



Airship do Brasil

Manned airship

ADB 3-3

Airship do Brasil



- First manned Airship built in Brazil
- Finalist of National Innovation Award 2016-2017



○ Company:

- ✓ Aeronautical Industry that belongs to the the **BERTOLINI ENTERPRISES**
- ✓ Headquartered in São Carlos (state of São Paulo), with an office also in Brasília (DF)

○ Objectives:

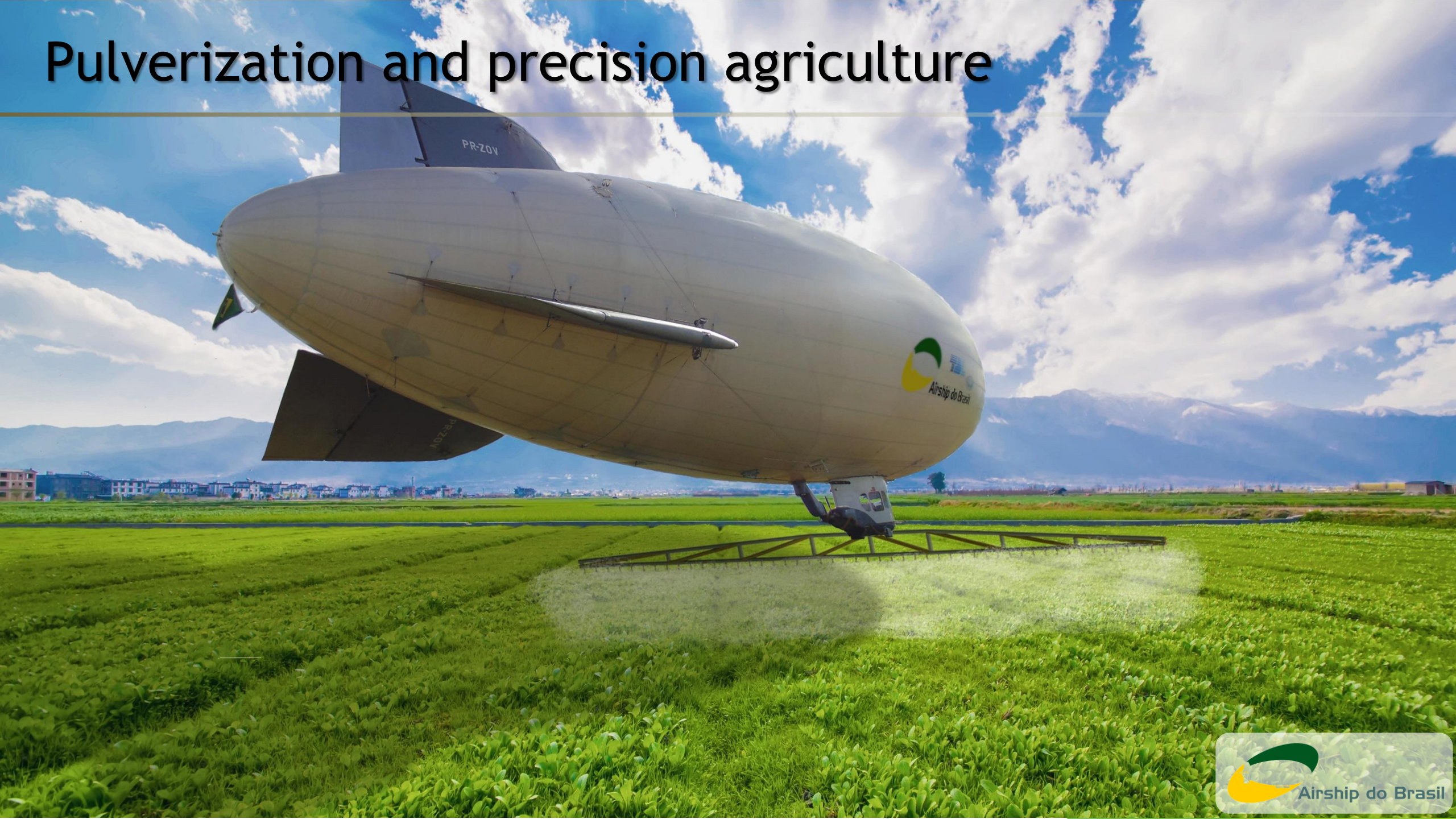
To develop, manufacture, commercialize and operate Lighter than Airs (LTA) aircrafts



Applications

- Advertising
- Aerial Geophysics and Data Collection
- Surveillance
- Pulverization
- Inspection of Electric, Gas and Oil Lines
- Flightseeing

Pulverization and precision agriculture



Public security



Surveillance and border control



Advertising and flightseeing



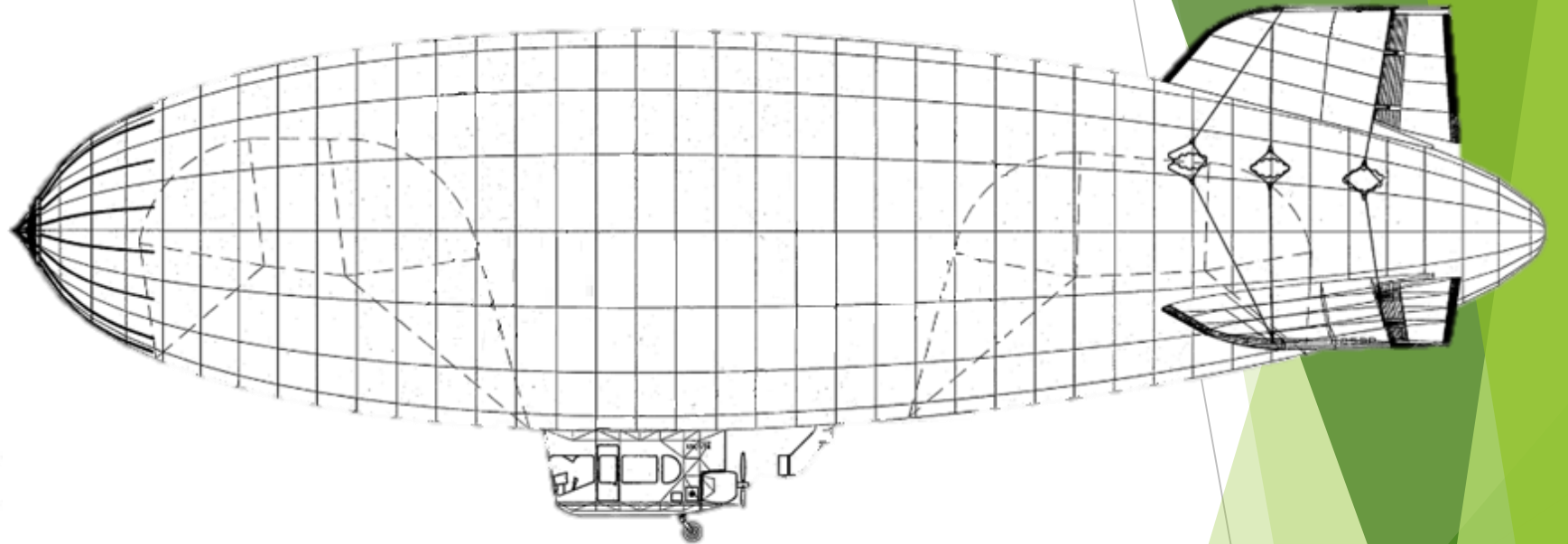
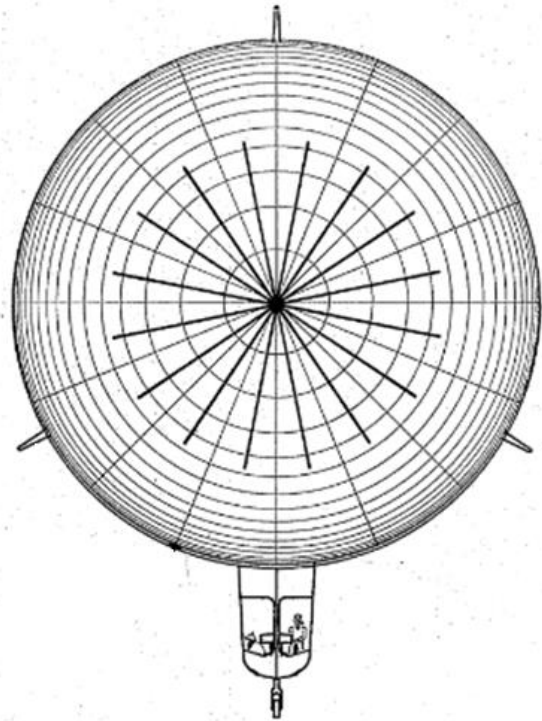
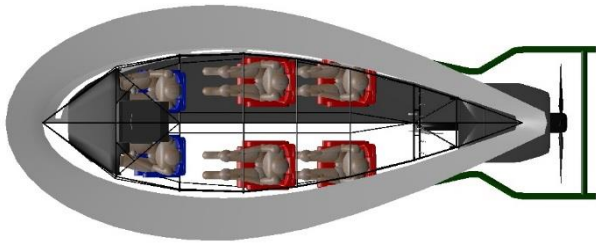
Aerial Geophysics



Inspection of Electric Lines



Características



Length: 160,1 ft. (48,8 m)
Width: 41,7 ft. (12,7 m)
Height: 56,8 ft. (17,3 m)
Helium volume: 138,000 ft³ (3908 m³)
Maximum weight: 9288 lbs (4213 kg);
Empty weight: 5893 lbs (2673 kg);
Payload at sea level: 1 tonne
Maximum in-flight weight variation: 661,4 lbs (300 kg)
Place for 1 pilot e 5 passengers

Landing area



Simplified infrastructure
Landing area: Ø985 ft
Mooring area: Ø330 ft

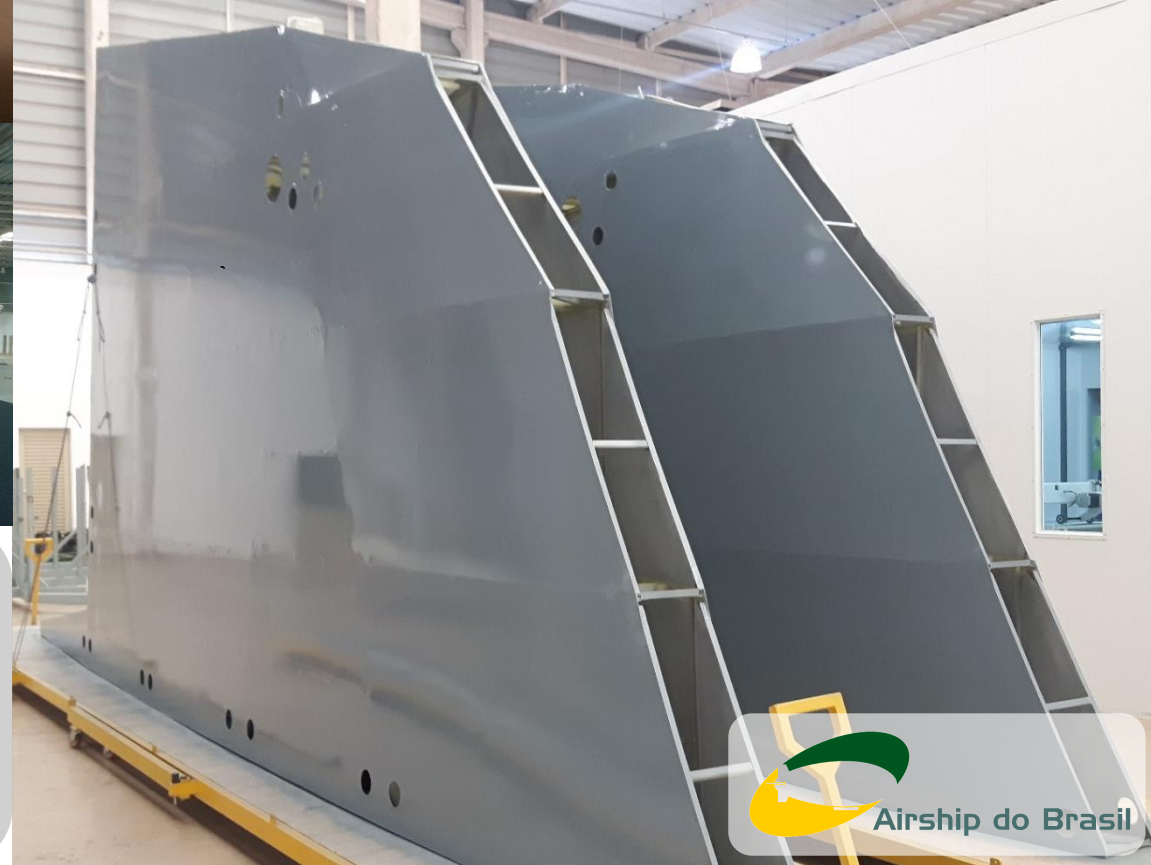


Operation

Service ceiling: 9.000 ft
Power: 300HP
Speed: 37 knots (70 km/h)
Fuel: Aviation gasoline
Consumption: 60 L/h
Tank: 400 L



Materials



- Polyester envelope with polyurethane coating
- Steel truss gondola covered by fiberglass
- Aluminum fins and ruddervators
- Top technology avionics

Flight



- Allows slow and steady flight;
- Great stability;
- Fast and easy landing and take off assisted by Ground Crew.



Pilot

Prerequisite:

- Licensed Comercial Pilot
- Attend the Airship Piloting Habilitation Course

Course:

- 3 months
- 60 flight hours

Airship do Brasil Indústria e Serviços Aéreos Especializados S.A.

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