

[www.brisavoe.com.br](http://www.brisavoe.com.br)

The screenshot shows the homepage of the LTA Portal. The browser's address bar displays "Portal" and "brsavoe.com.br/index-en.html". The page features a background of a wireframe globe. At the top right, there are flags for PT, FR, and EN. The main content area includes three logos: "CLUBE HORIZONTE DE BALONISMO" with a stylized 'H' logo, "BRISA PROMOÇÕES AÉREAS" with a blue and red flag logo, and "DIRIGÍVEL BRASIL" with a green and yellow logo. Below the logos, a red text notice states "Panoramic flights temporarily suspended". The main heading reads "LTA Portal Lighter Than Air". The Windows taskbar at the bottom shows the search bar, system tray with weather (20°C, Panc. de chuva), and date (31/12/2021).

The screenshot shows the "Airship Brazil" website. The browser's address bar displays "Airship Brazil" and "brsavoe.com.br/index-DBrazil-en.html". The page has a dark background with a 3D rendering of three airships: "FLYING WIZARD", "ZEPPELIN", and "ThalesAlenia Space". The text "Clube Dirigível BRASIL" is prominently displayed in the center, with the tagline "The most important airship projects today!". Below the text is the "DIRIGÍVEL BRASIL" logo. The top navigation bar includes "ABOUT US", "SENTINELA SOLAR", and "PARTNERSHIPS / DONATIONS". At the top right, there are flags for Home, PT, FR, and EN. The Windows taskbar at the bottom shows the search bar, system tray with weather (23°C, Panc. de chuva), and date (29/12/2021).

Airship Brazil

brisa.vee.com.br/index-DBraasil-en.html


ABOUT US SENTINELA SOLAR PARTNERSHIPS / DONATIONS

## About us – Clube Dirigível BRASIL

A non-profit organization, founded in July 2013, whose mission is to develop airship and hot air balloon technologies.

Its leader and founder is a mechanical engineer graduated at UFMG (Federal University of Minas Gerais) in 1974, who is a hot air balloon pilot with more than 1,000 flight hours. With his experience as a licensed balloonist since 1985 and operation of radio controlled indoor airships have enabled him to reach a series of conclusions, namely:

- In order to mitigate the effects of global warming we need to reduce our fossil fuel consumption thereby reduce the greenhouse effect.
- We need to adapt our equipment envisaging intelligent consumption of renewable energies (solar / wind / hydro / biomass / geothermal / ocean).
- 90% of the energy consumed by airplanes / helicopters is used solely to maintain the aircraft airborne.
- Only 10% of the energy consumed by airplanes / helicopters is used for actual travel through the air.
- The airborne effect of dirigible airships is due to the lower-than-air density of the gas contained in the balloon envelopes, in relation to the air in the environment, consequently airships consume 10% to 20% energy compared to similar airplanes and the lower their speed the lower their consumption tends to be.
- With the generally favorable atmospheric conditions in Brazil, winds rarely exceed 30 km/h, which permits stationary flights with low fuel consumption.
- Our "Sentinela SOLAR" Concept Prototype meets all the aforementioned parameters.



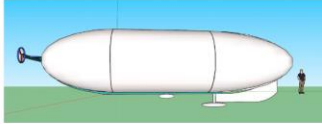
The sketches presented were made at the beginning of the project. Changes already made will be exposed in the future.

23°C Parc de chava 29/12/2021

Airship Brazil

brisa.vee.com.br/index-DBraasil-en.html

ABOUT US SENTINELA SOLAR PARTNERSHIPS / DONATIONS



## Sentinela SOLAR (Solar Sentinel)

Our "Sentinela SOLAR" is a radio controlled semi-rigid airship, inflated with helium gas, featuring brushless electric motors, flexible photovoltaic panels, Li-Ion batteries. Its flight autonomy is over 12 hours duration.

The sketches presented were made at the beginning of the project. Changes already made will be exposed in the future.

### CONCEPT PROTOTYPE

The concept prototype will be ideal for performing inspection of long-distance electrical transmission networks, border surveillance, highways, industrial areas, urban areas and environmental disasters, as well as featuring a SG Platform. It will not consume fossil-based fuel.

### BIGGER MODEL VERSIONS

The operational improvement of this prototype will allow the safe development of larger models for cargo transportation to logistically difficult locations, as well as a special model: "BRASIL + AFRICA", a two-seater airship for crossing the Atlantic consolidating the use of SOLAR energy on both continents!

### WEATHER CONDITIONS IN BRAZIL

Brazil has a generally mild atmosphere, no snow or tornadoes, and winds rarely above 30 km/h, strong solar radiation. It does however have a deficient infrastructure over vast areas, light air traffic.

24°C Chuva fraca 29/12/2021

## Partnerships and DONATIONS

Clube Dirigível BRASIL (Airship Brazil Club) is a non-profit entity, OSC - Civil Society Organization. Brazil is likely to become the biggest user of airships in the world over the next 20 years, due to its mild atmosphere and its deficient infrastructure "logistics gaps", Brasil is in need of national fabricators to fulfill it needs.



Please help us with this task!  
**PLEASE REFERENCE OUR SITE ON YOUR CONTACTS NETWORK, WE ARE IN NEED OF DONATIONS AND PARTNERSHIPS!**  
Our project will be very well regarded by the International Community, because as it not only uses solar energy but more specifically "Green Hydrogen", it is suitable to monitor forests!  
For donations, sign up or contact us for more details. As a donor, you will have transparent access to our sound financial transactions, and progress information concerning our activities!  
Below, we will display the logos of our PARTNERS:

### ABOUT US

Clube Dirigível BRASIL, founded in 2013, is a non-profit organization whose mission is to develop airship and hot air balloon technologies.

### CONTACT

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### LOCATION

