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Intercontinental Ballistic Missile (ICBM) Market Forecasts to 2032 – Global Analysis By Type (Land-Based ICBMs, Submarine-Launched Ballistic Missiles (SLBMs) and Mobile ICBMs), Launch Mode (Surface-to-Surface and Subsea-to-Air), Payload, Range, Propulsion Type, Application and By Geography

https://marketpublishers.com/r/I6EC5CF01F26EN.html
Date: June 2025
Pages: 150
Price: US$ 4,150.00 (Single User License)
ID: I6EC5CF01F26EN

Abstracts

According to Stratistics MRC, the Global Intercontinental Ballistic Missile (ICBM) Market is accounted for $7.00 billion in 2025 and is expected to reach $11.87 billion by 2032 growing at a CAGR of 7.84% during the forecast period. The Intercontinental Ballistic Missile (ICBM) is a long-range missile that can carry conventional or nuclear warheads over great distances, usually more than 5,500 kilometers. ICBMs, which are mainly used for strategic deterrence, are fired into space on a sub-orbital trajectory and then return to the atmosphere to hit far-off targets with extreme precision. Moreover, the ability to launch these missiles from submarines, mobile platforms, or land-based silos improves their survivability and second-strike potential. A vital part of a country's nuclear triad, ICBMs is outfitted with sophisticated guidance systems and frequently have multiple independently targetable reentry vehicles (MIRVs). They are also essential for preserving military balance and deterrence on a worldwide scale.

According to the U.S. Department of Defense, the modernization of intercontinental ballistic missile (ICBM) systems is a critical component of national security strategy. In July 2024, the Pentagon reported that the Sentinel ICBM program, aimed at replacing the aging Minuteman III missiles, is projected to cost $140.9 billion—an 81% increase from the initial estimate.

Market Dynamics:

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Driver:

Growing strategic rivalries and geopolitical tensions

Growing tensions between major nuclear powers like the US, Russia, and China have made the global security environment more unstable. Further highlighting the necessity of credible long-range deterrence are regional conflicts and provocations by nations such as Iran and North Korea. Uncertain diplomatic relations and the threat of missile proliferation are driving countries to either improve or bolster their ICBM capabilities. Additionally, governments see these systems as instruments of geopolitical influence and diplomatic leverage in addition to being weapons.

Restraint:

High maintenance and development expenses

ICBMs are one of the most costly and intricate defense systems to design, build, and maintain. The price of a single ICBM can reach tens of millions of dollars, and comprehensive modernization initiatives, such as the U.S. Sentinel program, can surpass $100 billion. The requirement for infrastructure like command-and-control systems, secure communications networks, and missile silos drives up these costs even more. Furthermore, the deployment or expansion of ICBM programs may be severely limited by budgetary constraints, particularly in developing nations or areas experiencing economic uncertainty.

Opportunity:

Innovation in hypersonic and manoeuvrable re-entry vehicle technology

A new generation of long-range strike platforms is being made possible by the transition from conventional ICBMs to maneuverable reentry vehicles (MaRVs) and hypersonic glide vehicles (HGVs). Extreme speeds (Mach 5 and higher), erratic flight paths, and decreased detect ability make hypersonic ICBMs challenging to intercept. By making investments in these next-generation systems, countries are creating new avenues for partnerships, financing, and the transfer of defense technology. Moreover, advanced propulsion, guidance, and thermal shielding technologies from defense contractors will be extremely advantageous.

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Threat:

Unpredictable alliances and geopolitical volatility

The dynamics of international security are intrinsically linked to the ICBM market. However, long-term defense procurement plans may be disrupted by abrupt changes in regional instability, leadership changes, or international alliances. For instance, money intended for missile modernization might be diverted to non-military projects if diplomatic ties between major enemies improve. On the other hand, missile contracts could be halted, postponed, or cancelled if political unrest breaks out in countries with fledgling ICBM programs. The erratic and reactive character of world geopolitics has a significant impact on the market.

Covid-19 Impact:

The market for intercontinental ballistic missiles (ICBMs) was affected by the COVID-19 pandemic in a mixed but generally moderate way. Due to ongoing government funding for strategic programs, the defense industry was mainly immune to significant economic downturns. However, the pandemic did cause supply chain disruptions worldwide, which delayed the production and delivery of guidance systems, missile components, and supporting infrastructure. Testing and development schedules were slowed down in a number of countries due to restrictions on factory operations and workforce mobility.

The land-based ICBMs segment is expected to be the largest during the forecast period

The land-based ICBMs segment is expected to account for the largest market share during the forecast period because of their broad deployment, affordability, and adaptability in terms of strategic placement. These missiles have a high deterrent value and can be launched quickly. They are usually placed in reinforced silos or placed on mobile launchers throughout secure inland facilities. Because of their significant investments in updating their land-based ICBM arsenals, nations like the US, Russia, and China have made them a key component of their national nuclear strategies. Moreover, they are an essential component of the nuclear triad, maintaining their market dominance due to their capacity to carry multiple warheads (MIRVs) and travel across continents.

The multiple independently targetable reentry vehicles (MIRVs) segment is expected to have the highest CAGR during the forecast period

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Over the forecast period, the multiple independently targetable reentry vehicles (MIRVs) segment is predicted to witness the highest growth rate. This expansion is driven by the growing need for enhanced strike capability, which allows an ICBM to deliver multiple warheads to various targets at once. MIRV technology overwhelms adversary missile defense systems, greatly increasing the effectiveness and deterrent value of strategic missile forces. Additionally, the capability to enhance precision targeting and personalize payloads further establishes MIRVs as the fastest-growing market.

Region with largest share:

During the forecast period, the North American region is expected to hold the largest market share, driven mostly by large defense budgets and US-led development of cutting-edge missile technology. Significant factors contributing to the region's dominance include the existence of reputable missile manufacturing firms, ongoing investments in updating strategic nuclear arsenals, and robust government support for bolstering national security. Furthermore, supporting North America's dominant position in the global ICBM market are persistent geopolitical tensions and the necessity of strategic deterrence.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR. Significant defense capability investments made by nations like China, India, and North Korea amid escalating geopolitical tensions and territorial disputes are the main drivers of this growth. For instance, China has demonstrated sophisticated ICBMs such as the DF-41, which has a range of more than 12,000 km and can carry multiple warheads. Additionally, India has successfully tested the Agni-V, a nuclear-capable long-range missile. These advancements support the Asia-Pacific ICBM market's strong growth by highlighting the region's strategic focus on improving defense and deterrence capabilities.

Key players in the market

Some of the key players in Intercontinental Ballistic Missile (ICBM) Market include Israel Aerospace Industries, Rafael Advanced Defense Systems Inc, BAE Systems PLC, Lockheed Martin Corporation, Northrop Grumman Corporation, General Dynamics Corporation, Boeing Company, Raytheon Technologies Corporation (RTX), Aerojet Rocketdyne Holdings Inc., Makeyev Rocket Design Bureau Inc, Defence Research and Development Organisation (DRDO), China Aerospace Science and Technology

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Corporation (CASC), Honeywell International, Larsen & Toubro Inc and Orbital ATK Inc.

Key Developments:

In April 2025, BAE Systems has entered into an agreement with Wojskowe Zaklady Motoryzacyjne S.A. (WZM), a member of PGZ Capital Group and a premier Polish defense company specializing in the sustainment of tracked armored vehicles, to enhance the support of the Polish Land Forces' M88 Armored Recovery Vehicle fleet operational readiness.

In February 2025, Rafael Advanced Defense Systems Ltd. (Rafael) and Centum Electronics are pleased to announce the signing of a Teaming Agreement (TA) to collaborate on advancing the fields of Spectrum Dominance, Spectrum Situational Awareness, and AI-based Intelligence Suite/Decision Support Systems for the Indian Armed Forces.

In June 2024, Israel Aerospace Industries (IAI) (ISRAI.UL) has entered a $1 billion contract to supply one of its systems to an unnamed third party, the state-owned defence contractor. IAI, which makes some of Israel's most advanced drones and missile defence systems, said in a regulatory filing in Tel Aviv that the deal is expected to reach about $1 billion and be carried out over five years.

Types Covered:

- Land-Based ICBMs
- Submarine-Launched Ballistic Missiles (SLBMs)
- Mobile ICBMs

Launch Modes Covered:

- Surface-to-Surface
- Subsea-to-Air

Payloads Covered:

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Nuclear Warheads

Conventional Warheads

Multiple Independently Targetable Reentry Vehicles (MIRV)

Single Warhead

Ranges Covered:

5,500-8,000 km

8,000-12,000 km

Above 12,000 km

Propulsion Types Covered:

Solid Propellant

Liquid Propellant

Hybrid Propellant

Applications Covered:

Ocean Military Defense

Land Military Defense

Regions Covered:

North America

US

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- Canada
- Mexico

Europe

- Germany
- UK
- Italy
- France
- Spain
- Rest of Europe

Asia Pacific

- Japan
- China
- India
- Australia
- New Zealand
- South Korea
- Rest of Asia Pacific

South America

- Argentina

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Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

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SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Contents

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APPLICATION

11 GLOBAL INTERCONTINENTAL BALLISTIC MISSILE (ICBM) MARKET, BY GEOGRAPHY

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List Of Tables

LIST OF TABLES

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