ANNUAL REPORT //2015

It all ads up

$20,000
Annual investment in research

150
Aeronautical engineers across the world

40
Current members

17
Years of success

15
Certificates for *Best Project*

11
National victories

5
International victories

1
Choice: EESC-USP AeroDesign Team

THE MOST **AWARDED** **AERODESIGN** TEAM IN THE **WORLD**

Since 1998, EESC-USP AeroDesign invests in high technology techniques for project and building. During these 17 years, we won 11 national and 5 international competitions around the globe, which consecrated us as the most awarded AeroDesign team in the world. Join us and be part of this story of success!


AERO
ufjf
Starrett
Venturi
CEFET/RJ
CISER
cortex
FAPERJ
34
49
Enerco
CREA-PI

AERODESIGN COMPETITIONS

Destined to students, professors and professionals of aeronautical and mechanical industries, AeroDesign Project is more than just an engineering competition, but the ideal environment to foster the academic development and instigate students to solve real life problems, contributing substantially to their human and professional formation. Currently, AeroDesign Competitions are promoted four times a year by the Society of Automotive Engineers - SAE and EUROAVIA in United States, Brazil and Europe and involves more than 250 teams, which receive the support of leading-edge companies of the global market, such as Boeing, Airbus, Embraer, SAAB, General Electric and Honeywell.

DEVELOP, BUILD AND FLY!

Along 17 years, EESC-USP AeroDesign Team values the superior quality and competitiveness of its aircraft, investing in the training of new members besides modern computer-based simulations and advanced manufacture techniques, consonant with our innovation policy.

Inside one of the best Engineerign Schools of the country, EESC-USP AeroDesign members are motivated to enroll activities related to aeronautical and computational fields, where they are able to reach high technical and scientific knowledge level.

Meeting 3 times a week to discuss technical, administrative and management issues, the Team can check the progress of each aircraft design and define

East - 2014

Bravo - 2014

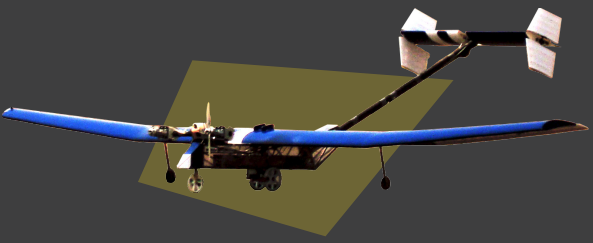
Alpha- 2014

Mike - 2014

reponsabilities for the settlement of financial and bureaucratic problems.
A broad database allied to the permanent qualification of our members allow us to compete in two distinct classes in 2015:

Micro: It started in Brazil in 2009 and since then the Team was champion for three times. This class is characterized by its electric and light weight aircraft;
Regular: Since its first edition in 1999, more than 50 universities participate in this class, which main challenge is the dimensional limitation, allowing larger airplanes than the ***Micro*** ones.

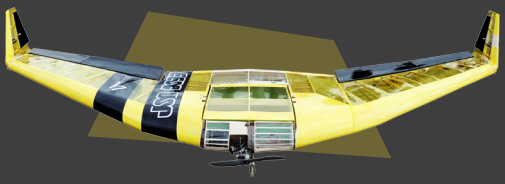
This constant improvement of the members yields disruptive models, which may have its viability increased with the support of private companies. Moreover, part of the investment funds Team participation in international competitions, which are an unprecedent source of learning for the students and dissemination for those who support us.



Charlie - 2011

Mike - 2013

Alpha - 2013



Alpha - 2012

São Carlos

School of Engineering

Located in São Carlos, the University of São Paulo (USP) at São Carlos School of Engineering (EESC) has contributed to human and educational formation of their students for over 60 years. Offering more than 20 Undergraduate and Graduate Programs in Engineering, EESC-USP became a national reference in teaching and researching, with application and dissemination of science, technology and culture. Also aware of new global paradigms, has established actions of internationalization, with the completion of agreements with foreign institutions and implementing mobility plans.

CHAMPIONS FACTORY

Focused on training professionals able to work in the design and development of aircraft for over 30 years, the University of São Paulo at São Carlos is one of the main responsibles to insert aeronautical engineers in the labour market.
With great availability of extracurricular activities and one of the most advanced laboratories in the country for Experimental and Computational Aerodynamics, Finite Elements and Maintenance and Aircraft Design, the course in Aeronautical Engineering provides the student the opportunity to develop unique high-level practical and theoretical activities.

STORIES OF **SUCCESS**

Renato Martella
Intern at Airbus Group

Only EESC-USP AeroDesign allows us to put in practice what we see in the classroom. It's an engaging environment, essential to the personal and professional formation of any engineer.

Alexandre Cruz
Flight Test Engineer at Embraer

Participating of an extracurricular activity, such as AeroDesign, is a huge differential for those who want to compete for a place in the labour market.

THEY **BELIEVE** IN OUR **DREAMS**

AIRBUS GROUP

3M

Precision Scorpion Performance

EESC - USP
Escola de Engenharia de São Carlos
Universidade de São Paulo

Flademir Aeromodelismo

xmobots

ALLTEC
Materiais Compostos

FG

Starrett

Santa Eliza eco resort

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