

# **Indigenous Technology Cruise Missile**

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## About Indigenous Technology Cruise Missile

- The missile is equipped with **advanced avionics and software** to ensure better and reliable performance.
- The missile is developed by Bengaluru-based **DRDO** laboratory Aeronautical Development Establishment(ADE) along with contributions from other laboratories and Indian industries.
- It was monitored by several range sensors like radar, Electro Optical Tracking System (EOTS) and telemetry deployed by ITR at different locations to ensure complete coverage of the flight path.

## What is a Cruise Missile?

- It is a guided missile used against terrestrial or naval targets, that remains in the atmosphere (unlike ballistic missiles) and flies the major portion of its flight path at an approximately constant speed, before hitting the target.
  - **Precision:** High, up to a few metres — fit for small, moving targets.
  - **Trajectory:** Low altitude, level trajectory — hard to detect
    - **Subsonic Cruise missiles:** These cruise **missiles** travel at less than Mach 1.
    - **Supersonic Cruise missiles:** Cruise missiles travelling at supersonic speeds are called supersonic cruise missiles.
    - **Hypersonic Cruise missiles:** Cruise missiles powered using scramjet engines to realise speeds greater than Mach 5 are designated as hypersonic cruise missiles.
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### Q1: What is Avionics?

It is a category of electronic systems and equipment specifically designed for use in aviation.

**Source:** [Indigenous Technology Cruise Missile successfully flight-tested by DRDO off the Odisha coast](#)

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