



14PLUS FROM ALCOA-SIE

TAKING CARGO
CONVERSIONS TO
NEW HEIGHTS

Simple, Fast, Low-Cost
B757-200 Conversion



14Plus – The Optimal Cargo Conversion Solution

Making on-time deliveries around the world at the lowest possible cost. To rise to that challenge, you need safe, fast, reliable aircraft that transport cargo efficiently and economically.

It's a challenge that demands 14Plus, a simpler, faster, cost-effective cargo conversion solution backed by the experience and expertise of Alcoa-SIE and American Airlines, two trusted names in aerospace and transportation.

14Plus is taking cargo conversion to new heights. It's an FAA-certified package (*STC ST01920LA*) that transforms Boeing 757-200 passenger jets into world-class freighters with the cargo space and payload you need to keep business soaring.

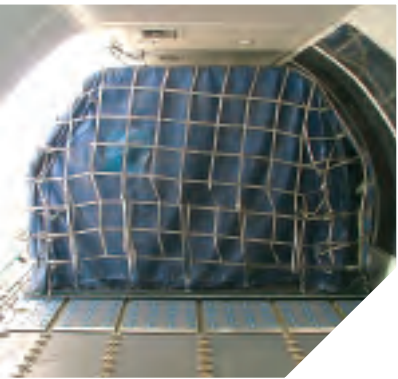
14Plus reduces costs and speeds cargo conversion because its simple and efficient design retains most of the B757-200's original structure and systems while meeting exacting quality standards for modification and maintenance.

With a range of about 3,000 nautical miles and a larger payload than other narrowbody freighters, the fully-converted B757-200 is a workhorse with the flexibility and capabilities you need to deliver success.

If you're ready to replace your aging narrowbody freighters or expand your current fleet, 14Plus is the optimal cargo conversion solution.



14Plus – Your Flight Plan for Success



The ceiling of the B757-200 is raised to accommodate maximum height containers.

Sky-high costs can cause turbulence for your business, especially when you need to replace an aging fleet of planes.

At Alcoa-SIE Cargo Conversions, we can keep your costs down-to-earth with 14Plus, the fastest, most cost-effective way to upgrade or modernize your fleet.

14Plus converts Boeing 757-200s to meet your business needs on time and on budget, with these added pluses:

- Alcoa-SIE delivers our proven expertise in aviation structural design, engineering technology and materials; and
- Our Installation Center of Excellence at American Airlines provides a premier maintenance facility, with a full range of maintenance and support services, base and shop capabilities, inventory, spare parts and training.

Backed by our one-stop turnkey operation, 14Plus delivers higher value and greater flexibility than our competitors as we transform sturdy B757-200s into world-class freighters at a fraction of the cost of purchasing new aircraft.

- Size, weight, range, space and payload matter in your business. A 14Plus-converted B757-200 has a basic takeoff weight of 240,000 to 255,000 pounds, a range of approximately 3,000 nautical miles, nearly 8,200 cubic feet of cargo space and a structural payload of up to 72,000 pounds.
- Our 14Plus conversion accommodates 14 standard 88" x 125" pallets on the main deck plus one half-pallet, with additional freight stored in the lower holds located fore and aft of the wing.
- Assuming a standard load factor of 75% to 80% – the industry norm – 14Plus delivers 100% of 15 pallet capability at 20% less cost.
- 14Plus utilizes a simpler design that retains more of the B757-200's original structure and systems, which enables us to provide much higher value through lower costs, reduced conversion down time, high spares commonality with passenger airplanes, and reduced risk.
- 14Plus-converted B757-200s are the most cost-effective intermediate-sized cargo carriers that deliver significant operational savings over older freight-carrying aircraft.

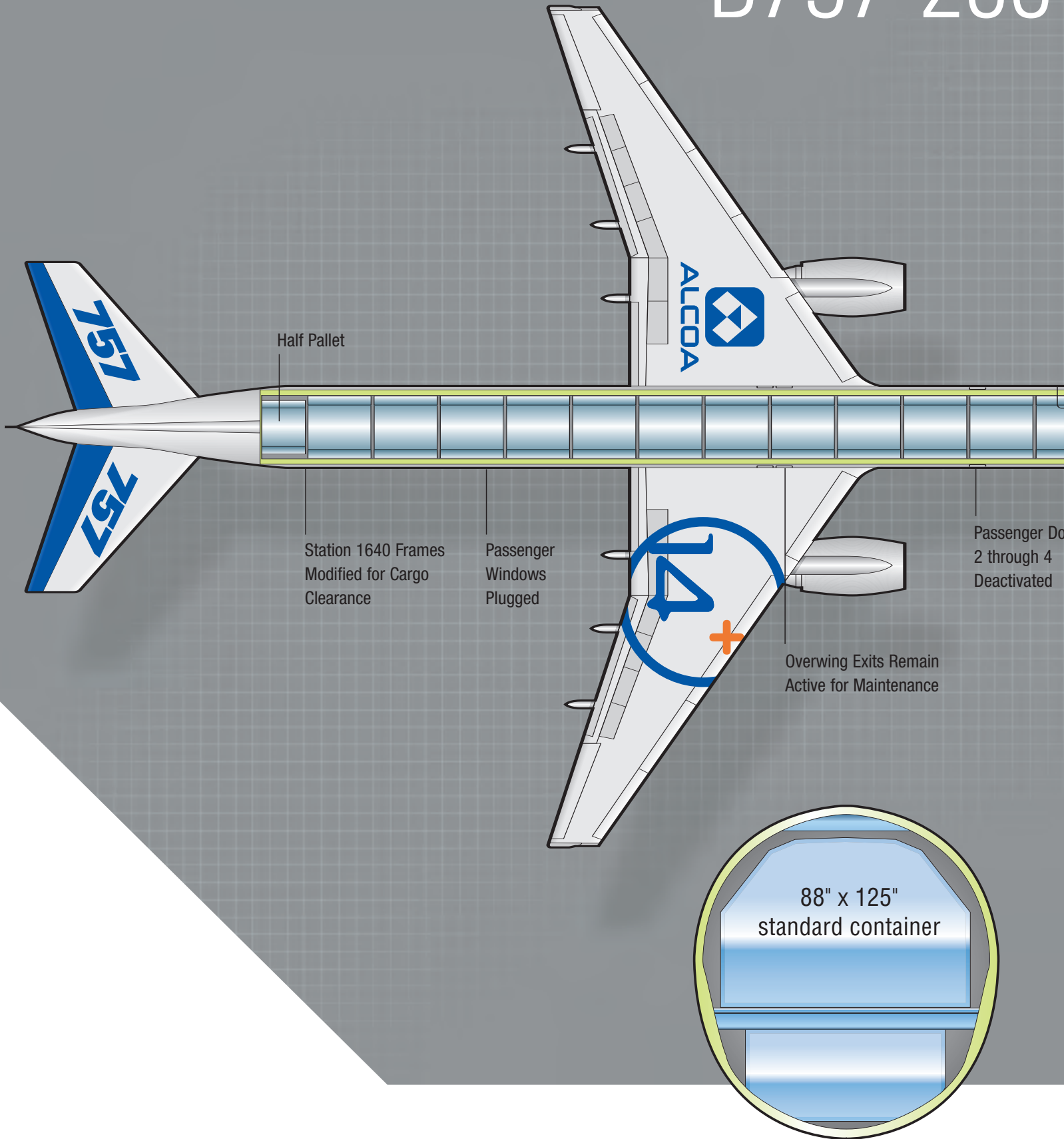
If you're aiming to lower costs and build your business, 14Plus is your flight plan for success!



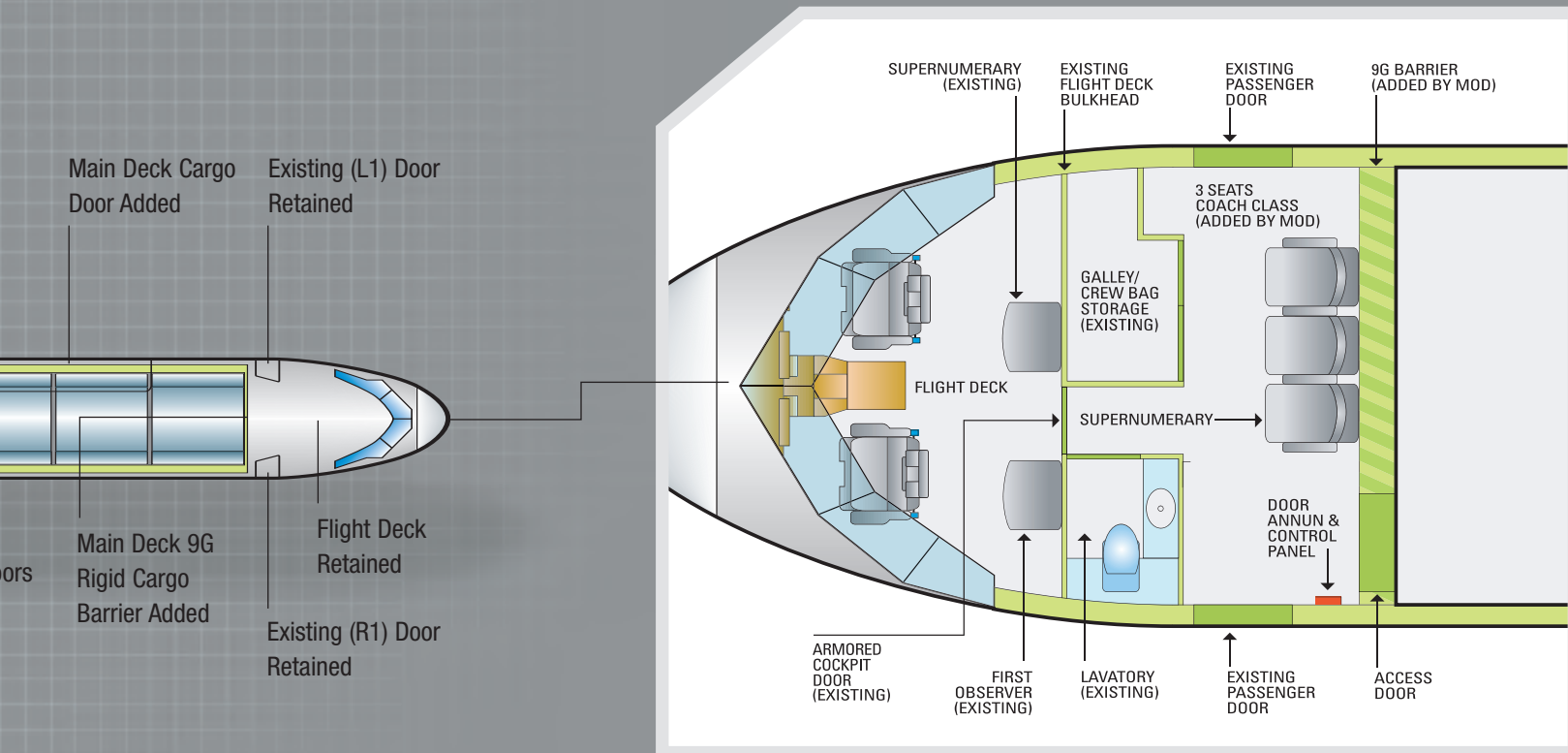
“Even as air cargo traffic is rising to unprecedented levels with no end to the predicted growth in sight, the intense and increasing competition makes it more imperative every day that freight operators have the most cost-effective solutions. 14Plus from Alcoa-SIE, with American Airlines as our maintenance partner, is the optimal solution for fast, simple and cost-effective Boeing 757-200 cargo conversion.”

Gary Batey
President
Alcoa-SIE Cargo Conversions

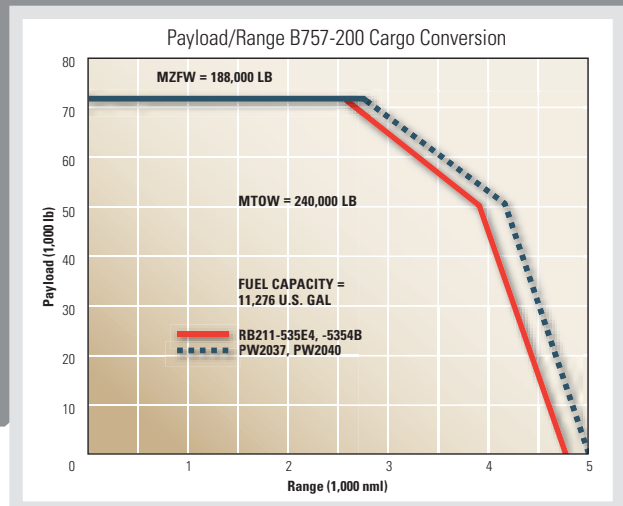
14Plus... Simple, Fast B757-200



Fast, Low Cost Cargo Conversion



These illustrations represent a generalized B757-14Plus Cargo Conversion.



Alcoa-SIE and American Airlines – Defining Excellence in Cargo Conversion

When you place an order for 14Plus, you're getting the only cargo conversion solution products and services backed by two industry leaders with a shared commitment to quality, performance and value: Alcoa and American Airlines.

Through our partnership, Alcoa-SIE and American Airlines are taking cargo conversions to new heights. Single location turnkey conversions including full maintenance and modification services, are offered during and after the conversion process.

Alcoa-SIE Cargo Conversions was formed in 2003 when Alcoa, the world's leading producer of aluminum structures, fastening systems and turbine blades for the aerospace industry, teamed with Structural Integrity Engineering, which has provided engineering services to the aviation industry since 1981, earning 23 Supplemental Type Certificates.

In 2006, Alcoa-SIE and American Airlines announced our partnership. This winning combination means we have the ability to provide customers with one-stop turnkey conversion, plus the expertise and experience you expect for your investment.

With vast experience in B757-200 maintenance and support services, strategic locations and skilled personnel that can provide a full range of services and training, American Airlines is an ideal business partner for Alcoa-SIE.

Together, Alcoa-SIE and American Airlines have the experience, capability and capacity to deliver the optimal cargo conversion solution. We have what it takes to help your profits soar. We have 14Plus, the solution that will deliver what you need, on the ground and in the air.



*Pictured at left:
The American Airlines
facility in Kansas City*



The 14Plus Advantages

- Simpler design, faster conversion, smarter configuration and more affordable.
- The expertise and experience of Alcoa-SIE and American Airlines.
- A cost-effective way to replace aging narrowbody planes.
- Unmatched mission capabilities and flexibility.
 - Range of widebody, landing capability of narrowbody.
- 8,200 cubic feet of cargo space and a structural payload of up to 72,000 pounds.
- Solid 9G barrier.
- Ancra cargo handling system included.
- Longer range and larger payload than the 727.
- 97% of 15 pallet capability at 80% of cost.
- No changes to existing Flight Deck systems or configuration.
 - Retained armored cockpit door, L1 & R1 entry doors, OEM lav and galley.
- Backed by superior product, maintenance and spare parts support.

The optimal solution for Boeing 757-200 passenger to freighter conversion.



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