

# Air Cargo Containers Market by Material Type (Composites, Metal, Others) Analysis, and Growth Opportunity: 2016 – 2021

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*global air cargo containers market over the period 2010 to 2021.*

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global air cargo containers market over the period 2010 to 2021. The report provides detailed insights on the market dynamics to enable informed business decision making and growth strategy formulation based on the opportunities present in the market.

## The Global Air Cargo Containers Market: Highlights

Cargo is an essential part of the airline business today. It contributes roughly 9% of the airline revenues which is more than twice the revenues generated from the first class segment. There are several types of unit load device (ULDs), such as containers, pallets, car racks, and stalls used to load the luggage, freight, and other items in an aircraft. Cargo is carried in the lower deck in a passenger aircraft whereas it is also carried on the main deck in a cargo aircraft.

Cargo container is the most important unit load device (ULD) type and is compatible with narrow body and wide body aircraft. It is highly suitable to load perishable goods, pharmaceutical items, and live animals on an aircraft to transport from one destination to another. The biggest benefit of an air cargo container is that it allows to bundle a large quantity of cargo into a single unit. This helps to minimize the airlines' operational cost by saving the ground crew's time and efforts. The number of cargo containers on an aircraft depends on several factors, such as type of aircraft, type of containers, and combination of unit load device.

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The global air cargo containers market offers an attractive growth opportunity and is expected to grow at 4.3% CAGR during the forecast period of 2016 to 2021. Growing cargo traffic owing to increasing urbanization and rising disposable income, increasing demand for lightweight containers, and advancement in technology are some of the major drivers of the market.

The global air cargo containers are segmented into five categories: LD3, LD6, LD11, M1, and Others. There are several types of containers used on the passenger and cargo aircraft. The selection of container type is highly dependent on the type of aircraft and combination of unit load device (ULDs). LD3 is the most widely preferred container type in both passenger and cargo aircraft and is highly compatible with Boeing and Airbus wide body aircraft, such as B747, B767, B777, B787, DC-10, MD-11, A330, A350XWB, and A380. LD3 can also be alternatively used by replacing other container type.

Containers are used in the both lower hold as well as main deck in an aircraft. Passenger aircraft uses mainly lower hold for containers, whereas cargo aircraft uses both main deck and lower hold for

containers. Lower deck is expected to remain the largest deck type for global air cargo container market during the forecast period due to their use by both passenger and cargo aircraft. Composite materials based air cargo containers are likely to experience the fastest growth during the forecast period. Increasing demand of lightweight containers for reducing operational cost by increasing fuel efficiency is the major driver of the segment. High durability and increased life of containers are the other major drivers of the segment. Composites based containers are about 20% to 40% lighter than that of aluminum based similar sized containers.

Wide body aircraft is expected to remain the largest aircraft type for the global air cargo containers market during the forecast period. High number of containers per aircraft, increasing deliveries of wide body aircraft, and increasing demand of wide body aircraft by cargo airlines are some of the major growth drivers of the segment. Wide body aircraft is expected to experience the fastest growth for the same period.

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The supply chain of this market comprises of raw material suppliers, panel manufacturers, container manufacturers, distributors, ULD management companies, and airline companies. The key air cargo container manufacturers are Zodiac Aerospace, Cargo Composites, Nordisk Aviation, VRR Aviation, and Satco Inc. Lightweight containers, partnership with ULD management companies, and regional expansion are the key strategies adopted by the key players to gain competitive edge in the market.

#### Research Methodology

This report offers high quality insights and is the outcome of detailed research methodology comprising extensive secondary research, rigorous primary interviews with industry stakeholders and validation and triangulation with Stratview Research's internal database and statistical tools. More than 100 authenticated secondary sources, such as company annual reports, fact book, press release, journals, investor presentation, white papers, patents, and articles have been leveraged to gather the data. About 1015 detailed primary interviews with the market players across the value chain in the all four regions and industry experts have been executed to obtain both the qualitative and quantitative insights.

#### Report Features

This report provides market intelligence in the most comprehensive way. The report structure has been kept such that it offers maximum business value. It provides critical insights on the market dynamics and will enable strategic decision making for the existing market players as well as those willing to enter the market. The following are the key features of the report:

- Market structure: Overview, industry life cycle analysis, supply chain analysis.
- Market environment analysis: Growth drivers and constraints, Porter's five forces analysis, SWOT analysis.
- Market trend and forecast analysis.
- Market segment trend and forecast.
- Competitive landscape and dynamics: Market share, product portfolio, product launches, etc.
- Attractive market segments and associated growth opportunities.
- Emerging trends.
- Strategic growth opportunities for the existing and new players.
- Key success factors.

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Norah Trent

wiseguyreports

+1 646 845 9349 / +44 208 133 9349

email us here

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