

Advancing frontiers: India’s rise as a global hub for aerospace and defence technology

Driven by innovation and global ties, India is set to lead in aerospace and defence.

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India’s aerospace and defence (A&D) sector intends to position itself as an important player in the world market. Considering a market size of USD 26.78 billion in 2023, the industry has the potential to hit USD 48.41 billion by 2032 because of technical improvements, strong private sector participation, and strategic policies.

Furthermore, the nation is making efforts to further develop the capabilities of its own while also being viewed as a partner for foreign aerospace and defence companies.

A solid base

A research institution, 41 ordnance factories, nine defence public sector undertakings (DPSUs), along with more than 100 private companies are among the primary contributors to India’s aerospace and defence ecosystem. These organisations work together to offer a full industrial base. In an attempt to help reduce the nation’s reliance on imports, the government’s “[Make in India](#)” campaign has served a key role in supporting indigenous manufacturing. India is promoting the advancement of domestic solutions for defence and aerospace requirements while focusing on self-reliance.

International quality standards and modern technology have been continuously incorporated into the operations of Indian manufacturers. Through the use of precision engineering and innovative production procedures, businesses have grown their capacities. Because of these advancements, Indian companies are now able to compete on a global scale by producing components that satisfy the requirements needed for important defence and aerospace applications.

Furthermore, strengthening the nation’s industrial capacities has been significantly supported by the rolling out of Industry 4.0 technology like automation and data analytics. India’s position in the global market is being reinforced as it moves from being a low-cost producer to providing high-value, high-precision products.