

Hypersonic Weapons Market Soars with Advanced Propulsion, Defense Spending, and Global Competition | DataM Intelligence

Discover how the hypersonic weapons market is advancing with propulsion innovations, rising defense budgets, and heightened global security competition.

NEW YORK, NY, UNITED STATES, July 10, 2025 /EINPresswire.com/ -- Market Overview :-

The [Hypersonic Weapons Market](#) has witnessed significant growth as nations seek advanced delivery systems capable of evading traditional missile defenses. Reaching US\$ 8.7 billion in 2024, the market is projected to nearly double to US\$ 16.9 billion by 2030, expanding at a CAGR of 12.1% during the 2024 - 2030 forecast period. Hypersonic weapons, defined by speeds above Mach 5 and extreme maneuverability, are transforming strategic deterrence and regional power balances across major defense programs worldwide.



Hypersonic weapons are redefining strategic deterrence combining unmatched speed, maneuverability, and survivability to set new benchmarks in modern defense.”

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Market Drivers are :

Evolving Global Threat Landscape: Rising tensions and peer competition among major powers drive investment in speed and survivability.

Advanced Missile Defense Countermeasures: Hypersonic

glide vehicles (HGVs) and cruise missiles can outpace and outmaneuver current radar-guided

interceptors.

Government Defense Budgets: Increased defense spending in the U.S., China, Russia, and allied nations fuels R&D and procurement of hypersonic systems.

Technological Breakthroughs: Innovations in scramjet propulsion, thermal materials, and guidance electronics enable reliable hypersonic flight.

Strategic Deterrence Requirements: Hypersonic weapons enhance second-strike capabilities and strategic deterrence by reducing enemy reaction times.

Market Key Players are :

Leading aerospace and defense contractors shaping the hypersonic weapons domain include:

Raytheon Technologies Corporation

Lockheed Martin Corporation

Northrop Grumman Corporation

L3Harris Technologies Inc.

Leidos

Thales Group

General Dynamics Corporation

Boeing

Israel Aerospace Industries

BAE Systems

These enterprises invest heavily in propulsion research, materials science, and testing infrastructure to deliver operational hypersonic systems for air-, sea-, and ground-launched applications.

Market Segmentation :-

The Hypersonic Weapons Market can be segmented by:

Type of System:

Hypersonic Glide Vehicles (HGVs)

Hypersonic Cruise Missiles (HCMs)

Boost-Glide Systems

Launch Platform:

Air-Launched

Sea-Launched (Submarine/Surface)

Ground-Launched

Propulsion Technology:

Scramjet Engines

Rocket Boosters

Ramjet Engines

End User:

Military (Air Force, Navy, Army)

Defense Research Agencies

Geography:

North America

Europe

Asia-Pacific

Middle East & Africa

Latin America

North America leads the market, driven by U.S. and Canadian defense programs, followed by

rapid growth in Asia-Pacific, particularly in China, India, and Japan.

Latest News – USA

In 2024, Lockheed Martin successfully completed high-speed flight tests of its Hypersonic Air-breathing Weapon Concept (HAWC) in collaboration with DARPA. Meanwhile, Raytheon Technologies announced a \$700 million contract award from the U.S. Navy to develop the Common Hypersonic Glide Body (C-HGB) for future ship-launched options, demonstrating accelerated deployment timelines.

Latest News – Japan

Japan's Ministry of Defense in mid-2024 approved funding for joint development of a domestic hypersonic glide vehicle with Mitsubishi Heavy Industries and Boeing Japan, aiming for initial tests in 2026. Additionally, Thales Group's Tokyo-based unit partnered with Japanese self-defense researchers to enhance guidance systems optimized for regional geography.

Recent Key Developments are :

Northrop Grumman unveiled its latest HGV thermal protection materials, allowing sustained Mach 7 flight without critical hardware degradation.

Boeing demonstrated a dual-mode scramjet engine at speeds exceeding Mach 6 in ground tests, paving the way for next-gen cruise missile programs.

L3Harris secured a multi-year contract to supply advanced seeker heads for HCM platforms, improving target acquisition under extreme flight dynamics.

Leidos introduced a digital twin simulation platform that cuts hypersonic flight testing time by 30%, significantly speeding up development schedules.

BAE Systems finalized integration tests of its reusable hypersonic glide vehicle on a sea-based launch system, showcasing its flexible deployment capabilities.

Concluding Paragraph :-

Hypersonic weapons represent a critical shift in modern warfare, offering unparalleled speed, agility, and strategic impact. Backed by robust R&D and defense budgets, the market's CAGR of 11.2% underscores sustained global interest in these advanced systems. As major players refine propulsion, materials, and avionics, operational hypersonic capabilities will expand from experimental programs to frontline service, reshaping deterrence and defense postures worldwide.

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Sai Kumar

DataM Intelligence 4market Research LLP

+1 877-441-4866

[email us here](#)

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