

Manned airship

ADB 3-3

Airship do Brasil



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



Economia & Negócios O ESTADO DE S. PAULO

Dirigível nacional estreia nos ares

66 A brasileira Airship empresa do grupo Bertolini, um dos maiores do ramo de transporte, realizou nesta segunda-feira, 24, em São Carlos (SP) o voo inaugural do primeiro dirigível tripulado fabricado na América Latina.



Company: Ο

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✓ Aeronautical Industry that belongs to the the **BERTOLINI ENTERPRISES**

San Tan

- ✓ Headquartered in São Carlos (state of São Paulo), with an office also in Brasília (DF)
- **Objectives:** 0

Brasília

São Carlos

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



25 de Julho de 2017

Applications

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

Flightseeing

Pulverization and precision agriculture



Public security

Airship do Brasil



Surveillance and border control



Advertising and flightseeing



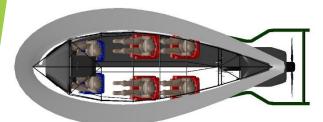


Aerial Geophysics



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

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Airship do Brasil

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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
- Airship do Brasil off assisted by Ground Crew.



Eletrobras

BNDES RD ANEEL

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Prerequisite:

Pilot

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- Licensed Comercial Pilot
- Attend the Airship Piloting Habilitation Course

Course:

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- 3 months
- 60 flight hours

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

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