



SkyBox Engineering Ltd. is a SME, Spin-Off Company of the University of Pisa, that carries out industrial researches and advisory activities, particularly in aerospace and in the configurations of innovative aircraft. The business organization consists of a Direction unit composed of 3 directors which directly control and manage the activities of the others 3 company business unit:

- Research and Development unit;
- Technical Advisor unit;
- Administrative unit.



Company name: SKYBOX ENGINEERING S.R.L.

Location: PISA (PI), Via San Biagio 49, 56124

Fiscal and VAT code: 01938540505

Established: Since 2009

Legal form: LIMITED LIABILITY COMPANY (LLC, SRL)

Internet site: <http://www.skyboxeng.com/>

NACE Code: 71.12

Sector: AVIATION AND AEROSPACE ENGINEERING

Spinoff: Università di Pisa

PMI, Requirements for technological innovation: Qualified team and IP

Turnover
Value
250 K

Subscribe
Capital
10,2 K

NO
Female,
Foreign or
Young
Predominance

The founders of SkyBox Engineering is a group of researchers of the Aerospace Engineering Department of Pisa University. They have a common background on the design of box-wing aircraft, known as PrandtlPlane.

The business organization consists of a Direction unit composed of 3 directors which directly control and manage the activities of the other 3 company business units: Research and Development unit, Technical Advisor unit, Administrative unit.

The Research and Development unit mainly focuses on research projects funded by external bodies, as well as internal research activities in the development of innovative products and services, patents and scientific publications.

The Technical Advisory Unit manages and executes contract research projects for industry customers, not just the aeronautical industry. The main activities concern:

- Structural analysis: linear and nonlinear static analysis, dynamic and modal analyses, rotographic and thermal analysis, fatigue design of metal components, analysis of fracture mechanics, composite structure analysis;
- Aerodynamic Analysis: Subsonic and Supersonic Flows, Stationary and Non-Stationary Regimes, Thermal Effects, Multiphase Fluids, Performance Analysis, Aerodynamic Optimization, Using In-house and Commercial Codes;
- Support in experimental activities and design testing: Static and fatigue testing, Wind tunnel testing, Naval test, Flight tests.

The Administrative unit, composed of a person exclusively dedicated to this purpose and a member of the directorate, supports in a constant manner the technical activities and, in addition to the administrative tasks, deals with management support in the definition of strategies, in research and in the consolidation of partnership in the analysis of funding opportunities and incentives for research and development in the promotion/participation in marketing initiatives and networking, as well as in research training opportunities and growth of the company staff.



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skyboxengineering@pec.it

CORE COMPETENCIES AND COMPANY PROFILE



- CAD/CAE design
- Aerodynamic analysis
- Flight Mechanics analysis
- Structure design
- Non conventional aircraft
- Photovoltaic systems and
- wind turbine
- Propeller performance
- UAV design

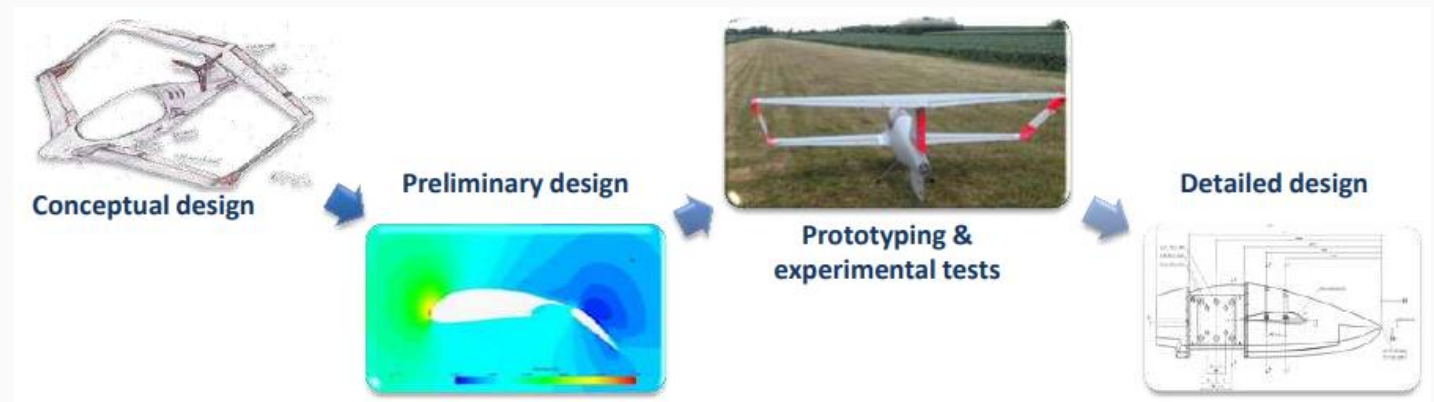
2009. Foundation

2010. Ranking 3th at “Premio Vespucci per l’innovazione”

2011. Partner of the IDINTOS project together with the University of Pisa

2012. Founder of “Zefiro Ricerca & innovazione”

2012. SkyBox registered as Spin-off company



LIST OF PRIVATIVE RIGHTS ON INDUSTRIAL, INTELLECTUAL PROPERTY

Title: **BALL JOINT FOLDING SYSTEM FOR WINGS DI LIGHT AIRCRAFT**

Ownership: SKYBOX ENGINEERING SRL

Inventor: Vittorio Onion, Frediani Aldo, Rizzo Emanuele

Application number: FI2011A000074

Italian Patent No. 0001405149

Filing date: April 15, 2011

Title: **IMPROVED STRUCTURE OF AIRCRAFT CART**

Ownership: UNIVERSITY OF PISA/TUSCANY REGION

Inventor: Vittorio Onion, Frediani Aldo, Oliviero Fabrizio, Rizzo Emanuele, Romagnoli Mauro.

Italian Patent No.102015000055523

Application number: PI2013A000014

Filing date: March 5, 2011

Title: **CONVERTIBLE TO DOUBLE MOBILE WING**

Ownership: SKYBOX ENGINEERING SRL

Italian Patent No. 0001428819, 2017

Title: **TILTROTOR WITH DOUBLE MOBILE WING**

Ownership: SKYBOX ENGINEERING SRL

International Patent No. WO 2016135697, 2016

[FOR FURTHER INFORMATION](#)

INTERESTS, SALES CHANNELS AND MARKET GEOGRAPHIC AREA OF INTEREST

INTERESTS

Customers	Lender / Investor	Partner university	Business partners	Technical support figures
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

SALE CHANNELS

Directly	Large-scale retail channel	E-commerce	Agents
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MARKET

GEOGRAPHIC AREA OF INTEREST



Italy
CAMPANIA
EMILIA-ROMAGNA
LOMBARDIA
PIEMONTE
TOSCANA



Abroad
European Union
other European countries