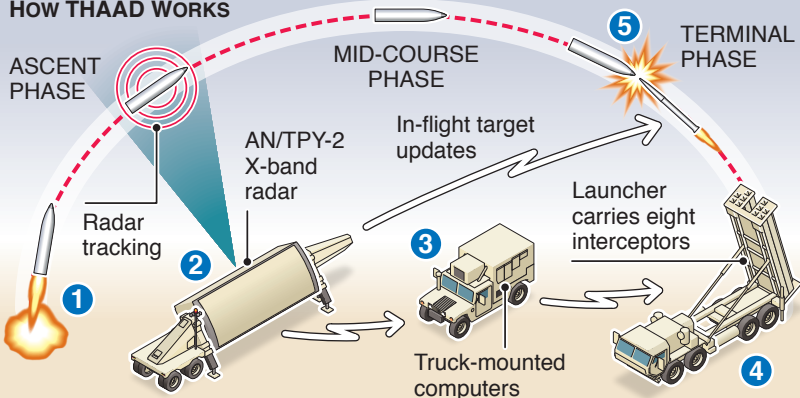


U.S. sending anti-missile system to Israel

The U.S. says it will deploy a Terminal High-Altitude Area Defence (THAAD) battery to Israel, along with about 100 troops to operate it, in the wake of missile attacks from Iran

HOW THAAD WORKS



1 Hostile missile launch: THAAD effective against short, medium and intermediate-range missiles in their terminal phase of flight

2 Radar: Scans horizon for threats. Hostile missile can be detected at range of up to 2,000km

3 Fire control system: Uses radar data to identify and verify threat before initiating launch

4 Launcher: Receives targeting data and launches interceptor. Hostile missile can be intercepted inside or just outside Earth's atmosphere at altitudes of 40-150km and ranges of up to 200km

5 Interceptor: Homes in using infrared seeker and destroys hostile missile by force of impact

Typical THAAD battery includes six launchers and each launcher takes up to 30 minutes to reload

