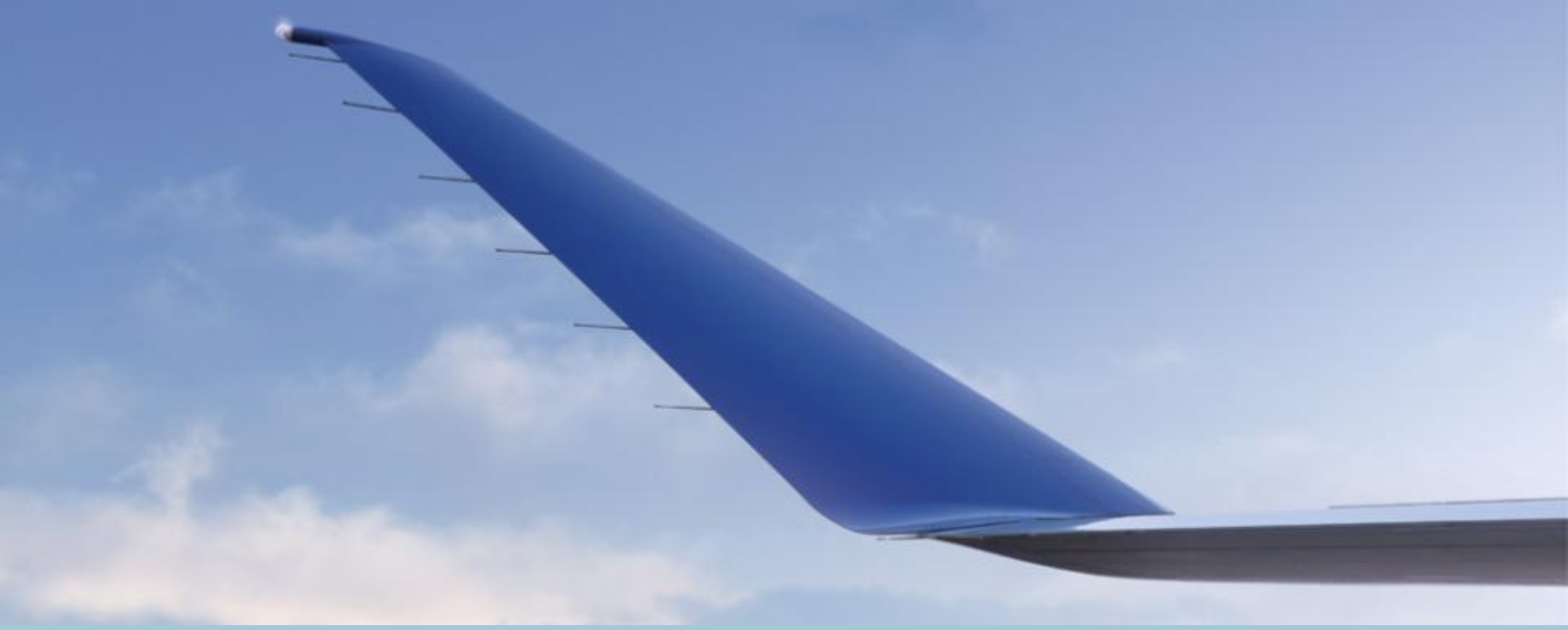


EMBRAER TITANIUM OUTLOOK

Titanium USA 2015 Conference

EMBRAER

AGENDA

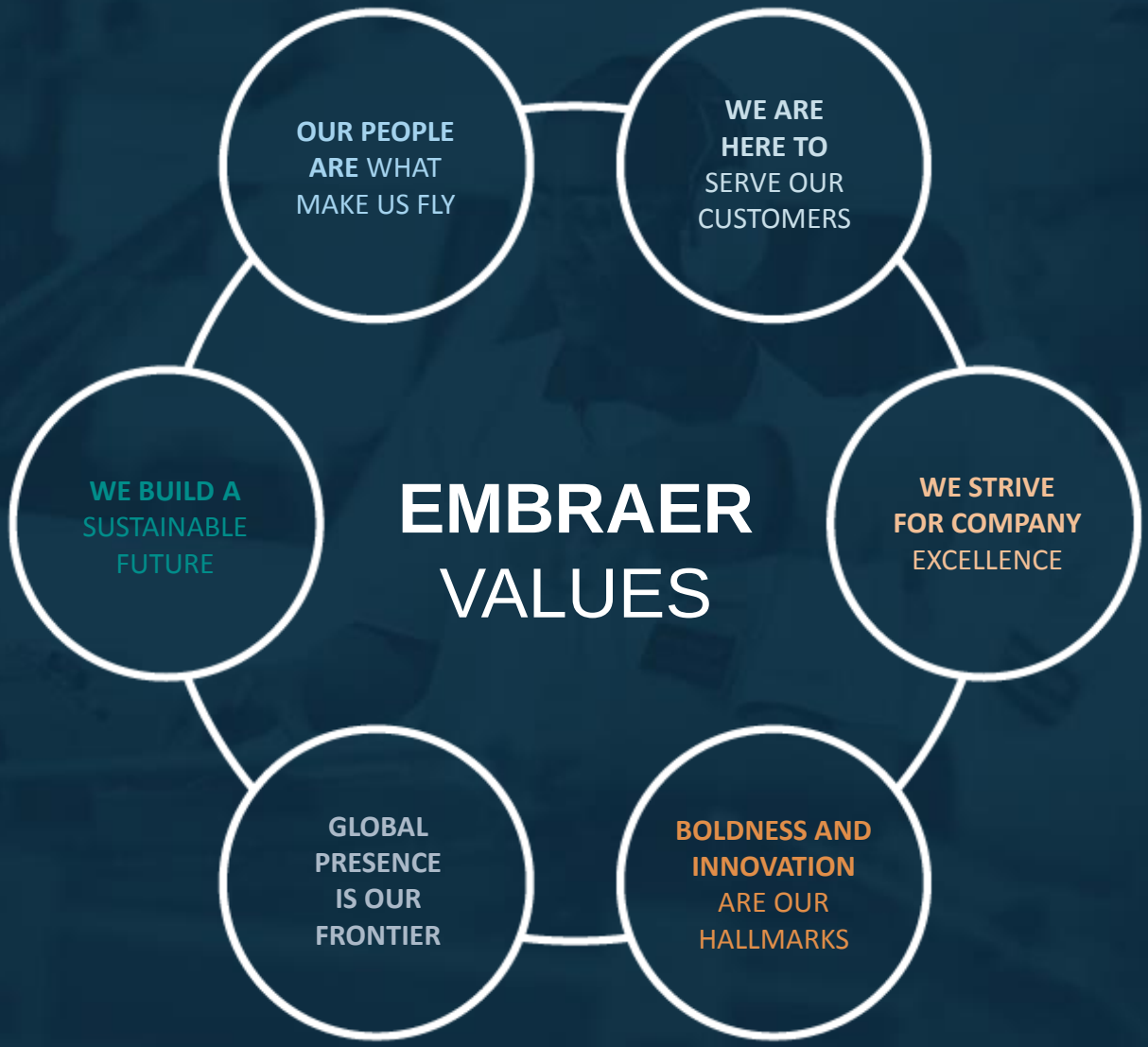
- EMBRAER OVERVIEW
- AIRCRAFT MARKET FORECAST
- STRUCTURAL MATERIALS IN EMBRAER PROGRAMS
- TITANIUM PURCHASING PROFILE
- FUTURE PERSPECTIVES
- CONCLUSION

EMBRAER OVERVIEW

OUR COMMITMENT

OUR COMMITMENT IS ABOUT CREATING VALUE FOR OUR SHAREHOLDERS, CLIENTS, EMPLOYEES AND SOCIETY IN GENERAL. WE ARE ETHICALLY, SOCIALLY AND ENVIRONMENTALLY CONSCIOUS, ALWAYS ADHERING TO THE HIGHEST STANDARDS OF CORPORATE GOVERNANCE AND THE EMBRAER VALUES.

THESE ARE WHAT MAKE EMBRAER STRONG AND GUIDE US AS WE STRIVE FOR LONG-TERM FUTURE SUCCESS.



WE OPERATE IN FOUR BUSINESS AREAS:

COMMERCIAL AVIATION

EXECUTIVE AVIATION

EMBRAER DEFENSE & SECURITY

EMBRAER SYSTEMS

WHERE WE OPERATE

NETHERLANDS
Amsterdam

UNITED KINGDOM
Farnborough

IRELAND
Dublin

FRANCE
Villepinte
Le Bourget

PORTUGAL
Évora
Alverca - OGMA

USA
Nashville
Fort Lauderdale
Melbourne
Mesa
Windsor Locks
Jacksonville

UAE
Dubai

CHINA
Beijing
Harbin – HEAI

SINGAPORE
Singapore

BRAZIL
São José dos Campos
Gavião Peixoto
Botucatu
Taubaté
Brasília
Belo Horizonte
São Paulo
Rio de Janeiro
Sorocaba
Campinas

JOINT VENTURES & AFFILIATES

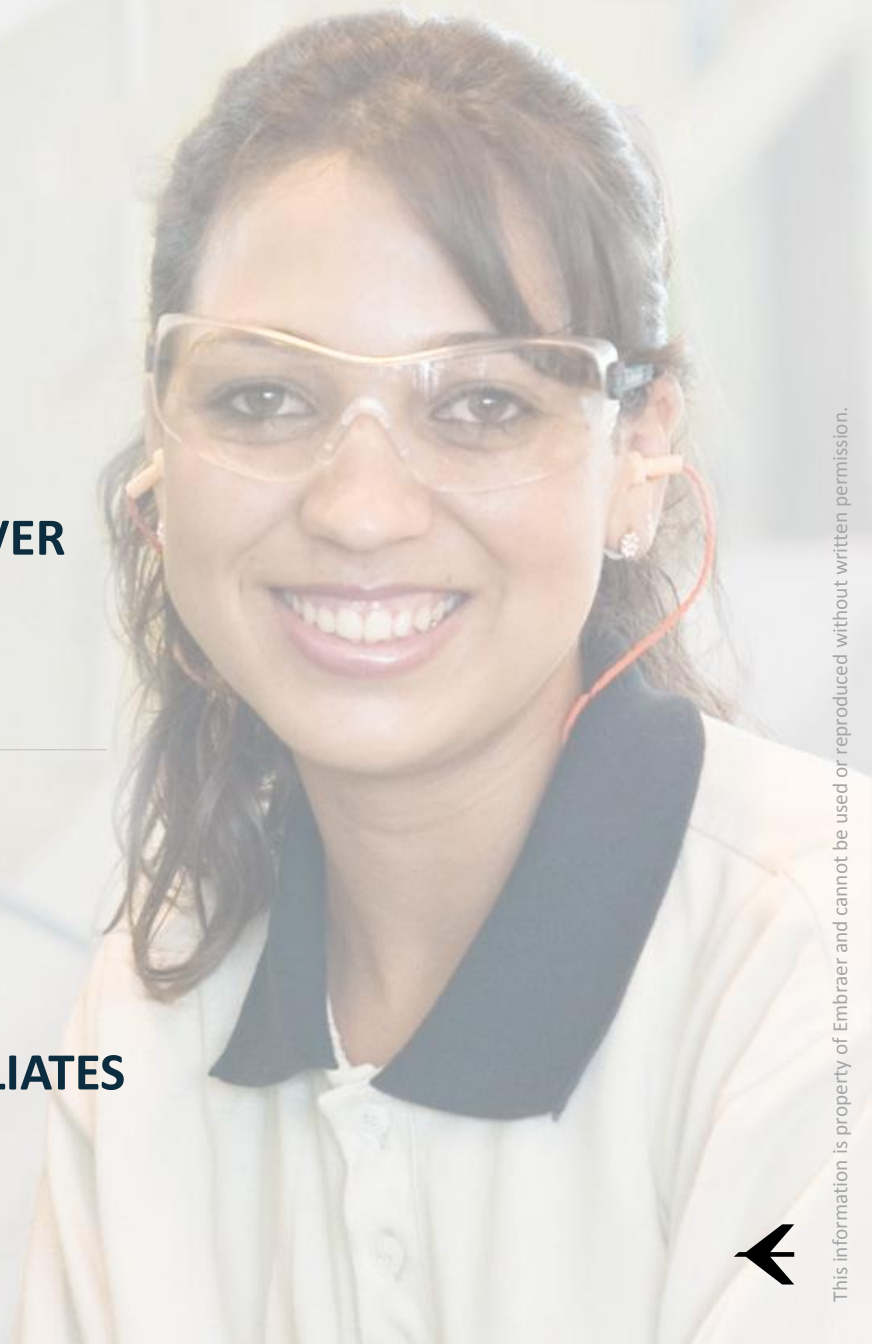
DIVERSITY IS WEALTH

19 THOUSAND

MORE THAN 19,000 EMPLOYEES FROM OVER 20 COUNTRIES

2.3 THOUSAND

MORE THAN 2,300 EMPLOYEES IN JOINT VENTURES AND AFFILIATES



COMMERCIAL AVIATION

CUSTOMERS | COMMERCIAL AVIATION

AIRLINES
90+

COUNTRIES
60

AIRCRAFT IN OPERATION
1.6 THOUSAND+

* E-Jets families and ERJ only; scheduled and non-scheduled airlines.

EXECUTIVE JETS PRODUCT PORTFOLIO

Ultra-large	Lineage® 1000E BY EMBRAER	
Large	LEGACY® 650 BY EMBRAER	
Super-Midsize	LEGACY® 600 BY EMBRAER	
Midsize	LEGACY® 500 BY EMBRAER	
Midlight	LEGACY® 450 BY EMBRAER	
Light	PHENOM® 300 BY EMBRAER	
Entry	PHENOM® 100E BY EMBRAER	

CLIENTS | EXECUTIVE AVIATION

JETS DELIVERED

900+

COUNTRIES

60

DEFENSE & SECURITY

Intelligence, Surveillance and Reconnaissance (ISR) Systems
EMB ISR AEW&C / MP / Multi-Intel

Light Attack and Advanced Training
A-29 Super Tucano

Tactical Military Transport
KC-390

Transport of Authorities

Aircraft Modernization

Unmanned Air Vehicle (UAV)

CLIENTS | DEFENSE & SECURITY

ARMED FORCES

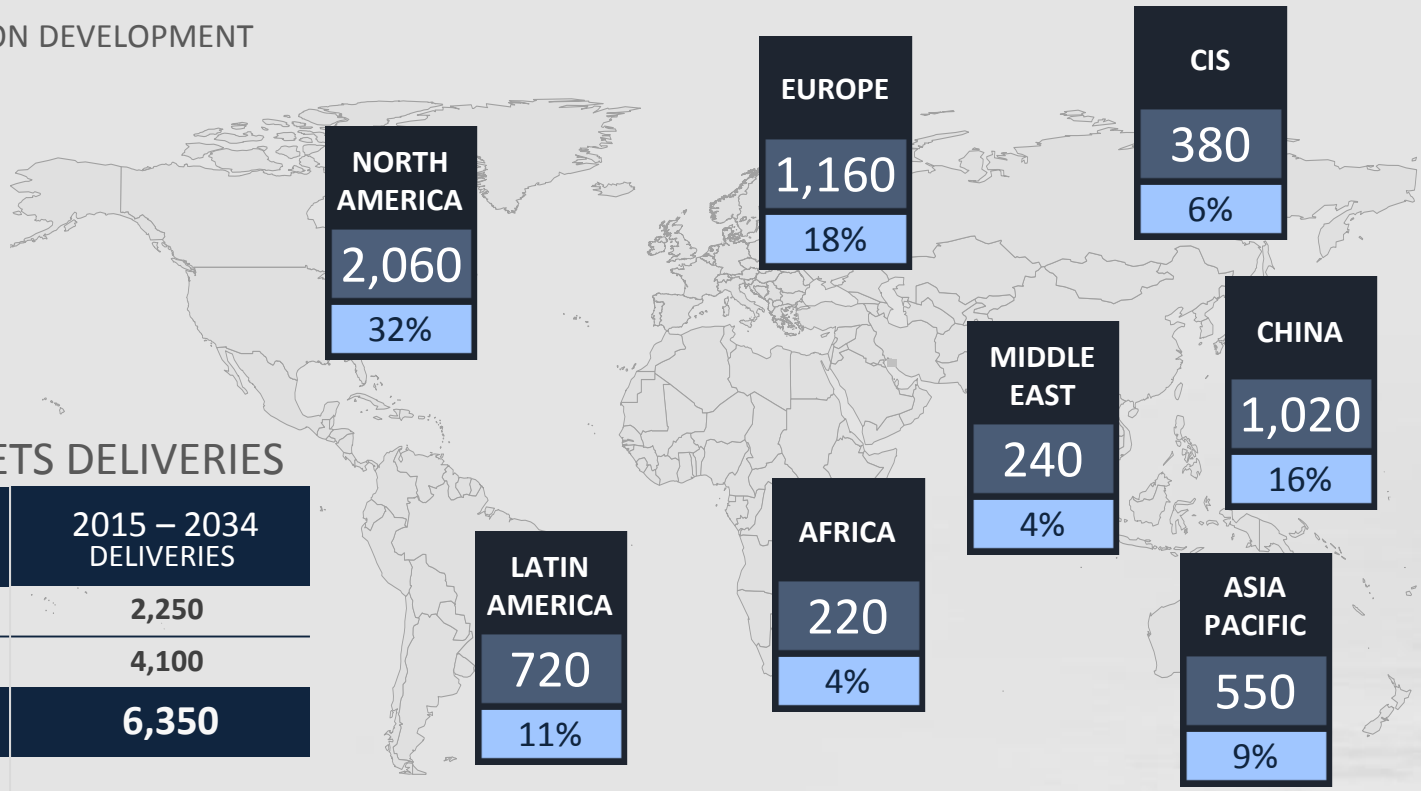
50+

Note: Excludes undisclosed clients

AIRCRAFT MARKET FORECAST

Commercial Aviation Market Forecast (2015-2034)

- REPLACEMENT OF OLD/INEFFICIENT JETS
- RIGHT-SIZING OF NARROW-BODY OPERATIONS
- HUB FEEDER AND POINT-POINT OPERATION IN LOW AND MID-DENSITY MARKETS
- REGIONAL AVIATION DEVELOPMENT



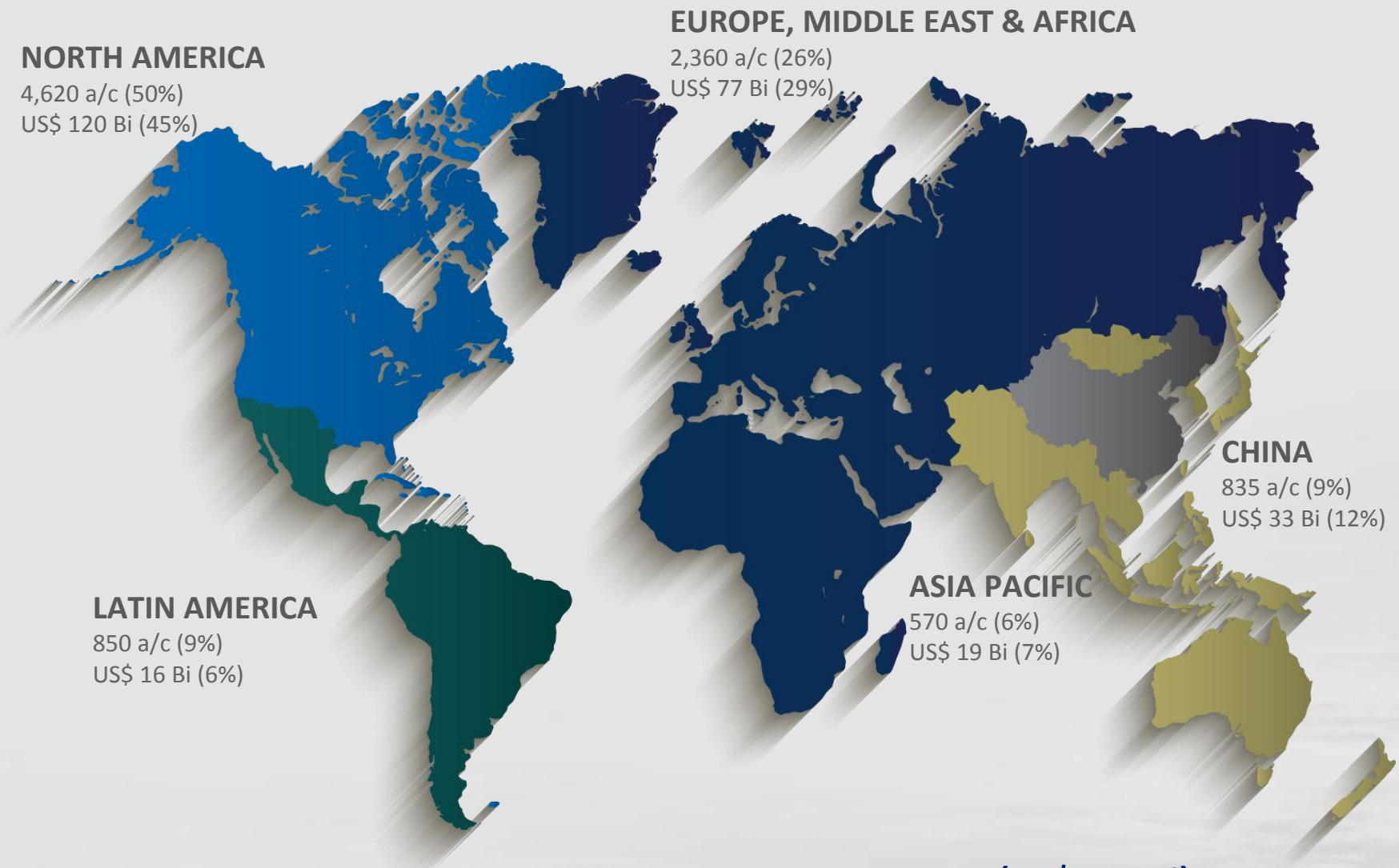
PROJECTED JETS DELIVERIES

MARKET SEGMENT (SEATS)	2015 – 2034 DELIVERIES
70 - 90	2,250
90 - 130	4,100
70 -130	**6,350**

AROUND 6,350 JET DELIVERIES (70-130 SEATS) IN THE NEXT 20 YEARS (US$ 300 BI)

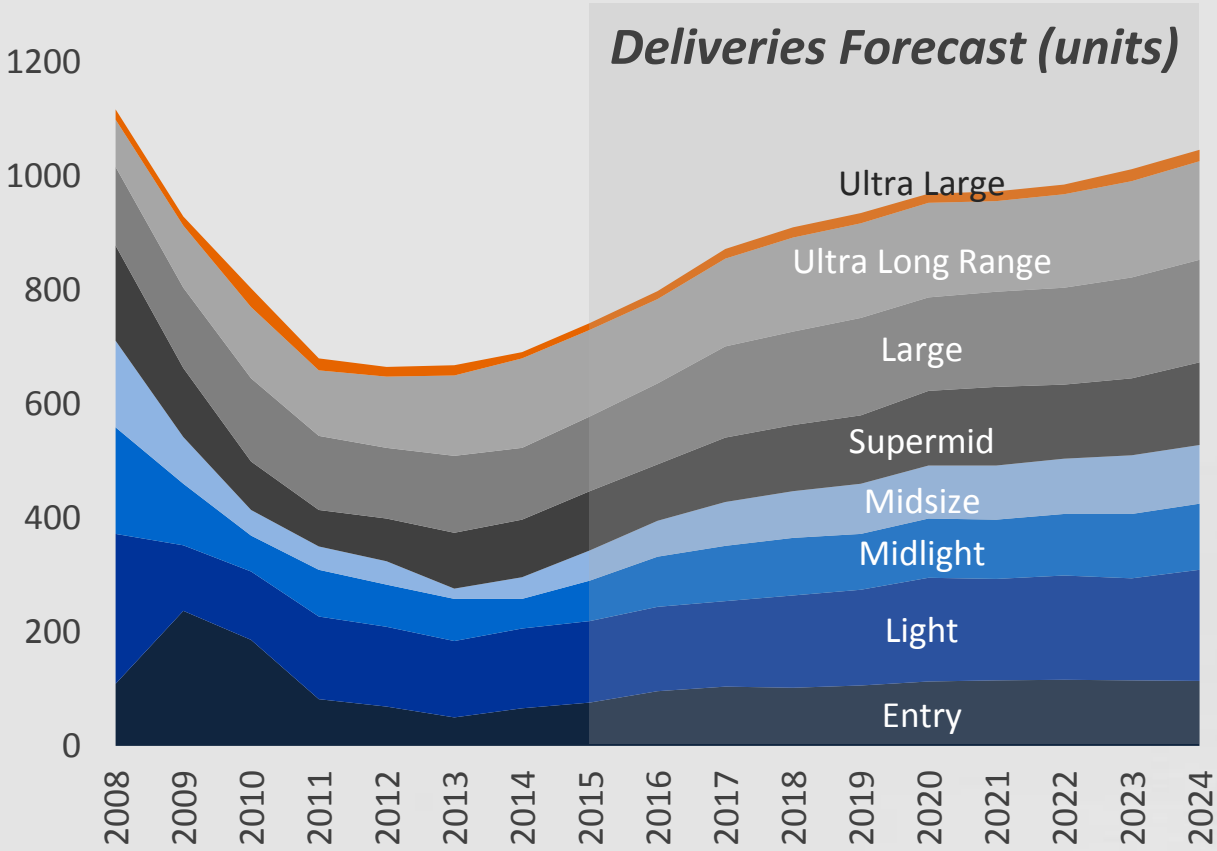
For more information: http://www.embraermarketoutlook.com

Executive Jets Market Forecast (2015-2024)



9,250 JETS WORLDWIDE IN THE NEXT 10 YEARS (US$ 265 Bi)

Executive Jets Market Forecast (2015-2024)



9,250 JETS WORLDWIDE IN THE NEXT 10 YEARS (US$ 265 Bi)

Defense & Security: Super Tucano

- FIRM ORDERS: MORE THAN 220 AIRCRAFT
- OVER 190 AIRCRAFT DELIVERED

300 AIRCRAFT BY 2020 (US$ 3.5 Bi)

Defense & Security: KC-390

BRAZIL: 28

ARGENTINA: 6

CHILE: 6

COLOMBIA: 12

CZECH REP.: 2

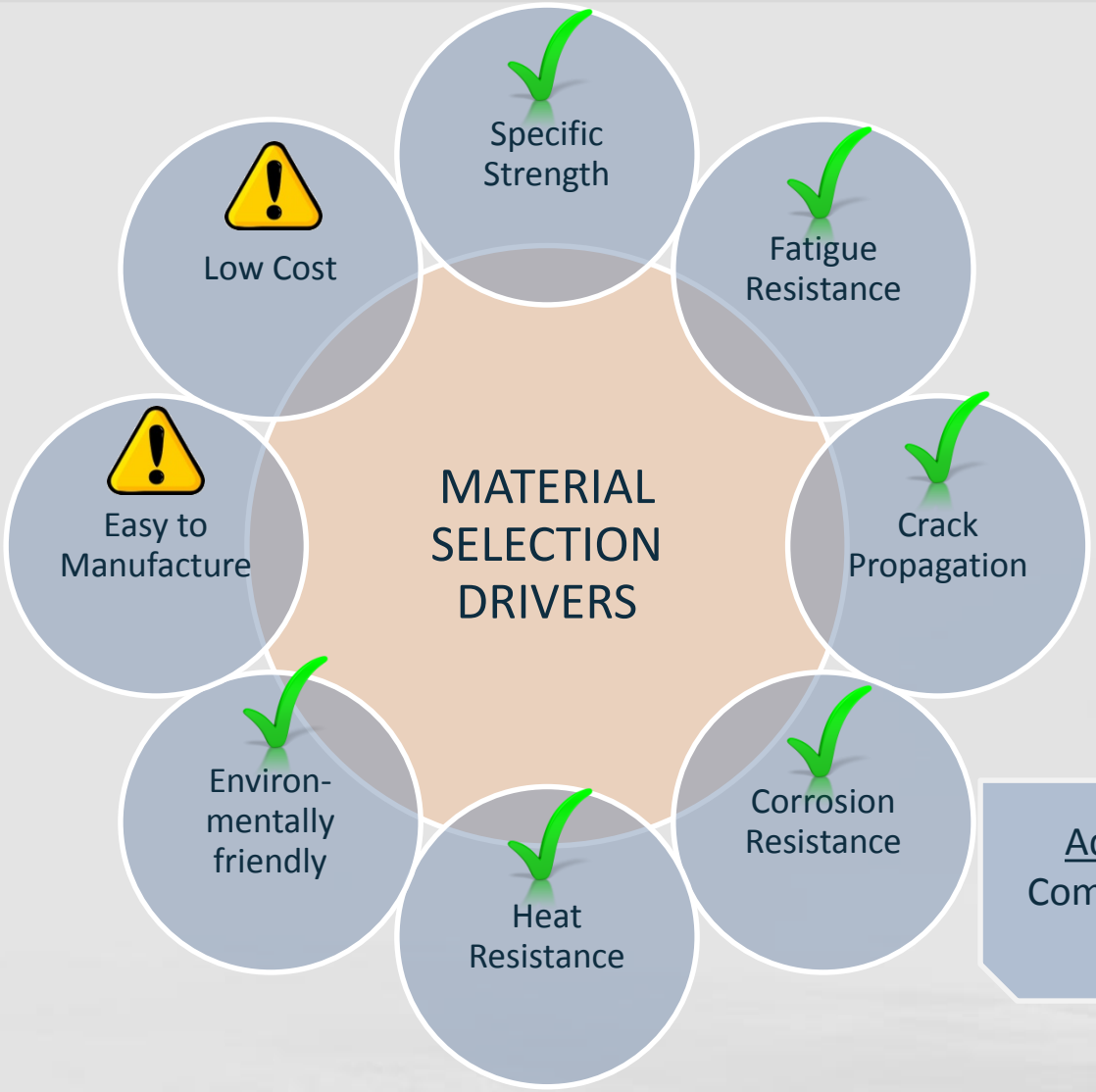
PORTUGAL: 6

- A NEW TACTICAL MILITARY TRANSPORT AND TANKER AIRCRAFT
- TECHNICAL PARTNERSHIP WITH BOEING TO INCREASE KC-390 SALES IN CERTAIN MARKETS
- SIX COUNTRIES LETTERS OF INTENT, TOTALIZING 60 AIRCRAFT
- FAB AND EMBRAER SIGNED THE SERIES PRODUCTION CONTRACT FOR 28 KC-390
- FIRST FLIGHT IN FEBRUARY 2015

ADRESSABLE MARKET UNTIL 2025: 700 AIRCRAFT

STRUCTURAL MATERIALS IN EMBRAER PROGRAMS

Titanium x Structural Materials

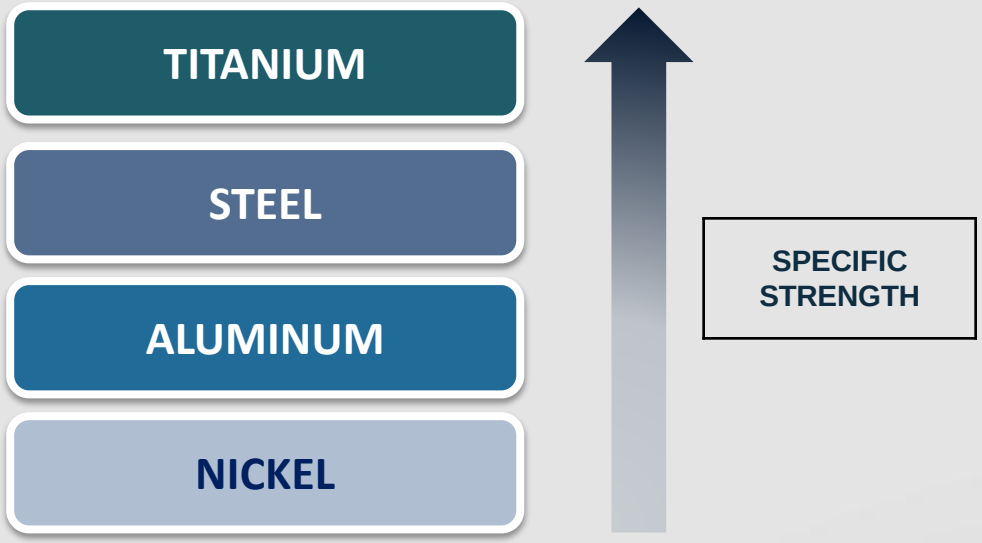


Additional Driver
Composite structures compatibility

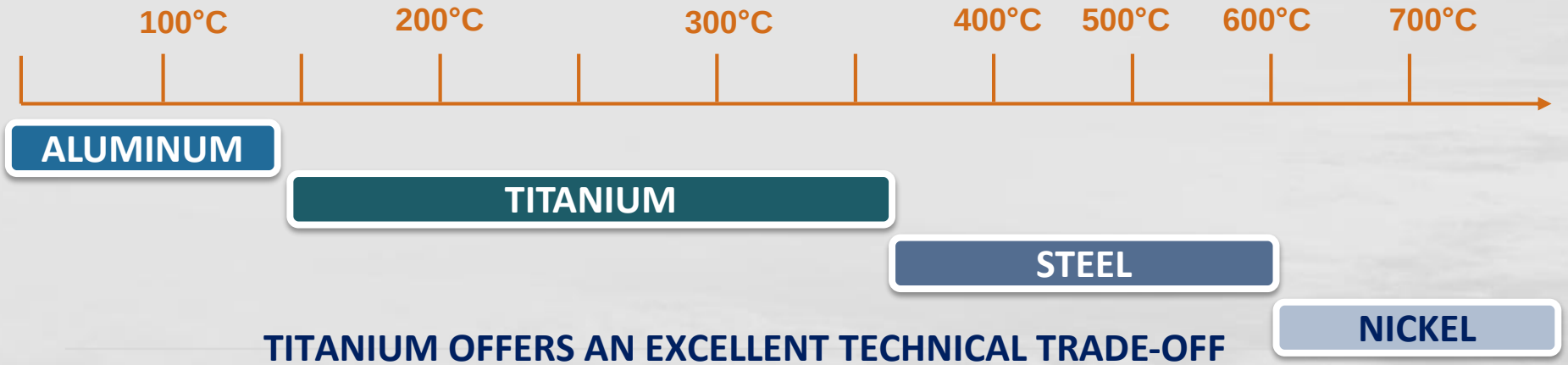
TITANIUM IS A GOOD CHOICE FOR SPECIFIC STRUCTURAL APPLICATIONS

Titanium Performance

- Structural Efficiency:

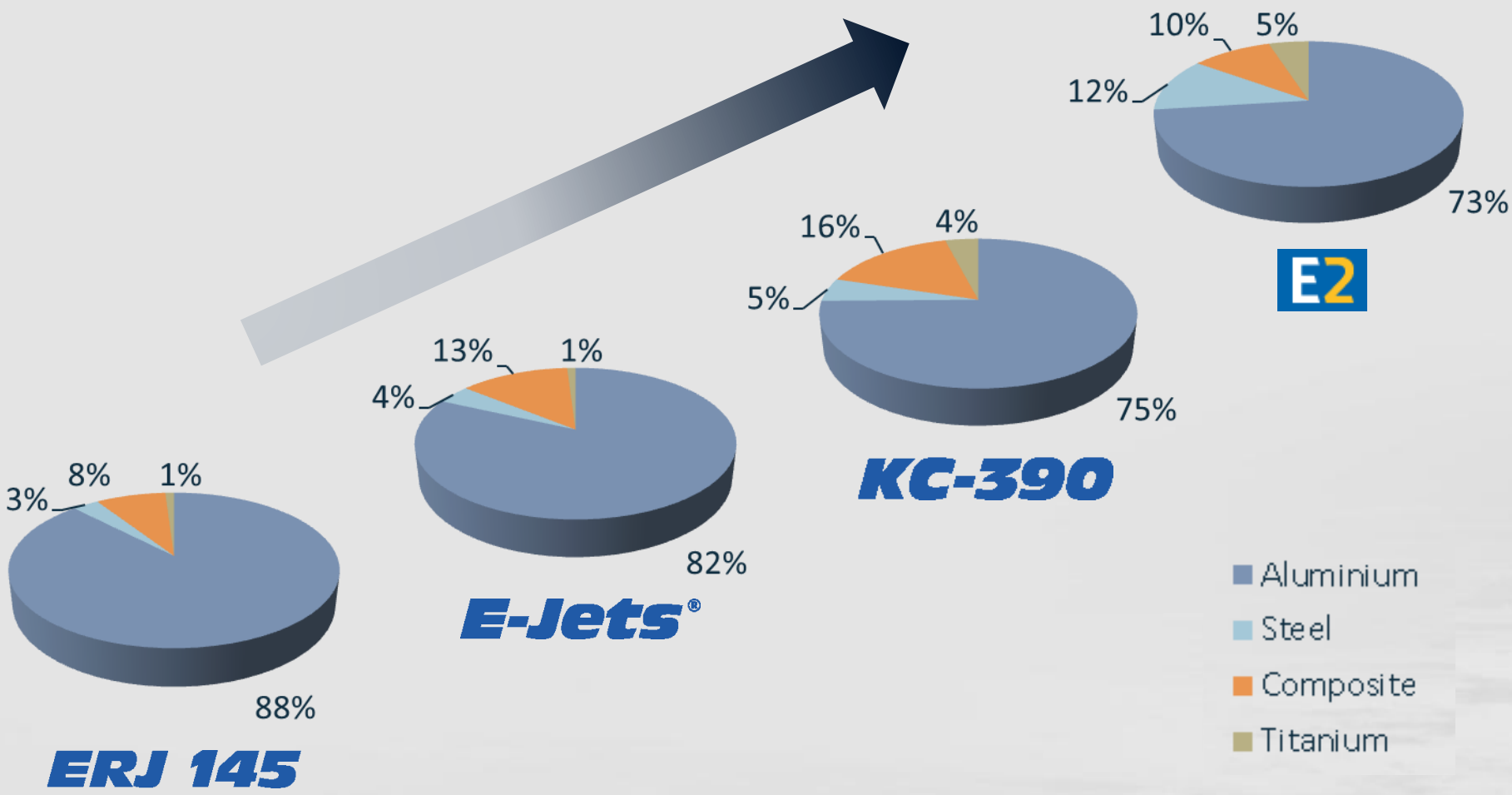


- High Temperature Application:



TITANIUM OFFERS AN EXCELLENT TECHNICAL TRADE-OFF

Evolution of Ti Usage in Embraer Programs



Ti AND COMPOSITES APPLICATIONS TEND TO INCREASE IN NEW PROGRAMS

E-Jets E2

Wing

Spar, Rib, Caps

Fasteners: Stringers/Skins/Ribs/Spars joints

- High strength
- Weight reduction
- Environmental compliance

Floor & Doors

Tracks, Stop Doors, Shafts

- Corrosion resistance improvement
- High strength
- Weight reduction

Tail Cone

Fire wall

- Weight reduction
- High temperature resistance

Landing Gear

Trailing Arm

- Corrosion resistance improvement
- Weight reduction

Pylon

Frames, Fittings, Spars, Skins, Links

- High specific strength
- High temperature resistance

KC-390

Wing

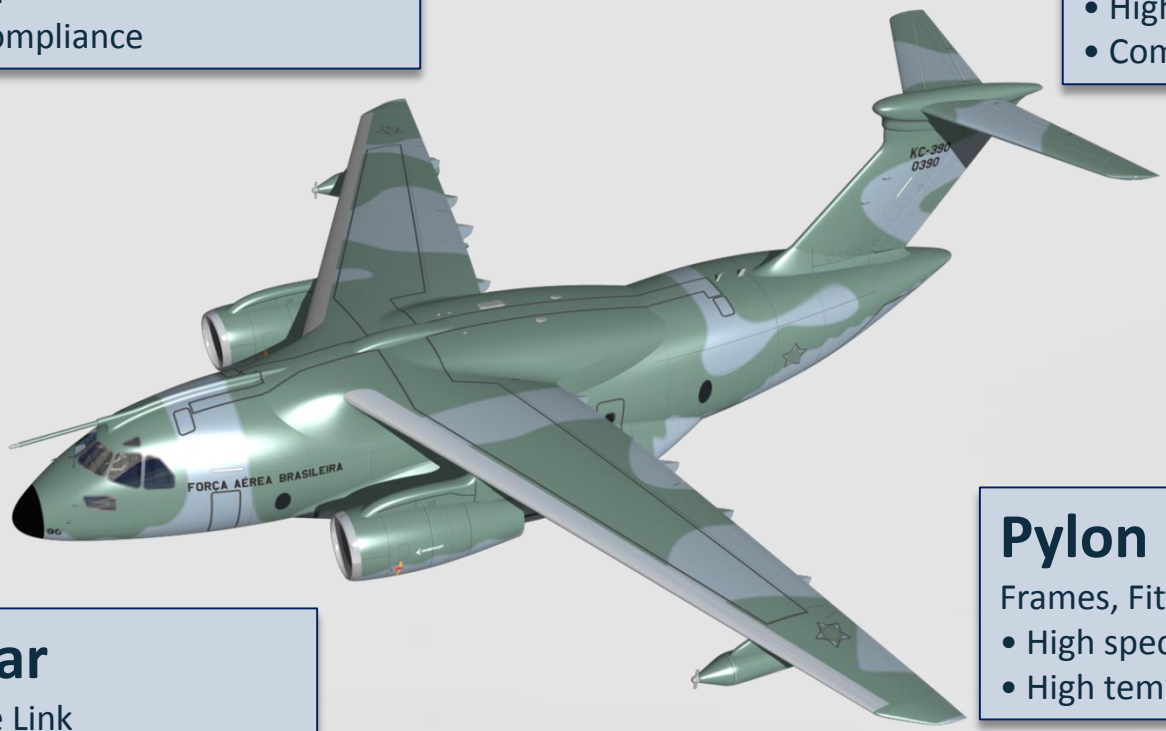
Fasteners: Stringers/Skins/Ribs/Spars joints

- High strength
- Weight reduction
- Environmental compliance

Empennage

Spars, Ribs, Fittings

- High specific strength
- Composites compatibility



Pylon

Frames, Fittings, Pre Cooler Box

- High specific strength
- High temperature resistance

Landing Gear

Trailing Arm, Torque Link

- Corrosion resistance improvement
- Weight reduction

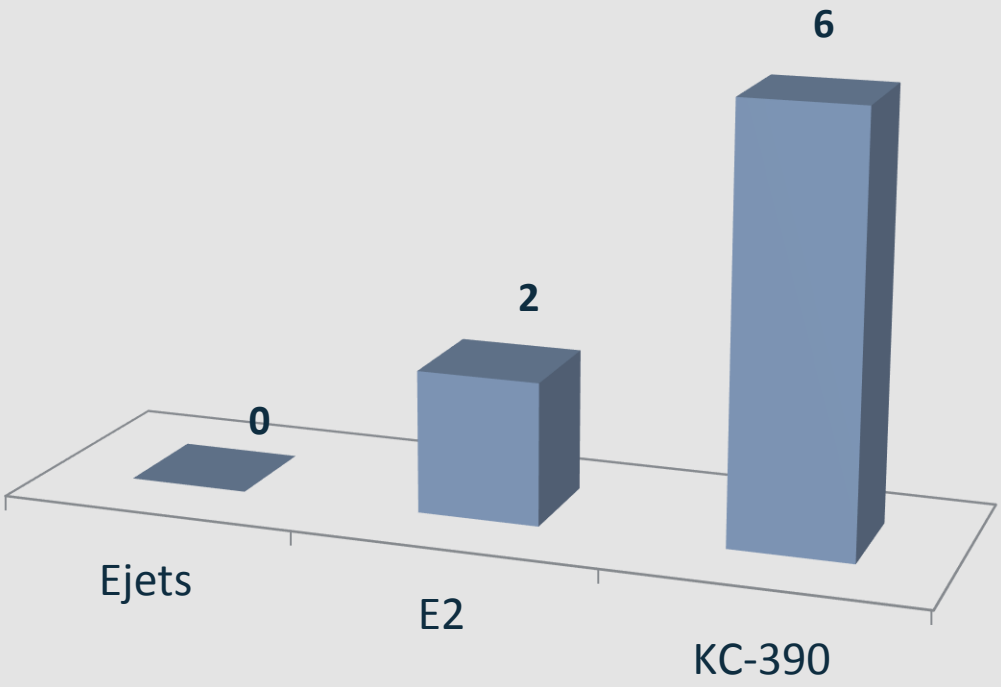
Fuselage

Main Brace, Hop Damper

- High strength
- Weight reduction

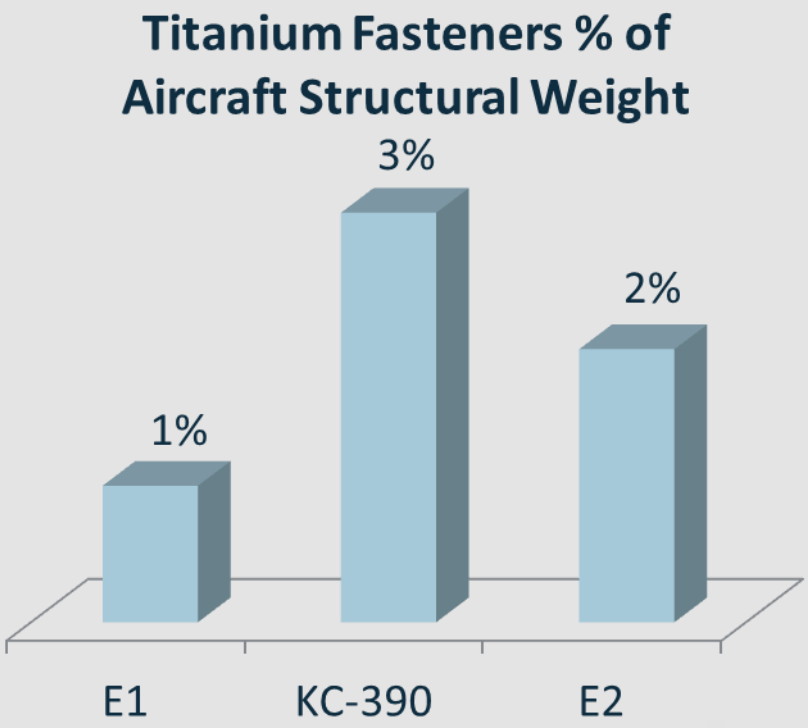
Landing Gear Ti Evolution

Titanium Structural Parts



TI6AL4V REPLACES 300M STEEL

Titanium Fasteners



PIN AND COLLAR

STANDARD BOLT

BLIND BOLT

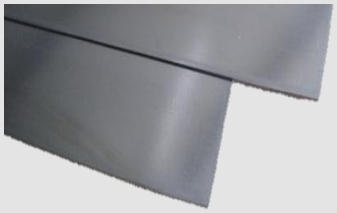
Fasteners

- Weight reduction
- Compatibility with carbon fiber structures
- Environmentally friendly (REACH compliant)

THE USE OF TI FASTENERS HAS INCREASED IN NEW PROGRAMS

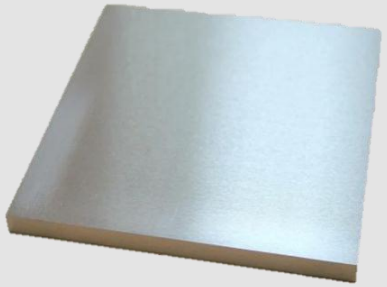
TITANIUM PURCHASING PROFILE

Embraer Titanium Purchasing Profile ($)



SHEETS

3%



PLATES/BARS

19%

41%

FASTENERS

FORGINGS

36%

1%

TUBES

Embraer Ti Projected Demand Increase – All Programs

Ti DEMAND HAS A POSITIVE TREND, ALIGNED WITH THE MARKET FORECAST

FUTURE PERSPECTIVES

Research and Development

More than **5,900** people dedicated to Research and Development

Nearly **US$ 277 million** invested in R&D in 2014 (4.4 % of revenue)

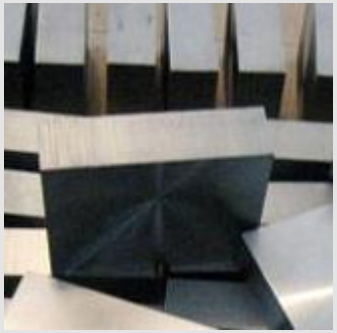
46% of net income derives from innovations implemented between 2010 and 2014

271 international patents applied for between 2010 and 2014

FINEP innovation prize

Innova program
Fostering innovations and making them viable

Consolidated Technology: Near-net Shape Castings

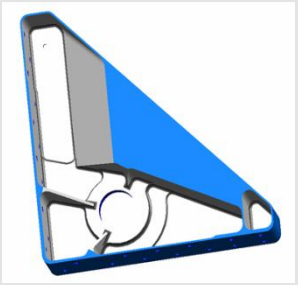


14kg
Ti Raw Material

+

40 HOURS
machining

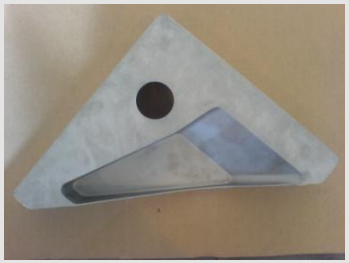
=



Final Part
(1.5kg)

+

12.5kg
Ti Scrap



2kg
Ti AS-CAST

+

30 MINUTES
machining

=

Final Part
(1.5kg)

+

Minimum Ti Scrap

BUY-TO-FLY REDUCED BY A FACTOR OF NINE, LEADING TO A MORE COMPETITIVE TI COST

Next Generation Technology: Additive Manufacturing

Conventional Milling (Subtractive)

Laser Additive Manufacturing

Manufacturing Process	Buy-to-Fly
Conventional Milling	16.0
Laser Additive Manufacturing	1.5

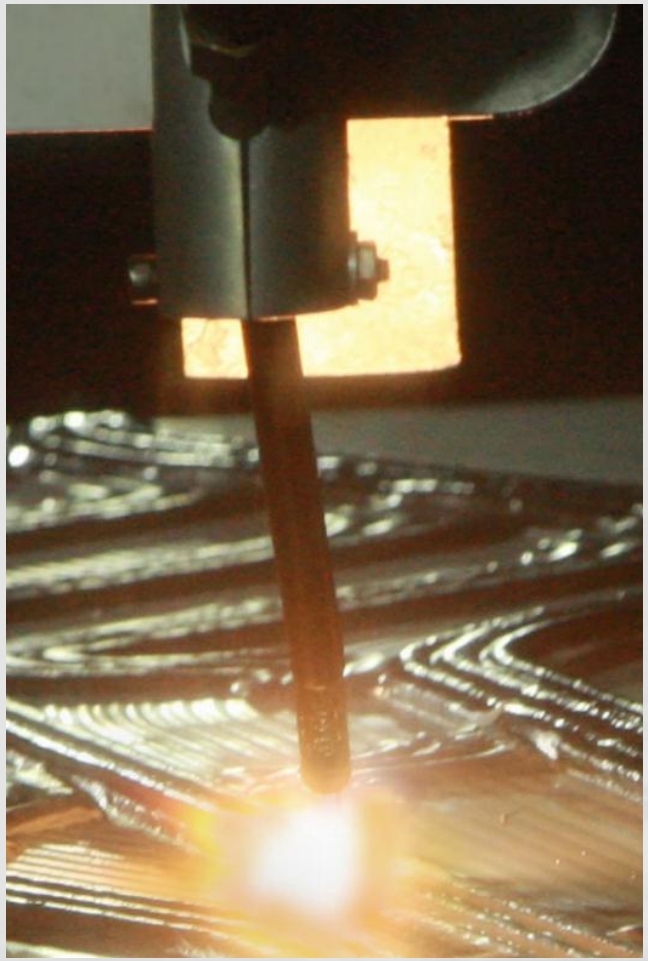
BUY-TO-FLY REDUCED BY A FACTOR OF TEN, LEADING TO A MORE COMPETITIVE TI COST

CONCLUSION

Conclusion

Titanium has become the material of choice for numerous aerospace applications

However, new manufacturing processes are essential to enhance Ti cost competitiveness



EMBRAER