



## Very Short-Range Air Defence System

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The [Defence Research & Development Organisation \(DRDO\)](#) has successfully completed three successive flight trials of the [Very Short-Range Air Defence System \(VSHORADS\)](#) off the Odisha coast.

- **VSHORADS:** It is a **man-portable system** developed by **Research Center Imarat** in collaboration with other DRDO laboratories.
  - It is lightweight, and has a **maximum range of 8 km** and can engage targets at **altitudes of up to 4.5 km**.
  - The system has the ability to neutralize aerial threats, including drones, flying at very low altitudes and high speeds.
  - It is designed to meet the needs of all three branches of the **Indian Armed Forces: the Army, Navy, and Air Force**.
  - The VSHORADS missile incorporates advanced technologies like the **miniaturized Reaction Control System (RCS)** (a system used for attitude control) and **integrated avionics** (missile control and navigation), successfully tested for neutralizing low-altitude aerial threats.
- **Importance:** The VSHORADS system is a **critical air defence tool**, offering close protection against aerial threats in battlefield scenarios.
  - It is especially vital in combating the **emerging threat of drones** and other **loitering munitions**, which are increasingly used in modern warfare.

Read more: [Very Short-Range Air Defence System \(VSHORADS\)](#)

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