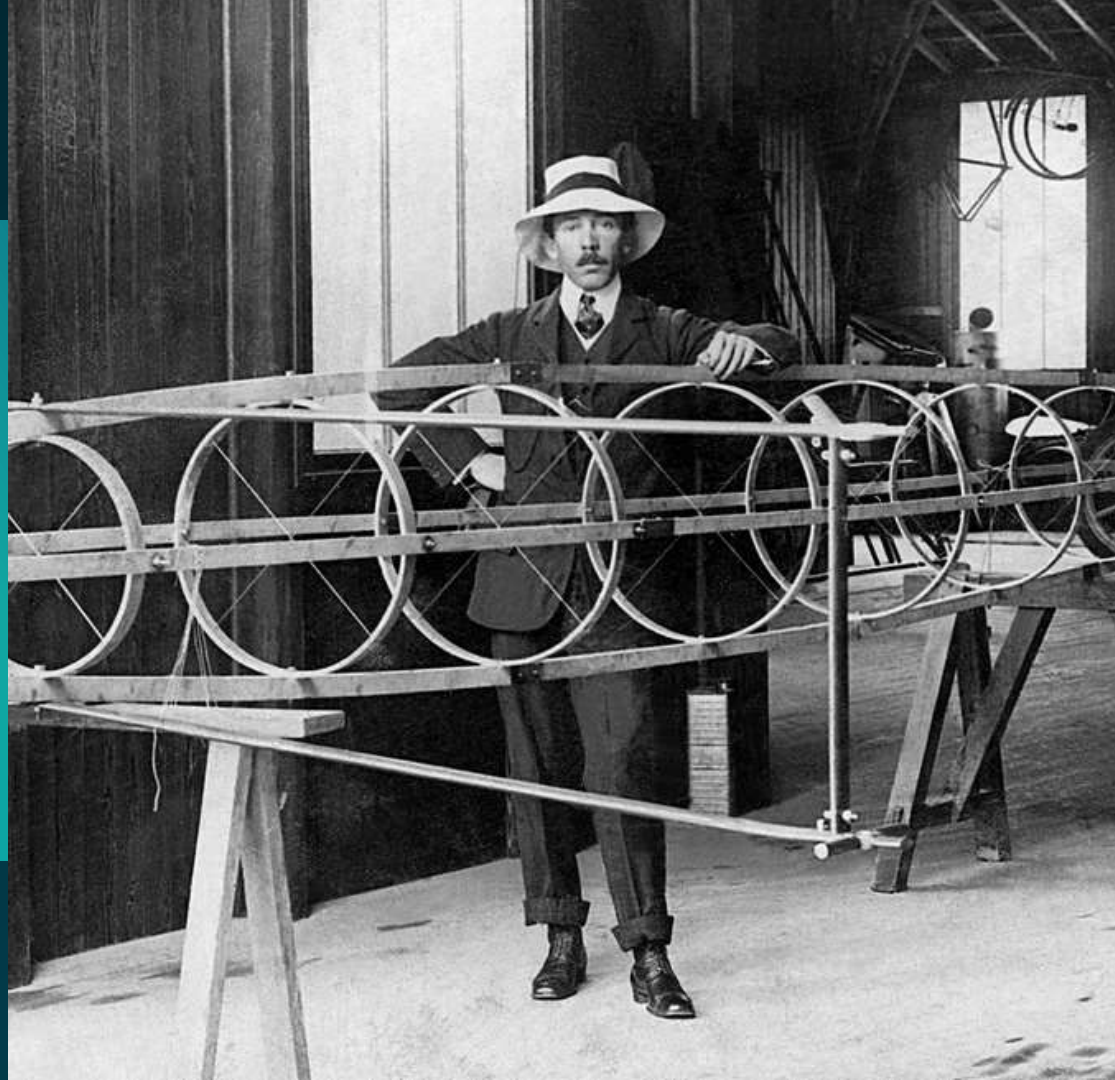


aviation. CHALLENGES

The long way building the competitiveness of the aeronautical industry in Brazil



Humberto Pereira



Aviation industry
BRAZIL

TECHNOLOGY

INDUSTRY

BUSINESS

the PIONEERS. of aviation in Brazil

1899



America
Santos Dumont

1901



Dirigible
Santos Dumont

1906



14 BIS
Santos Dumont

1909



Demoiselle
Santos Dumont

SANTOS DUMONT



the PIONEERS.

of aviation in Brazil

1942



Paulistinha
CAP

1946



T-6
Lagoa Santa

1952



Beija-Flor
CTA/IPD

1965

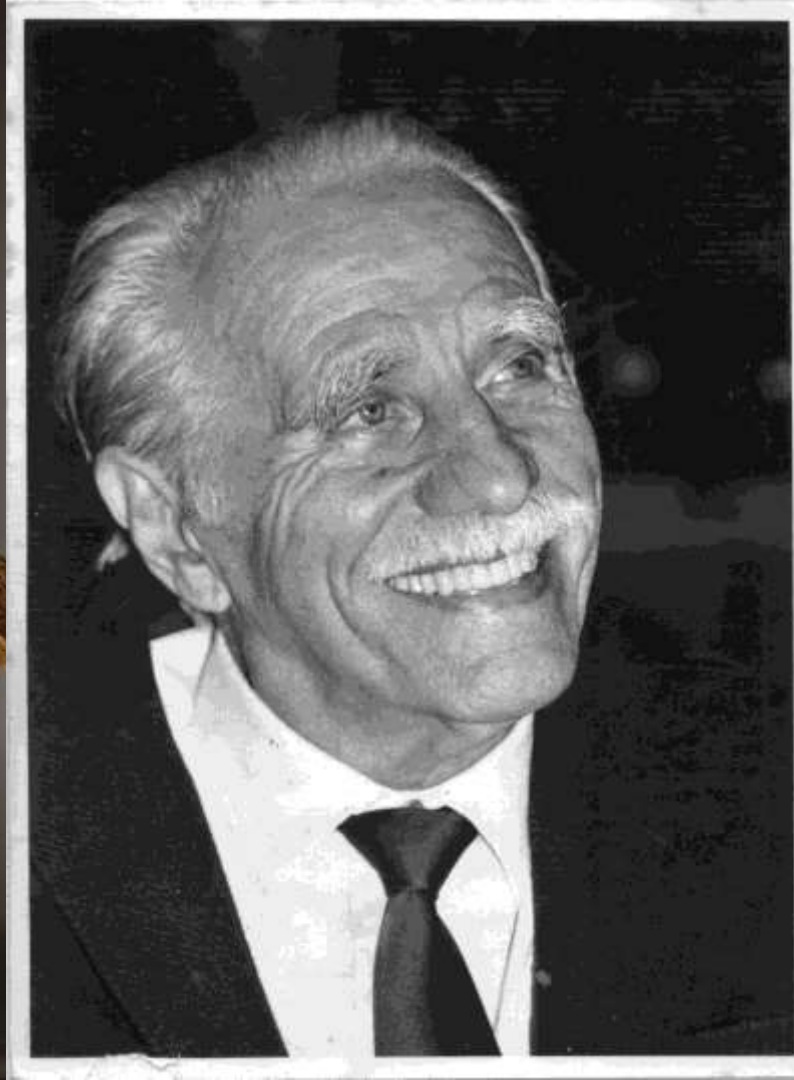


T-23 Uirapuru
Aerotec

1966



T-25 Universal
Neiva



1949



Brig. Casimiro Montenegro,
Model Wind Tunnel

CTA

Aerospace Technical
Center

1950



Engineering class – ITA,
decade 1950

ITA

Aeronautics Institute of
Technology

1954

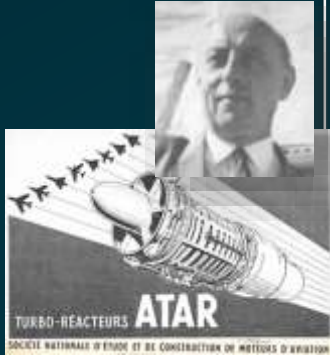


Wind Tunnel, IPD, CTA

IPD (IAE)

Research and
Development Institute

1949



Prof. Vandaele
Belgian Aviation Engineer

ATAR (SNECMA)

French Motors
Manufacturer

1949



Eng. Joseph Kovacs
Engineer and Hungarian Pilot

T-25 Universal

Military trainer (NEIVA)

1952



Dr. Henrich Focke
German Engineer and Industrial

Focke-Wulf FW 61

Functional helicopter

1952



Eng. Max Holste
French Engineer and Industrial

MH-1521 Broussard

Military observation plane

TECHNOLOGY

INDUSTRY

BUSINESS



1969

EMBRAER
Foundation



the
NEW INDUSTRIAL
BASE



Legacy 500



Bandeirante

1968/9



EMB-100
Bandeirante

1972



EMB-110
Bandeirante

1973



EMB-200
Ipanema

1974



EMB-810
Seneca

1976



EMB-121
Xingu

1977



EMB-111
Bandeirante
Patrulha



EMB-326
Xavante



EMB-201
Ipanema

timeline

EMB-312
Tucano



1980

EMB-120
Brasília



1983

AMX



1985

CBA-123
Vector



1990

EMB-202
Ipanema



1999

World

ECONOMIC
RECESSION

Aviation

INVESTMENT
REDUCTION

Embraer

FINANCIAL
CRISIS



Industry

BANKRUPTCY
& MERGERS



1994

PRIVATIZATION



TECHNOLOGY

INDUSTRY

BUSINESS

FAMILY

ERJ-145



timeline

1996



ERJ-145
Commercial

1998



ERJ-135
Commercial

1999



EMB-145 MP
Defense



EMB-314
Super Tucano
Defense



EMB-145 Multi Intel
Defense



EMB-145 AEWC
Defense

2000



ERJ-140
Commercial

2001



ERJ-145 XR
Embraer



Legacy 650
Embraer

timeline

2002



E-170
Commercial

2003



E-175
Commercial



E-195
Commercial

2004



E-190
Commercial

2007



Lineage 1000
Executive



Phenom 100
Executive

2008



Phenom 300
Executive

2012



Legacy 500
Executive

2013



Legacy 450
Executive

2018



KC-390
Defense



E2
Commercial

GLOBAL PRESENCE



COMMERCIAL AVIATION



100+

AIRLINES

60+

COUNTRIES

1.7+

AIRCRAFT IN
OPERATION

EXECUTIVE AVIATION



70+

COUNTRIES

1000+

JETS DELIVERED

DEFENSE AND SECURITY



50+

COUNTRIES

R&T

GLOBAL COLLABORATION







CHALLENGES

How will
they travel
around

IMAGE: Humberto Pereira



Or
not





Highly Populated



Accelerated



2018.00
1987.22 ▼

100%

347.7

TIME
...
...
...

Unpredictable

MUNDO



Limited



Bento XVI (2005)

Fotografias: Luca Bruno | michael sohn



Francisco (2013)

Connected

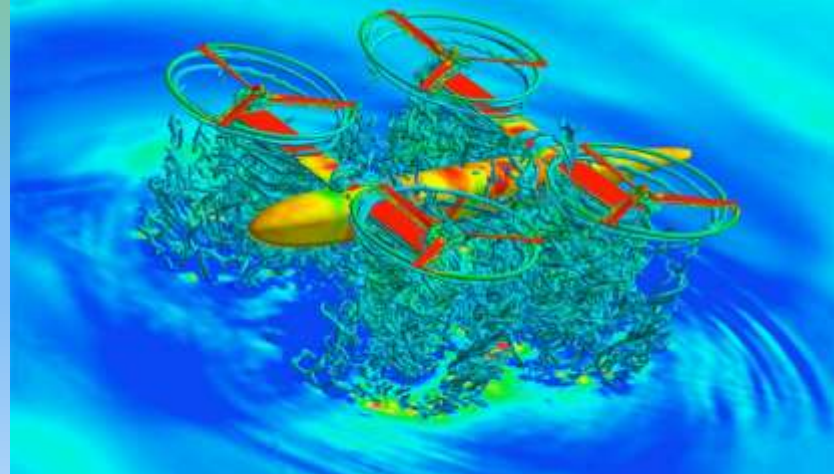
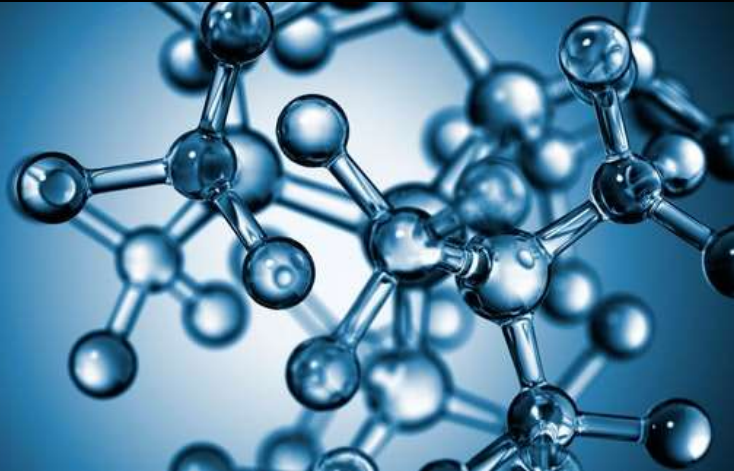


Insecure



Sustainable

Technologies



Quiet And Efficient . . .



Or Bring The Sky Down

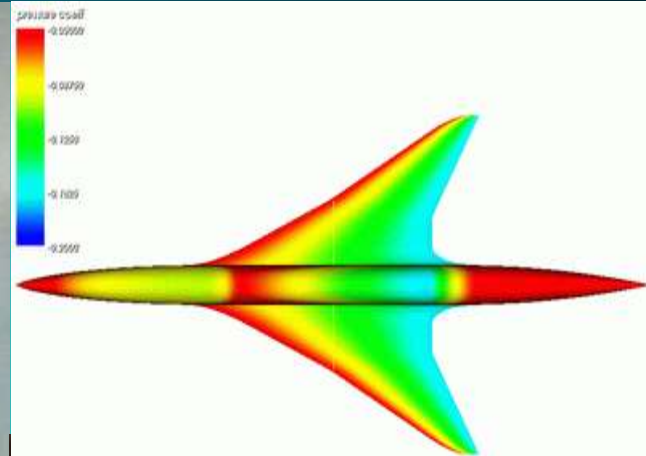


So Smart That Anyone Can Fly It



Can We Make It Affordable?

Concorde



Simple, Safe And Affordable To Be An Answer To Urban Transportation?

Embraer X eVTOL



artificial intelligence



traffic jam



Thank You



Humberto Pereira