

BYBLOS®

One-Day Low-Cost Global Intermodal network

THE PROBLEM

80% of cross-border e-commerce goes by air

FAST = HIGH-COST



1%
freight*

SLOW = LOW-COST



50%
freight*

FAST & LOW-COST



2%
freight*

And 95% of all purchases will be made online by 2040

*by global volume

THE SOLUTION

Fly intermodal containers at low-cost



[Press For Video](#)

Global delivery <24 hrs.

30+ global patents (thru 2038)

Up to 65% lower air cargo costs

100% Renewable Aircraft Fuels



Customers load & unload our lightweight-intermodal-compatible containers

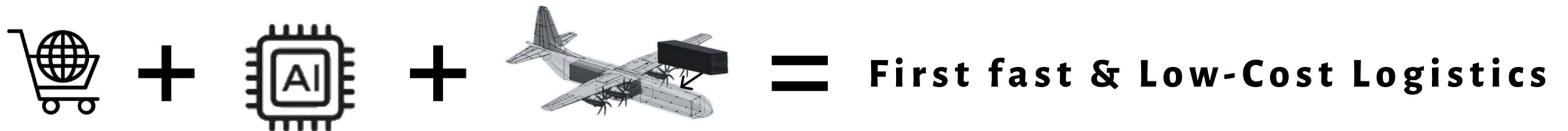
Byblos[®] technology meets the needs of the logistics physical internet today

WHY NOW

E-commerce + AI = increasing Delivery-On-Demand economy

Delay between ordering & receiving = massive inefficiencies

Market leaders using same process as 60 years ago, high labor use



MARKET SIZE (AIR FREIGHT ONLY)

TAM \$92B *Byblos Tech. expected to double size of air cargo market*

Global dedicated air cargo market served (regional & international aircraft)

$$\begin{array}{r} \$143B \\ \text{Global Air Freight} \\ \text{Revenue 2023} \end{array} \times \begin{array}{r} 64\% \\ \text{Shipped By} \\ \text{Dedicated Air} \\ \text{Cargo, Aircraft} \end{array} \times \begin{array}{r} 30\% \\ \text{Gross Margin} \end{array} = \begin{array}{r} 27.5B \\ \text{Minimum} \\ \text{Margin} \end{array}$$

SAM \$59.3B

- Focus narrowed down to most promising regions: North America, Asia-Pacific, Middle East, & Europe (regional aircraft)
- 50% market capture of dedicated cargo aircraft business

$$\begin{array}{r} \$143B \\ \text{Global Air Freight} \\ \text{Revenue 2023} \end{array} \times \begin{array}{r} 64\% \\ \text{Shipped By} \\ \text{Dedicated Air} \\ \text{Cargo, Aircraft} \end{array} \times \begin{array}{r} 90\% \\ \text{Percentage of} \\ \text{Global Air Cargo} \\ \text{In Target Regions} \end{array} \times \begin{array}{r} 50\% \\ \text{Market Served} \end{array} \times \begin{array}{r} 30\% \\ \text{Gross Margin} \end{array} = \begin{array}{r} 12.4B \\ \text{Minimum} \\ \text{Margin} \end{array}$$

SOM \$9.2B

- Focus narrowed down to most promising regional markets:
 - North America – large time-sensitive shipments are driven by e-commerce
 - Intra-East Asia – high amounts of intra-region manufacturing trade between South Korea, Japan, Taiwan, & East Asia
 - Middle East – trade growth acting as hub between Asia and Europe
- Serviced by our MVP, which flies within a 2,750 mile range
- Assuming market capture of 10% of dedicated air cargo business

$$\begin{array}{r} \$143B \\ \text{Global Air Freight} \\ \text{Revenue 2023} \end{array} \times \begin{array}{r} 53\%* \\ \text{Shipped By} \\ \text{Dedicated Air} \\ \text{Cargo, Aircraft} \end{array} \times \begin{array}{r} 42.2\% \\ \text{Percentage of} \\ \text{Global Air Cargo} \\ \text{In Target Regions} \end{array} \times \begin{array}{r} 10\% \\ \text{Market Served} \end{array} \times \begin{array}{r} 30\% \\ \text{Gross Margin} \end{array} = \begin{array}{r} 1B \\ \text{Minimum} \\ \text{Margin} \end{array}$$

MARKET SIZING – Civilian Air Cargo

Our conservative numbers are based on only serving the dedicated air cargo market.

Less than 36% of air cargo is shipped on passenger planes, which our solution can still be a strong replacement for.

We will begin SOM penetration via providing shipping services to freight forwarding companies between L.A. & Chicago (North America region)

MARKET SIZE (BASED ON RELEASED IP)

TAM \$6T **

\$6.43B

Cargo Aircraft
Market

\$143B*

Air Freight
Market

\$200B

Freight Forwarders
Market

\$27B

Intermodal Freight
Market

\$1B

Civilian Cargo
Helicopter
Market

\$12B

Intermodal Containers
Market

\$250B

Civilian Trucks
Market

\$5T

E-commerce
Market

*64% of air freight is carried by dedicated cargo aircraft

**does not include financial and data monetization revenue streams

COMPETITION

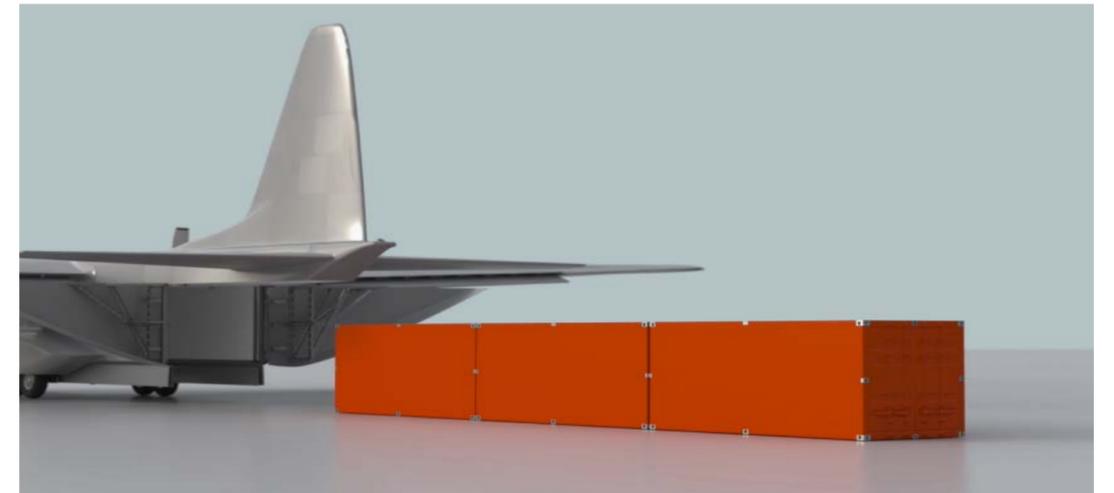
Existing Air Freight Companies
move pieces



MANUAL intensive



Byblos®
moves intermodal containers



AUTOMATION+SPEED eliminate warehousing



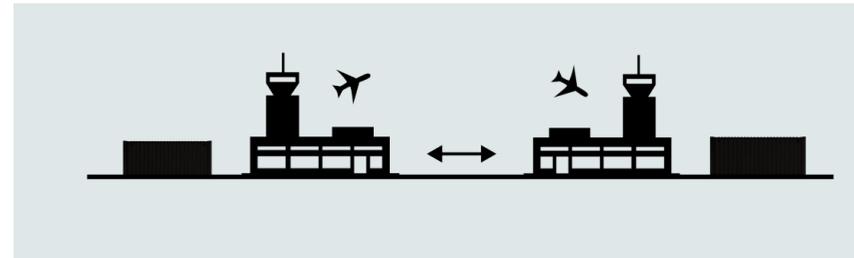
All market leaders using same hardware and using same process as 60 years ago

PRODUCTS

HARDWARE AIR-INTERMODAL



OPERATIONS AIRPORT-TO-AIRPORT



SERVICES DOOR-TO-DOOR



TIMELINE

Mode	Avg. Cost per Ton-Mile (USD)
Maritime:	0.01 - 0.05
Rail:	0.05 - 0.10
Pipeline:	0.02 - 0.08
Truck:	0.10 - 0.20
Air:	0.50 - 2.00
Byblos®	0.35 - 0.70



BUSINESS MODEL (ONLY MOVING CONTAINERS)

HARDWARE AIR-INTERMODAL

DORSAL® develops first prototype & FAA certs of all conversions

OEMs produce production aircraft per DORSAL® specs (similar to Apple®)

OPERATIONS AIRPORT-TO-AIRPORT

AIRAIL® manages airport-to-airport network (business model patent pending)

Model is a pay-per-use franchise with transfer of hardware & data control at airspace boundary

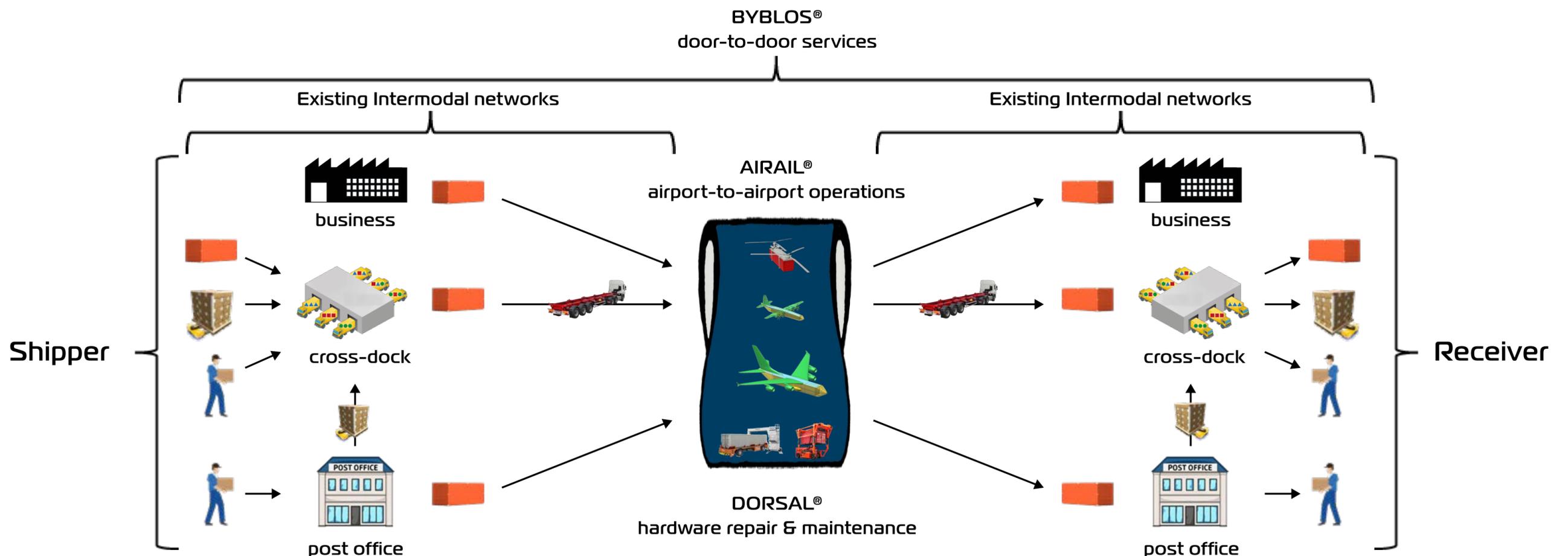
DORSAL® provides all repair and maintenance of hardware

SERVICES DOOR-TO-DOOR

BYBLOS® manages door-to-door network via web portal

BYBLOS® expands services into insurance, letters of credit, money transfers

BYBLOS® leverages data optimizing container loading for direct to delivery route on landing



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