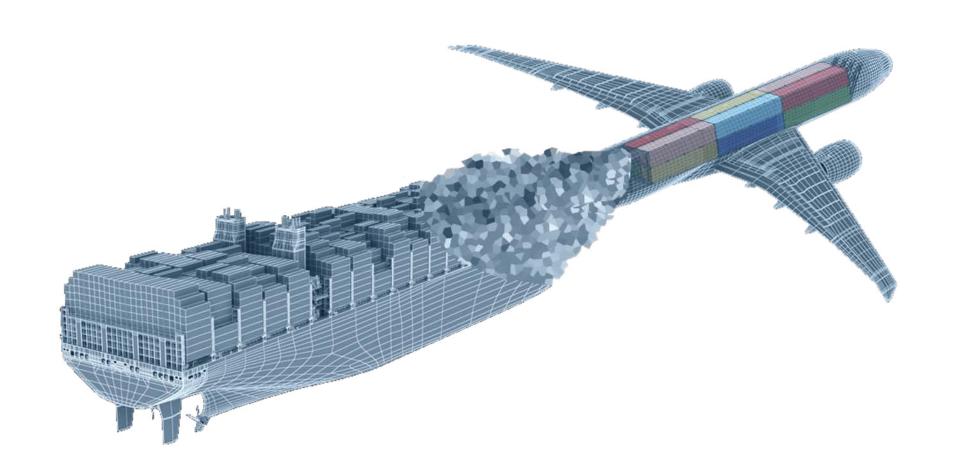
BYBLAS



Logistics for a Digital World <1 day delivery

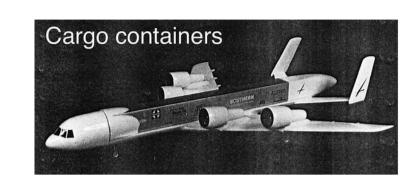
BYBLOS® APPROACH TO MINIMIZING RISK

WE USE EXISTING TECHNOLOGIES IN NEW WAYS TO REDUCE RISK AND TIME TO MARKET

Golden rule of aircraft design: reduce weight!!!

• Spine aircraft are proven tech.

Except, container is treated as part of payload







Detachable fuselage designs are proven tech.
 Container is still treated as part of payload





• Square fuselage aircraft are proven tech.

Byblos redesigns container as part of the airplane (using square fuselage tech.)







${\mathcal N}$ Byblos $^{ ext{ iny B}}$ first company to eliminate container weight from payload!







Possible only with modern tech

Spine Aircraft

Detachable Fuselage Segments Container Part of Aircraft & Low Risk Lightweight Container is Intermodal Convert Existing Aircraft with Exp. Team Lowest R&D Costs for an Intermodal Solution Full
Automation &
Automated
Inspection

Strong Proven Global IP Protection

Hybrid System
Drone Ready &
Manned
n Option

Growth & Revenue in Multiple Market Segments Business
Model Designed
for Global Growth
& Global
Acceptance



Byblos® first company able to afford 100% Renewable Aircraft Fuels today!

STAGNANT AIR FREIGHT INDUSTRY THAT MOVES PIECES & USES HIGH LABOR

Push air cargo into plane

Push air cargo to ramp

Rearrange cargo





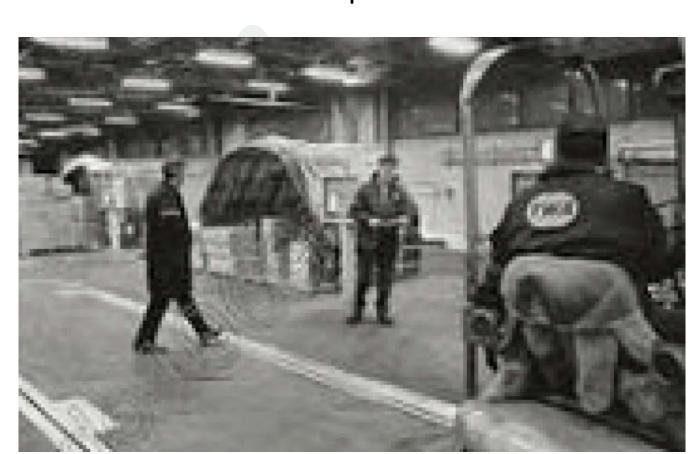




1960s



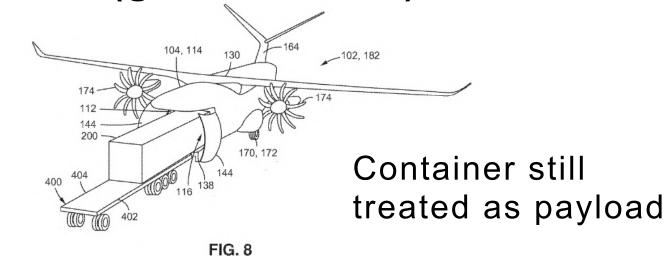




BOEING PATENTS CLEARLY STATE THE NEED FOR INTERMODAL AIR FREIGHT

US 11,932,374 Freighter Aircraft System and Container System (granted 2024)

"...there exists a need in the art for a system and method for the seamless transport of freight which avoids the **time and expense** associated with rebulking operations between air transport and surface transport modes."

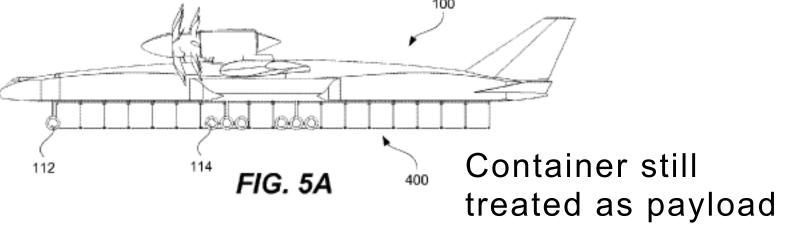


Note: Labor represents 39% of FedEx Express's costs

US 9,205,910 Cargo Aircraft for Transporting Intermodal Containers in Transverse Orientation (granted 2015)

"The inability of modern aircraft to efficiently transport a large number of intermodal containers has **significantly limited** expansion of aircraft transport"

"...new business strategies (e.g. just-in-time supply) and globalization of markets have created a strong demand for faster shipping... yet demands lower costs, which cannot be realized using modern aircraft."

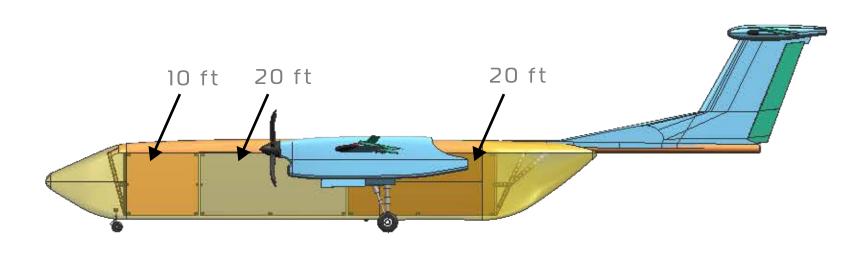


FASTEST GO-TO-MARKET

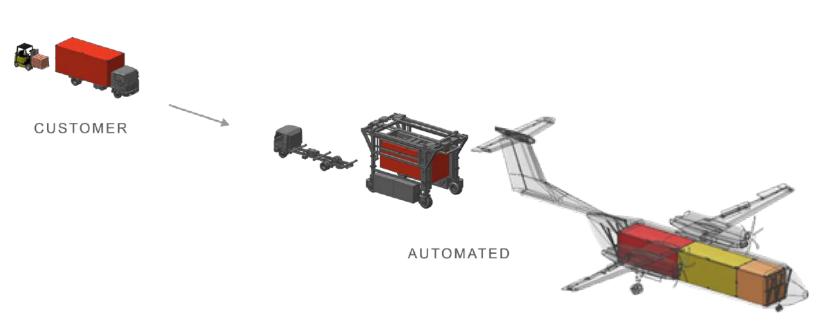
BYBLOS®

LOWEST COST MVP (Minimum Viable Product)¹ DE HAVILLAND DASH 8-400

DELIVERABLE: 3-3.5 YRS FAA2 CERTIFIED AIRCRAFT



APPROX. SIDE VIEW

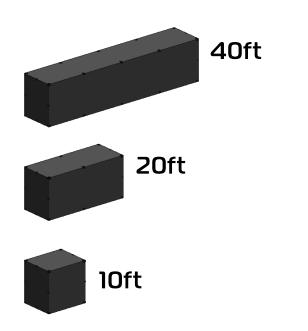


BYBLOS® CONVERTED SPECS (SEE APPENDIX FOR COMPETITOR SPECS)

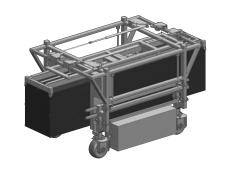


- Range up to 1,700 nm (1,956 miles, 3,148 km)
- 2x 20ft containers + 1x 10 ft (2,904 cubic ft, 82.23 cubic m)
- Up to 22,500 lbs (10.23 Tonnes) payload
- 350 mph (556 km/h)

Byblos® Containers



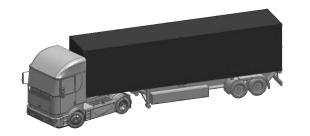
EXISTING EQUIPMENT







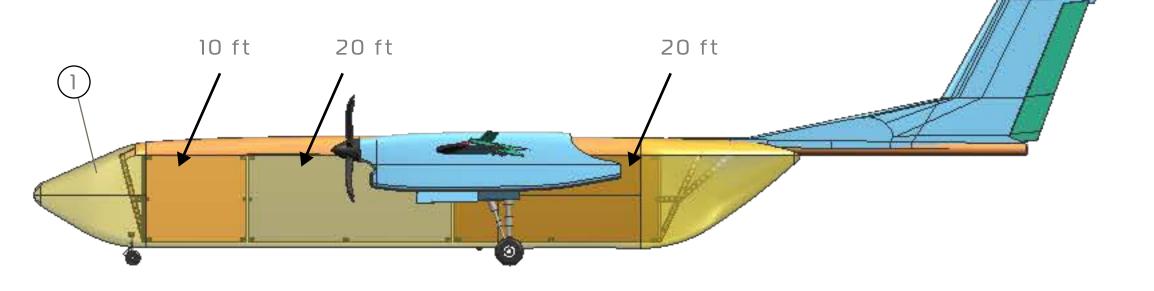




SINGLE AXLE SEMI WITH CONTAINER CHASSIS

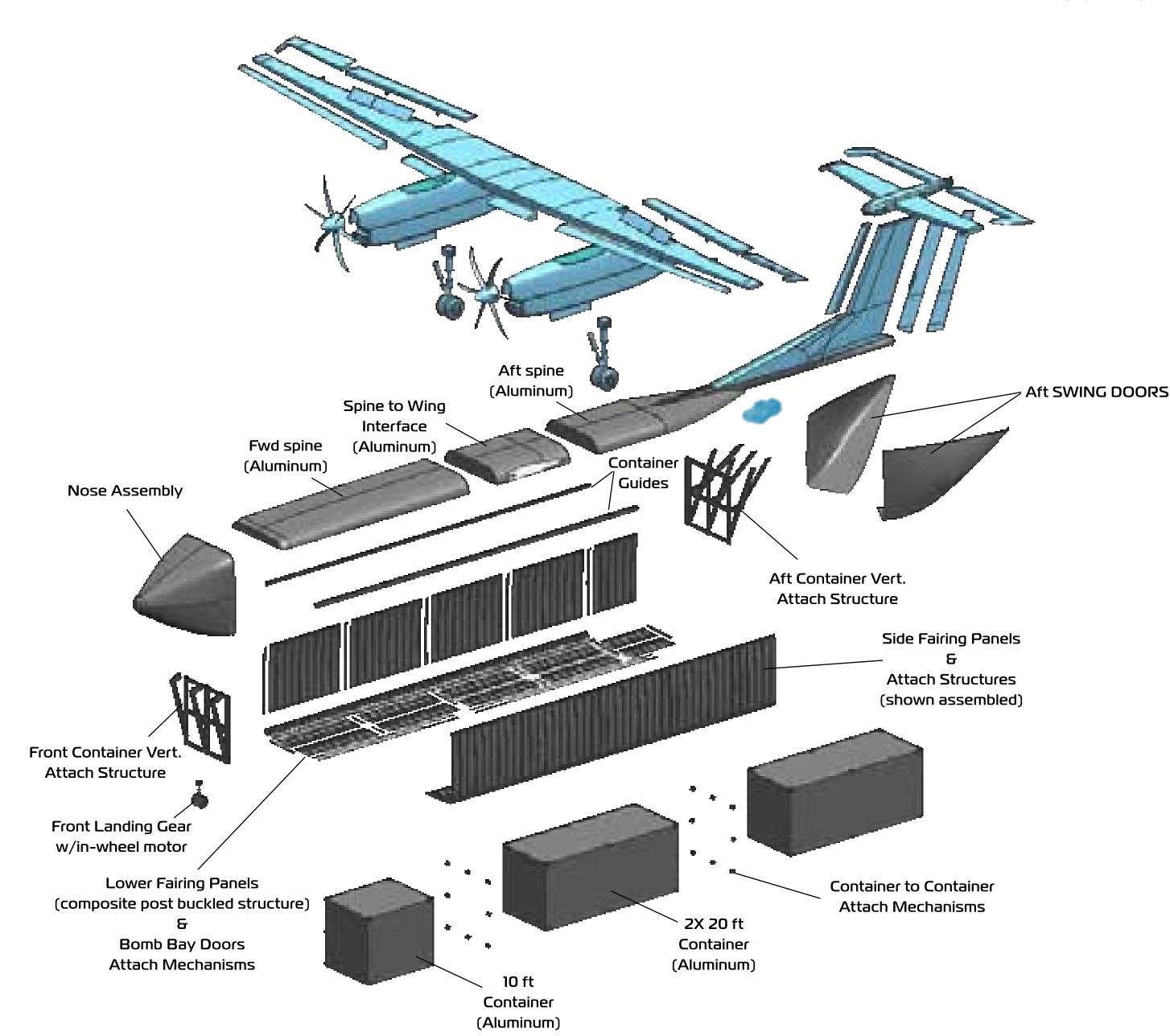
Access door 91.2"x 90" (W2.28m x H2.26m)

Container Size	Inner Vol. (ft ³)	Payload (lbs)	Tare Wt (lbs)	lbs. per cu. ft.
10 ft	560	4,339	634	7.75
20 ft	1,172	9,081	1,297	7.75
40 ft	2,385	18,208	2,647	7.63



APPROX. SIDE VIEW

PARTS BREAKDOWN



BASELINE

De Havilland Technology (still in production)



BYBLOS® Technology Development parts

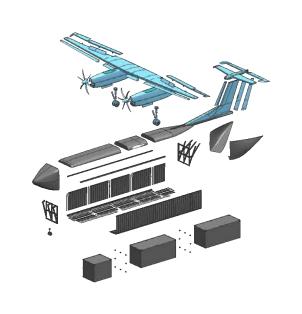
BYBLOS® CONTAINERS ARE PART OF THE AIRCRAFT STRUCTURE

ADDITIONAL INFO

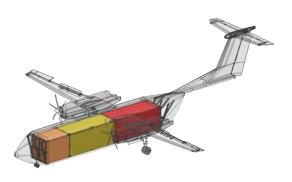
- Spine, containers, and support frames all aluminum
- Outer fairings composite post-buckled structures
- Spine to contain all wiring, computers, batteries, and additional fuel tanks
- Nose assembly will have pilot cockpit that can be removed once networks can manage drones in manned airspace and airports
- All parts will have multiple bids to our drawings from existing aircraft vendors
- Assembly will occur at FAA approved facilities
- New fuselage will meet structural requirements of old fuselage

FOUNDATION AIRCRAFT SPECS

Sub-Regional Aircraft

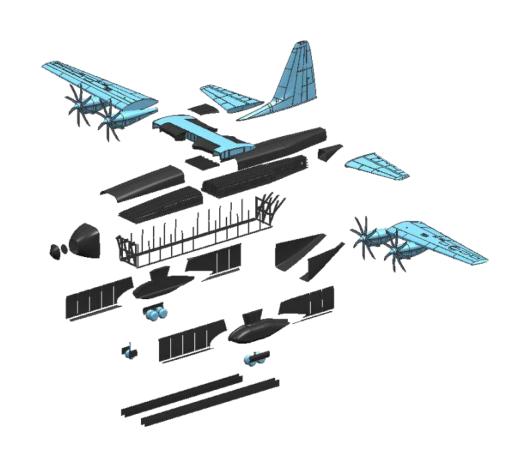


Dash 8-400

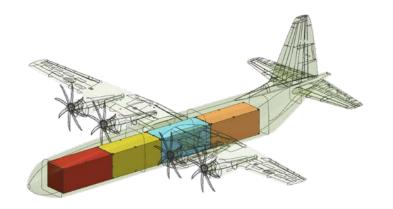


22,500 lbs 2.48 TEUs 1,956 miles

Regional Aircraft

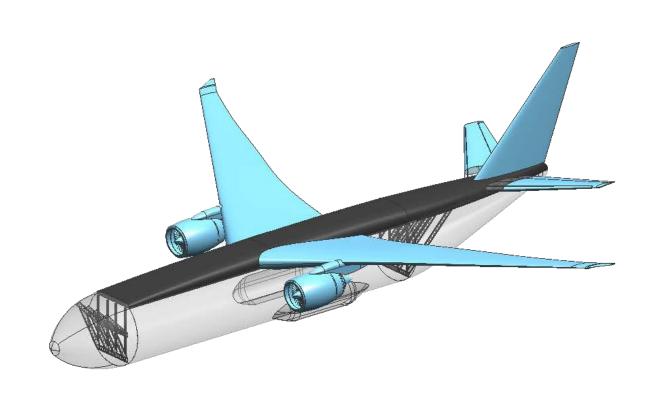


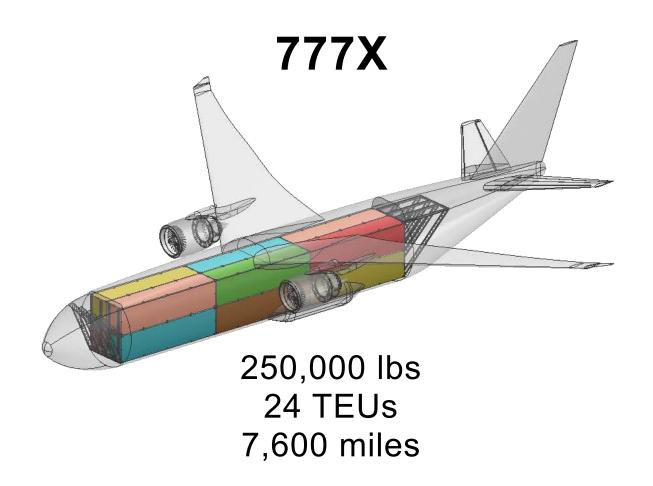
LM-100J



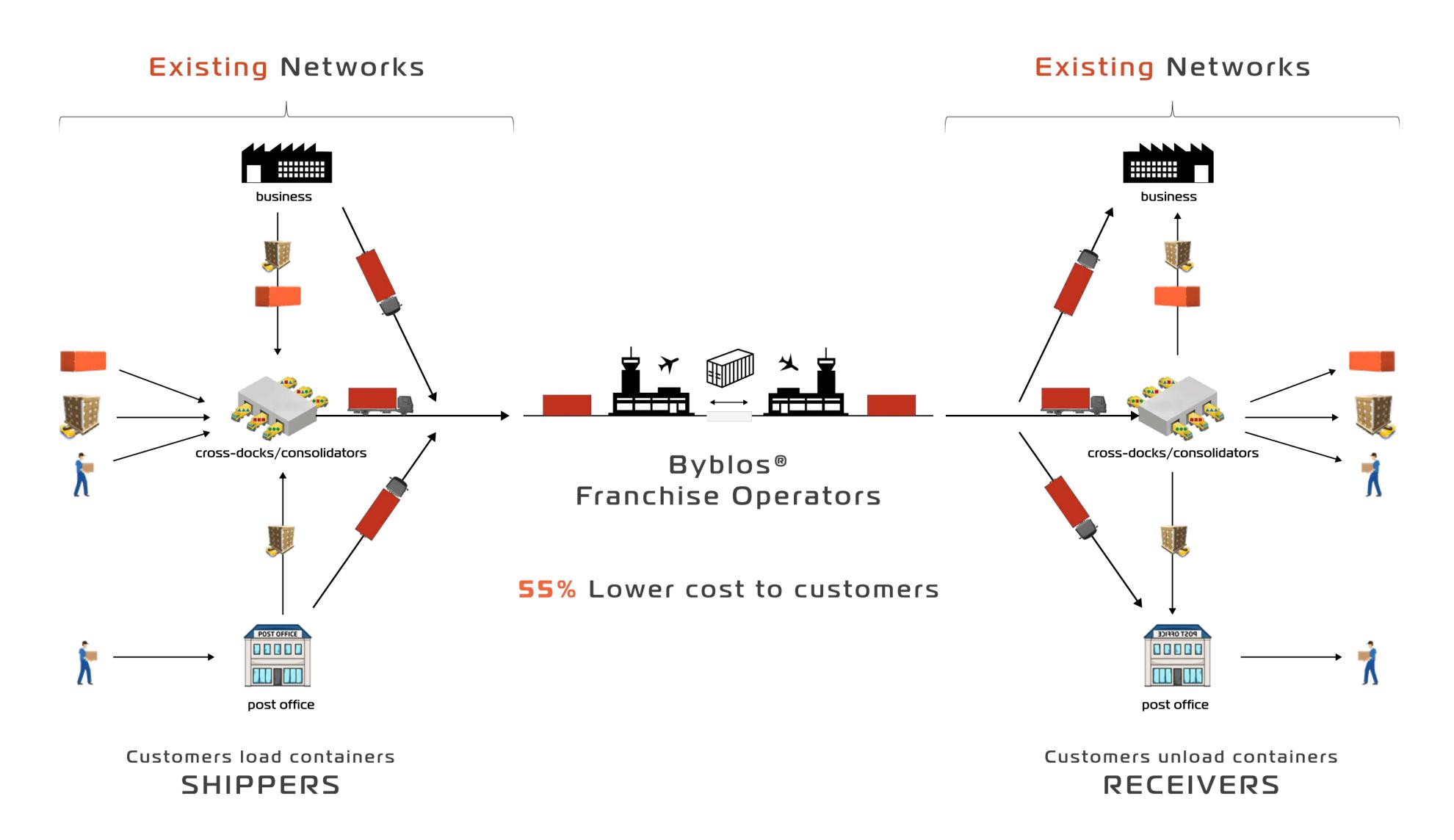
41,000 lbs 4.51 TEUs 2,750 miles

International Aircraft





Leveraging Existing Intermodal¹ & Ground Networks



Air Freight goes to the lowest cost (provided delivery time can be met)

Go-to-Market Strategy for Global Service

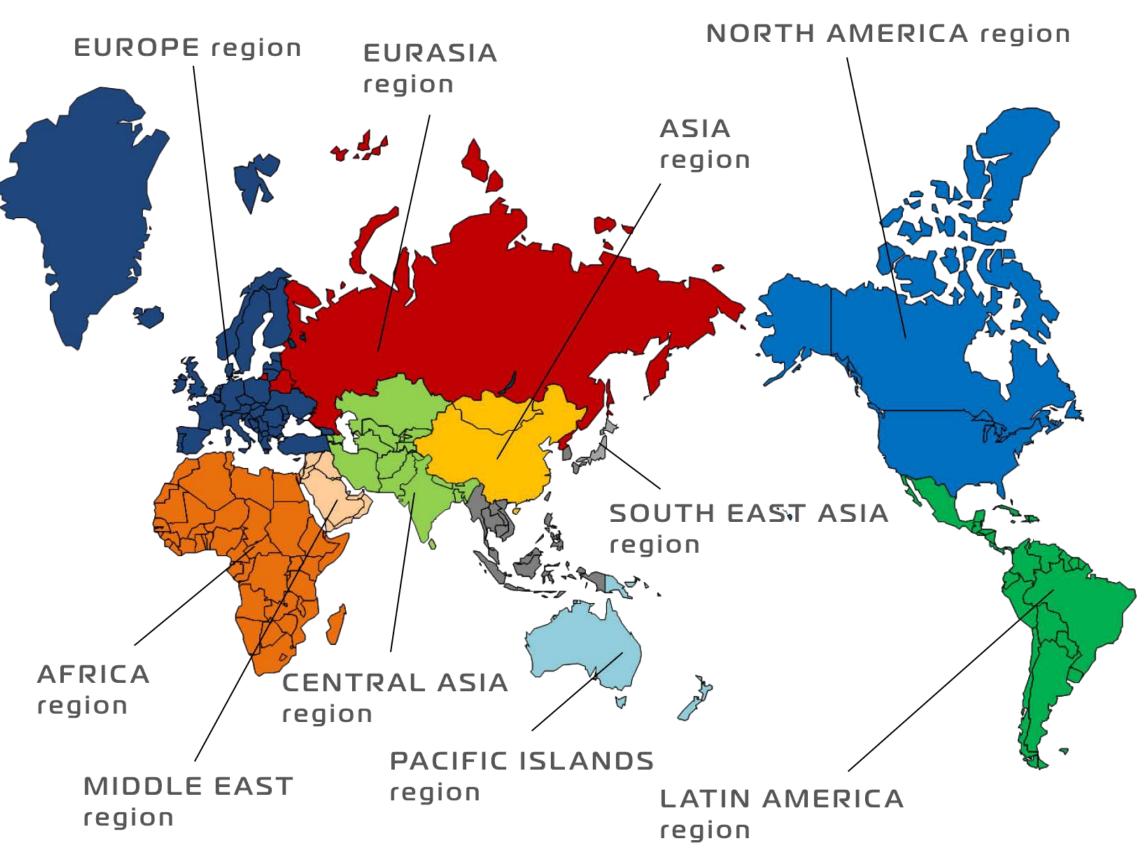
Global, pay-per-use Franchise Model

- 10-region global framework
- Localized compliance, fintech layers
- Asset-light onboarding of regional operators
- Data + revenue remain localized
- Assets transfer lease at franchise boundary

Why a Franchise?

Company	% of Revenue from US ¹	
FedEx	70.0%	
UPS	81.1%	
Amazon	73.3%	
Walmart	89.3%	
McDonald's	52.0%	





(Franchise model)

¹Based on 2023 data

²Franchise owner is citizen of country of airspace & data resides locally in country franchise resides in

IP & INNOVATION

FIRST COMPANY TO SOLVE HOW TO TRANSPORT INTERMODAL COMPATIBLE CONTAINERS ECONOMICALLY

TECHNOLOGY PATENTS

The core technology behind our aircraft is protected by **over 30+ global patents.** Picket fence patents extend most protections through 2038

Cited over 250 times

- Used by Patent office examiners to block competitors' IP
- IP has not been challenged to date





PICKET FENCE **PATENTS**

BLANKET PATENTS & TRADEMARKS

CORE TECHNOLOGY SUMMARY

- Containers share aircraft loads
- Methods for loading aircraft
- Different sized containers
- Lower & Upper Spine Systems
- Various Custom containers

Our lightweight aircraft containers are fully compatible with existing intermodal infrastructure

PICKET FENCE TECHNOLOGY SUMMARY

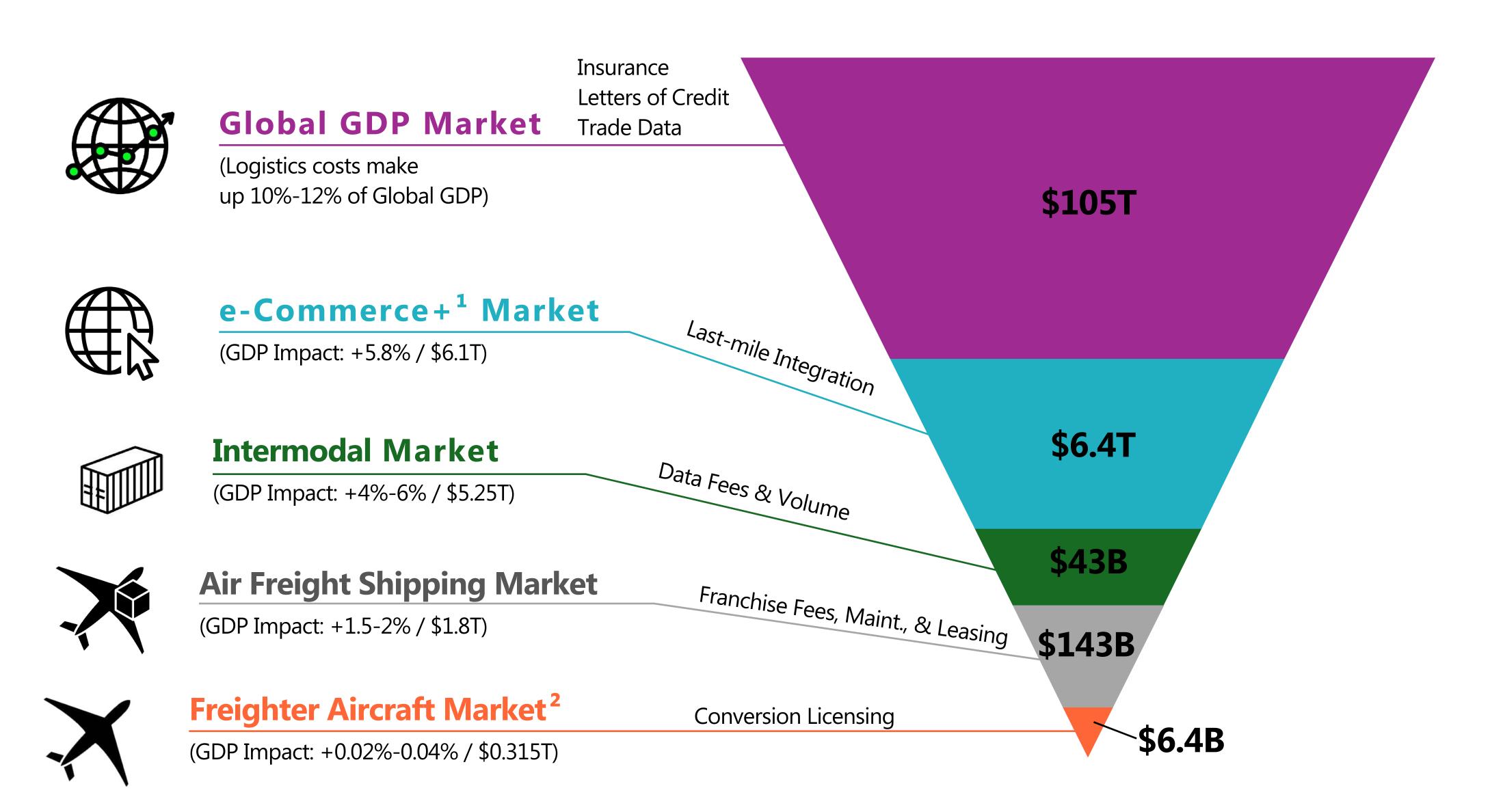
- Electrical & data connection between spine and containers
- Oversized containers(e.g. 2x2 wide) and other container details
- Tension cables for lower wing aircraft designs
- · Pressurized systems for jet powered aircraft
- Customized containers
- Heated Spines to Match Container Temps when on desert ground

BLANKET TECHNOLOGY SUMMARY

- Truck Container Systems
- Business Model Applications
- Space Rocket Systems
- Space Plane Systems

Byblos[®] tech applicable to most airplanes, helicopters, and VTOL systems

Byblos® Expanded Addressable Markets (2023)



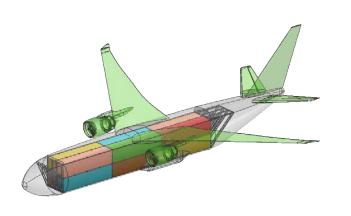
¹+ indicates that moving containers will allow us to enter insurance, data optimization, and banking services

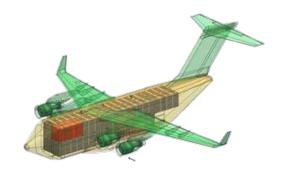
² P2F is the industry term used for converting passenger aircraft to cargo aircraft

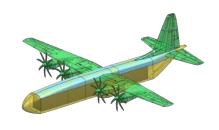
BYBLOS® TECH. APPLICABLE TO MOST AIRCRAFT SYSTEMS

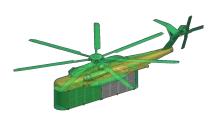
WE ALSO HAVE DEVELOPED CONTAINER TRUCKS SYSTEMS

Byblos® tech works with most fixed wing, rotary wing, VTOL systems, and ground systems¹















384,000 lbs. payload 24 TEUs International aircraft

160,000 lbs. payload 18 TEUs International aircraft

64,000 lbs. payload 4 TEUs Regional aircraft

2TEUs Regional aircraft

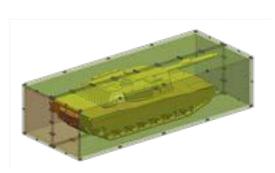
38,000 lbs. payload 32,000 lbs. payload 16,000 lbs. payload 2TEUs Regional aircraft

1TEUs Regional aircraft

truck various

Byblos® tech extends to unlimited container customizations, truck systems, and space systems

















Innovative Container Truck Solutions

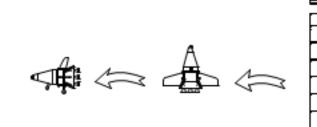


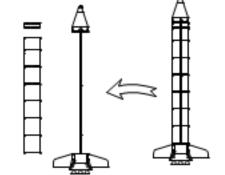




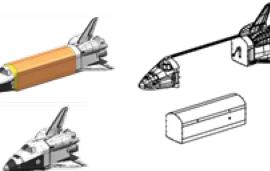








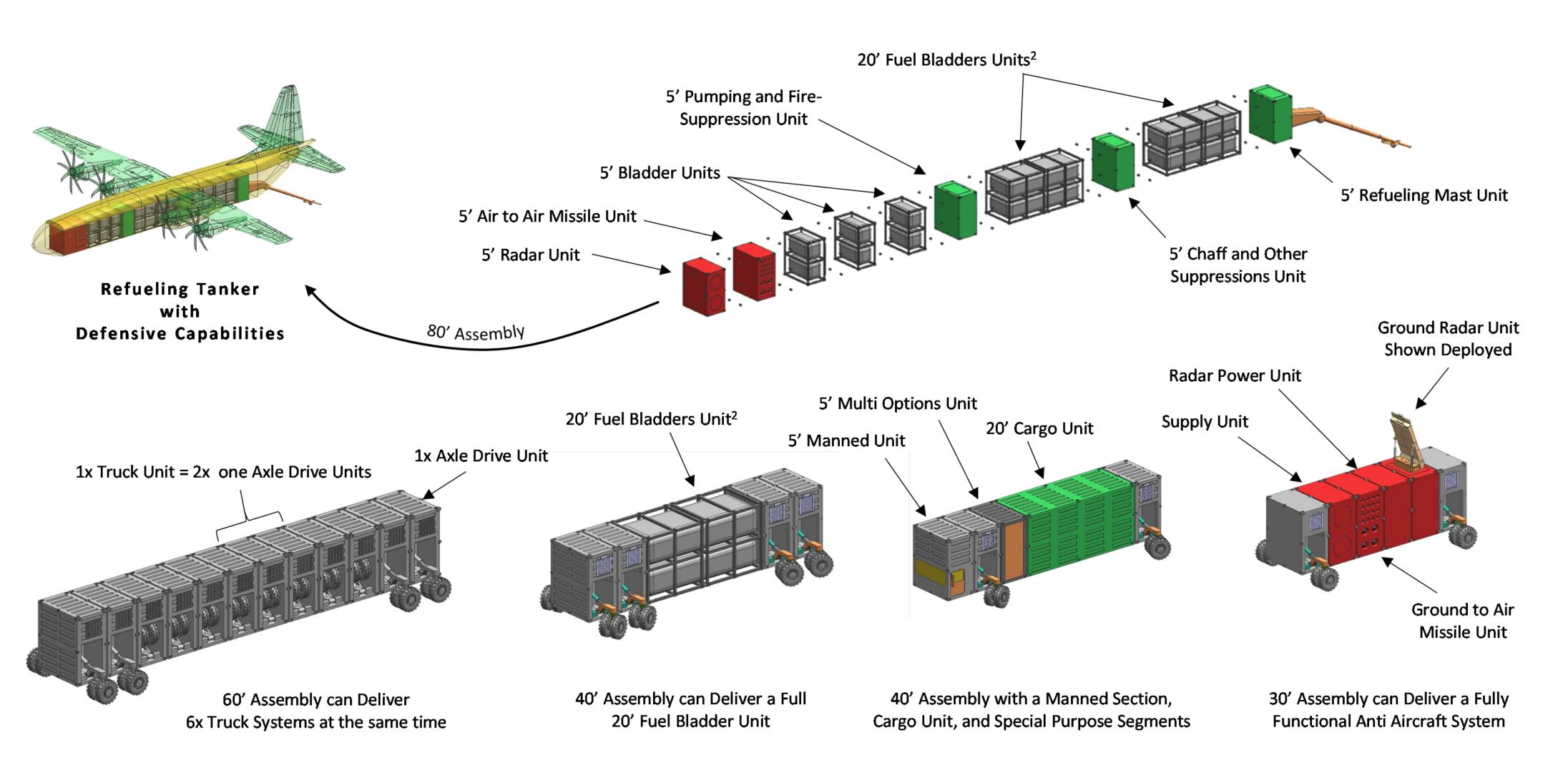




Innovative Space Solutions

CASE STUDY: FLEXIBILITY APPLICATIONS

WE ALSO HAVE DEVELOPED CONTAINER TRUCKS SYSTEMS



Proven Leadership



ELIE HELOU JR. FOUNDER, CEO

- 25+ years at McDonnell Douglas/ Boeing, Wyman-Gordon Composites, C&D Aerospace, AEC-Able Engineering, among others
- 12 years as CEO & Founder of Biosphere Industries Corp., later a JV with SEE (Fortune 500 Company)
- Inventor with 50+ global patents in multiple industries
- Managed \$800+ million development projects as lead engineer at McDonnell Douglas
- Managed \$5 million joint venture with NASA involving the develop. of aircraft stitched composites tech., growing into \$100 million



BILL WAGNER PREDIDENT, WAGNER AERONAUTICAL INC.

- 30+ years at Boeing, Northrop, Lockheed, & Flight Structures, Inc.
- MOU executed. Wagner
 Aeronautical Inc., will provide the
 preliminary aircraft conversion
 service, drastically reducing time to
 first flight; CEO of Dorsal®
- Decades of serving as an FAA certified structures Designated Engineering Representative ("DER") with authorizations in static, fatigue, fracture analysis, and repairs & alterations
- Experience converting aircraft much larger than the Byblos MVP, including 757s, 767s, and 777s
- Advises FAA on aircraft conversions



CARLA LUCCHINO

CHIEF COMMERCIAL OFFICER

- Served as Chief of Staff to the Secretary of the Navy
- 30+ years in DOD reaching civilian equiv. rank of 3-star general
- Extensive supply chain, logistics, and military
- Worked for all 4 military services, 2
 Defense Agencies & SecDef
- Extensive supply chain, logistics, and military acquisition experience
- Served as Marine Corp's Assistant
 Deputy Commander for installations
 E logistics
- Served as Chief of Staff for the MITRE CEO, a science and systems engineering firm

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