

LAMA EUROPE

Statistics

2010

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LAMA EUROPE

Light Aircraft Manufacturers Association Europe

The aims of association are:

- Promote and protect the interests of its members, and sports and recreational aviation as a whole.
- Introduction of the LSA (Light Sport Aircraft) category in Europe using ASTM standards
- Cooperation with European Institutions (European Parliament, European Council, European Commission, EASA - European Aviation Safety Agency and the respective institutions of European countries to the creation of legislative norms taking into account the needs and interests of sport and recreational aviation.
- Promotion of sports and recreational aviation in the public, particularly its safety, economy and social benefits

www.lamaeurope.com



LAMA EUROPE

The aims of association are:

- Providing assistance and information to members on all matters relating to the manufacture of aircraft for sport and recreational aviation.
- International exchange of experiences and information and cooperation with national sports and recreational aviation organizations in other countries.

Membership:

- Any physical person who is the owner or co-owner of the company or holds the position in the management of a legal entity who designs, constructs and manufactures aircraft for sport and recreational flying and their parts as well as service, repair and maintenance facilities for light sport airplanes.
- National association of manufacturers of sports and recreational aviation.

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European Light Aviation Industry

- more than 5 000 employes*
- Annual production up to 1600 airplanes, 2000 propellers and 1000 rescue systems*
- **Approximate Annual Turnover 170 milions €***
- Most of the manufacturers are private and employ up to 25 people.
- main players are currently employing some 50 – 350 workers and have yearly turnovers of 3,5 milions € to 20 milions €.

* Estimation

Data based on personal research and only UL and LSA manufacturers are considered

European Light Aviation Industry

3-axis controlled Microlight & LSA numbers

	2006	2008	2010
Number of manufacturers	103	127	133
Number of Types	141	180	183
Number of produced UL&LSA	1 600	1 400*	1600*

* Estimation

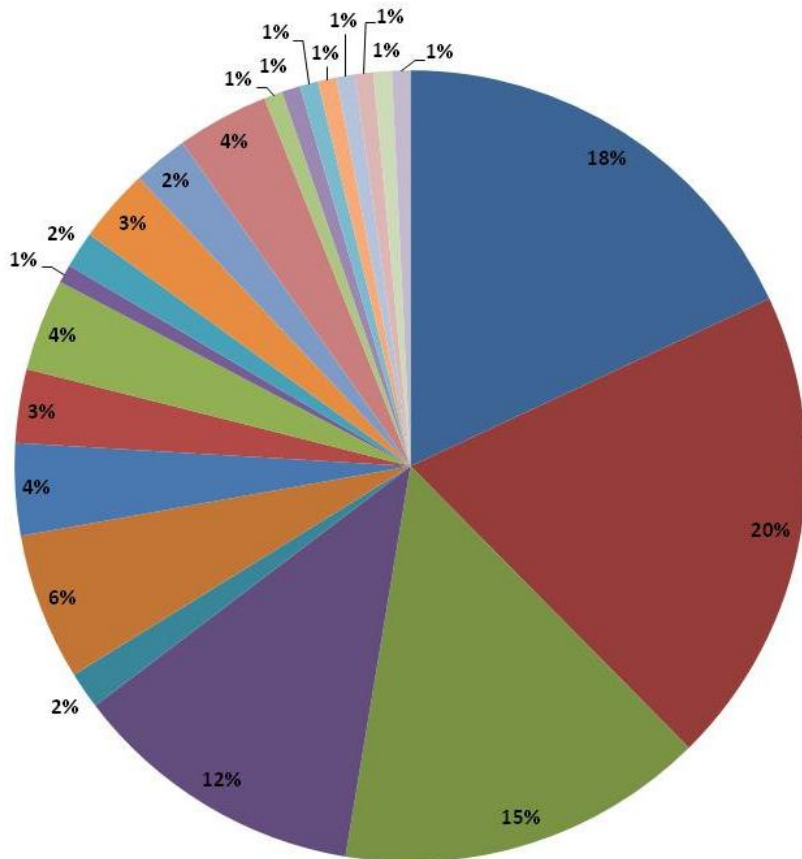
Data based on Leisure Aviation Directory and personal research

European Light Aviation Industry



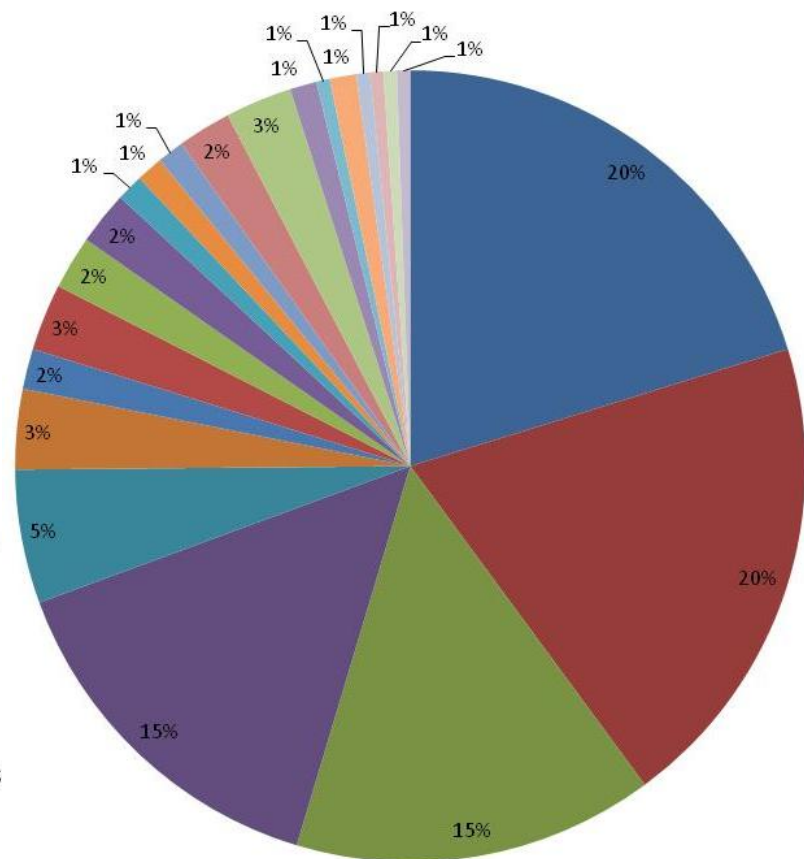
3-axis controlled Microlight & LSA numbers

2010 Number of Manufacturers per Country



2010 Number of Types per Country

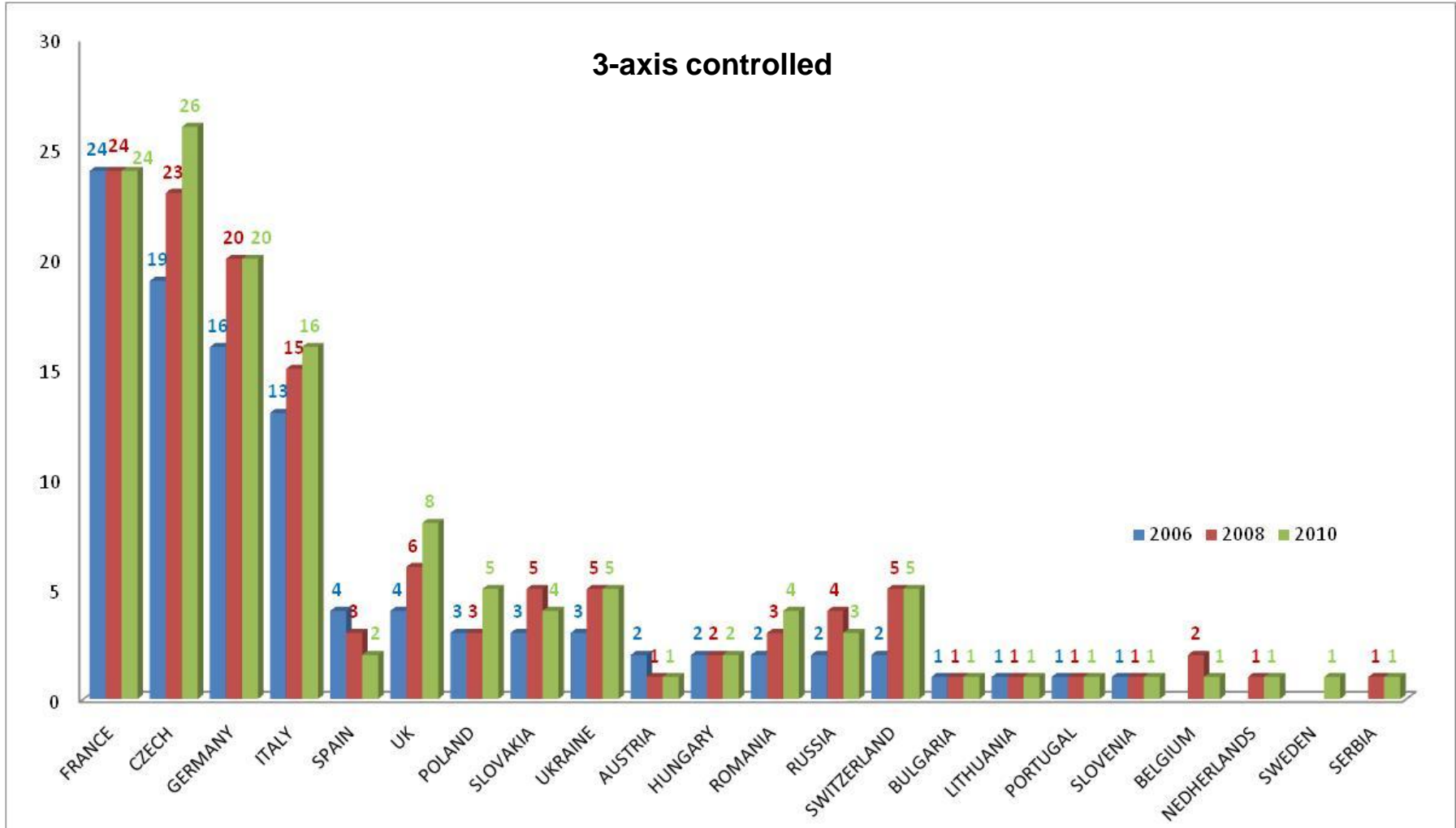
- FRANCE
- CZECH
- GERMANY
- ITALY
- SPAIN
- UK
- POLAND
- SLOVAKIA
- UKRAINE
- AUSTRIA
- HUNGARY
- ROMANIA
- RUSSIA
- SWITZERLAND
- BULGARIA
- LITHUANIA
- PORTUGAL
- SLOVENIA
- BELGIUM
- NEDHERLANDS
- SWEDEN
- SERBIA



Data based on Leisure Aviation Directory and personal research

European Light Aviation Industry

Number of European Microlight & LSA manufacturers by country & year

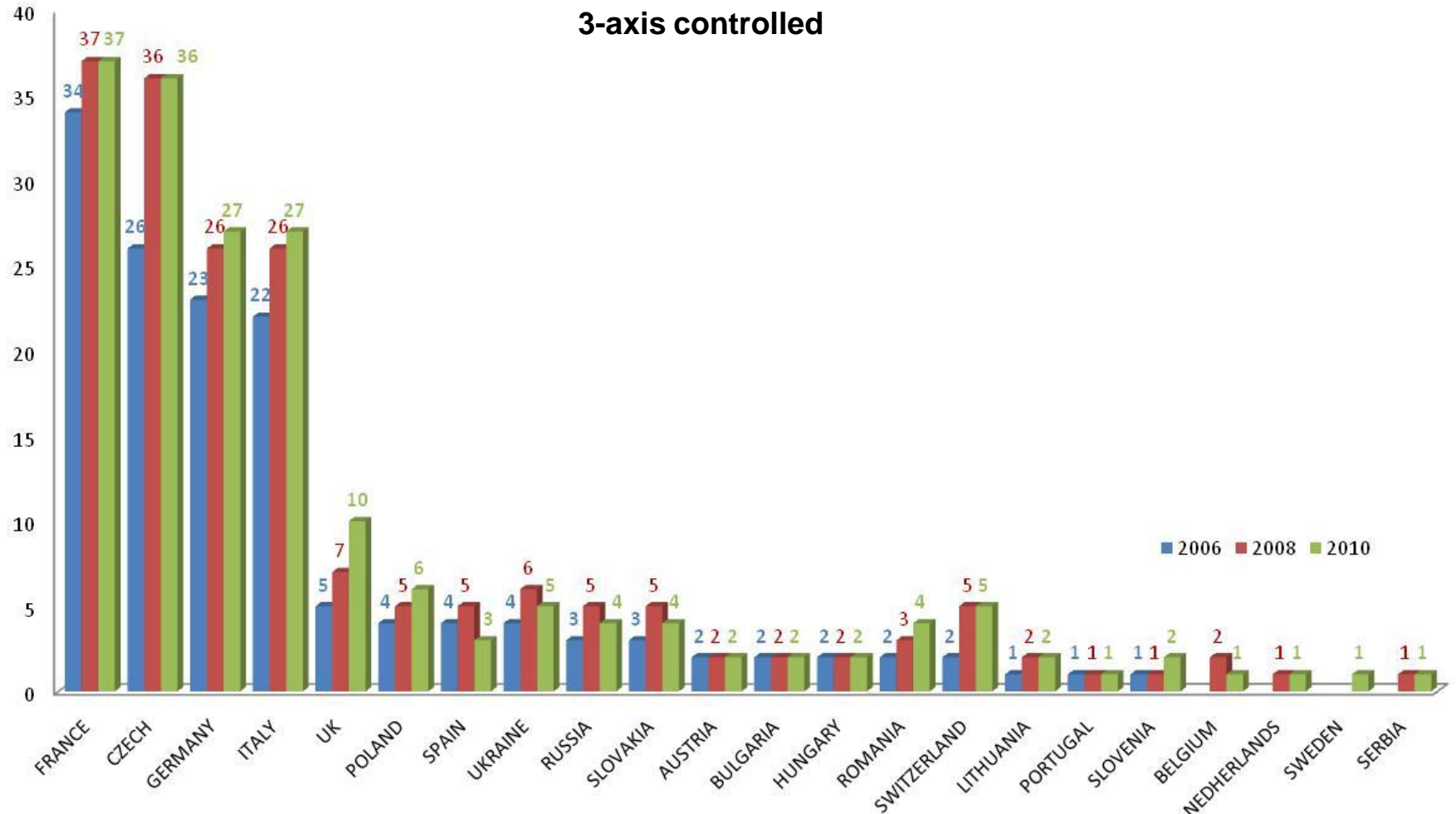


Data based on Leisure Aviation Directory and personal research

European Light Aviation Industry

Number of European Microlight & LSA types by country & year

3-axis controlled



Data based on Leisure Aviation Directory and personal research



LSA Statistics – US market

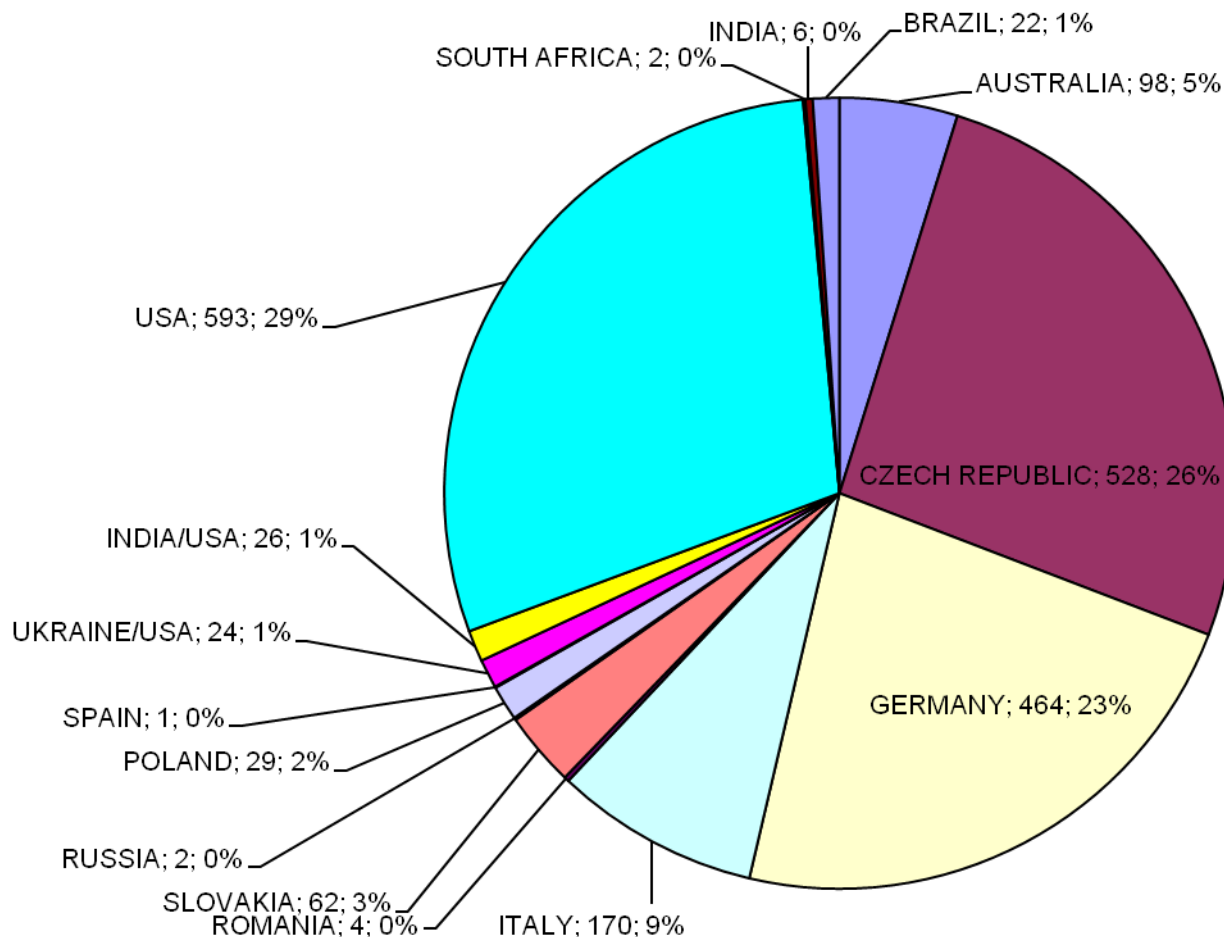
- LSA rules effective from April 2005
- As of 1st April 2011:
 - **88 airplanes certified** as SLSA (factory build)
 - **49 of them are of European origin**
 - **Manufactured by 64 companies**
 - **35 of them are European companies**
 - **2031 planes registered**
 - **1284 manufactured in Europe**

LSA Statistics – US market



Registered 3-axis control S-LSA as of 1-st April 2011 by country of origin

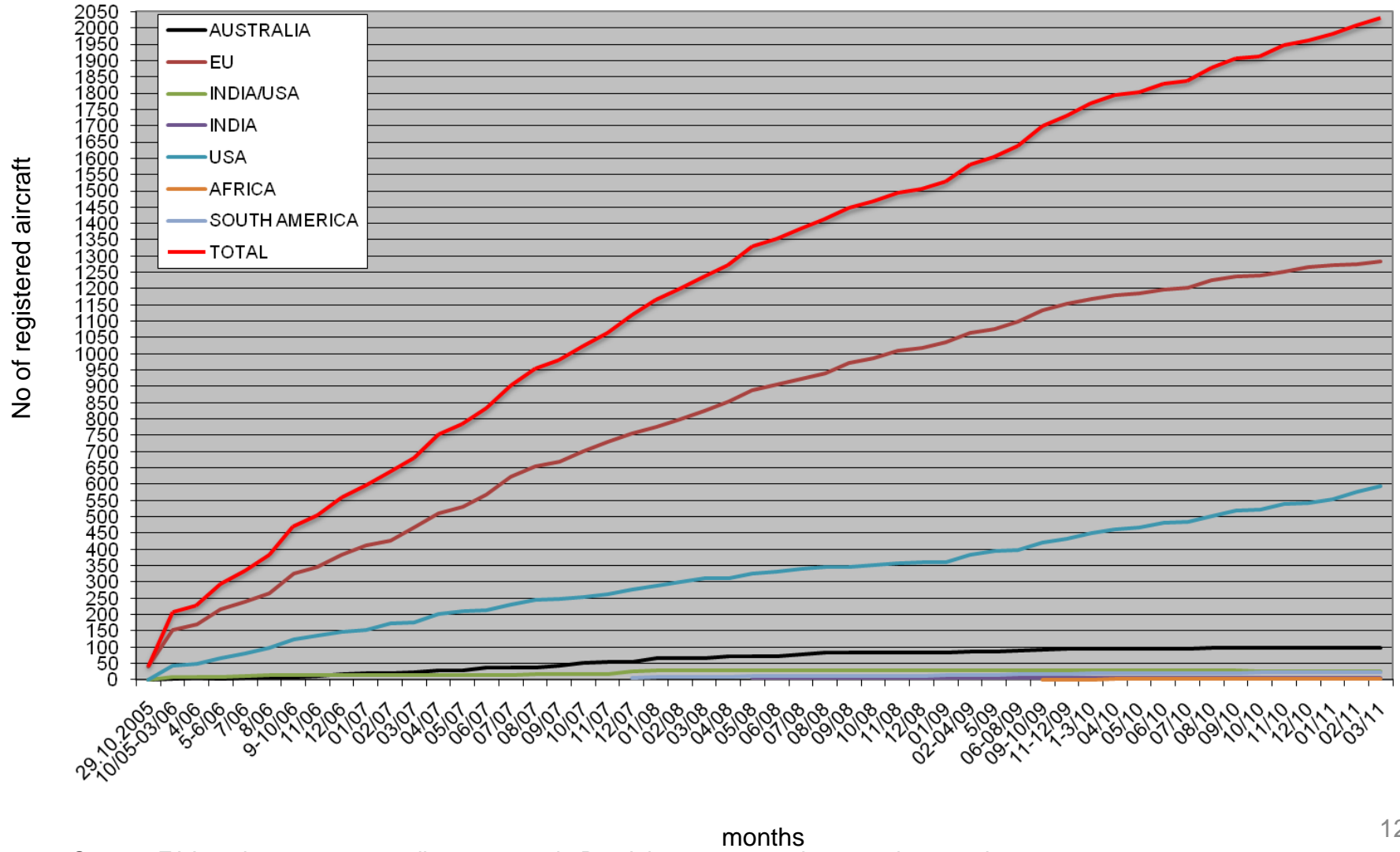
COUNTRY; No of Aircraft; % of Market





LSA Statistics – US market

3-axis control SLSA registration by region per month



LSA Statistics – US market



524 (348 EU)

3-axis control SLSA registered in 2006



LSA Statistics – US market



584 (382 EU)

3-axis control SLSA registered in 2007

111% (110% EU)

Increase against 2006



LSA Statistics – US market



400 (271 EU)

3-axis control SLSA registered in 2008

- 31% (-29% EU)

Increase against 2007



LSA Statistics – US market

249 (148 EU)

3-axis control SLSA registered in 2009

- 38% (-45% EU)

Increase against 2008



LSA Statistics – US market

244 (143 EU)

3-axis control SLSA registered in 2010

- 2% (-3% EU)

Increase against 2009



LSA Statistics – US market



72 (17EU)

**3-axis control SLSA registered
in Q1 2011**

4% (-45% EU)

Increase against Q12010

69 (31EU)



LSA Statistics – US market



3-axis control SLSA registrations per year 2006 - 2010

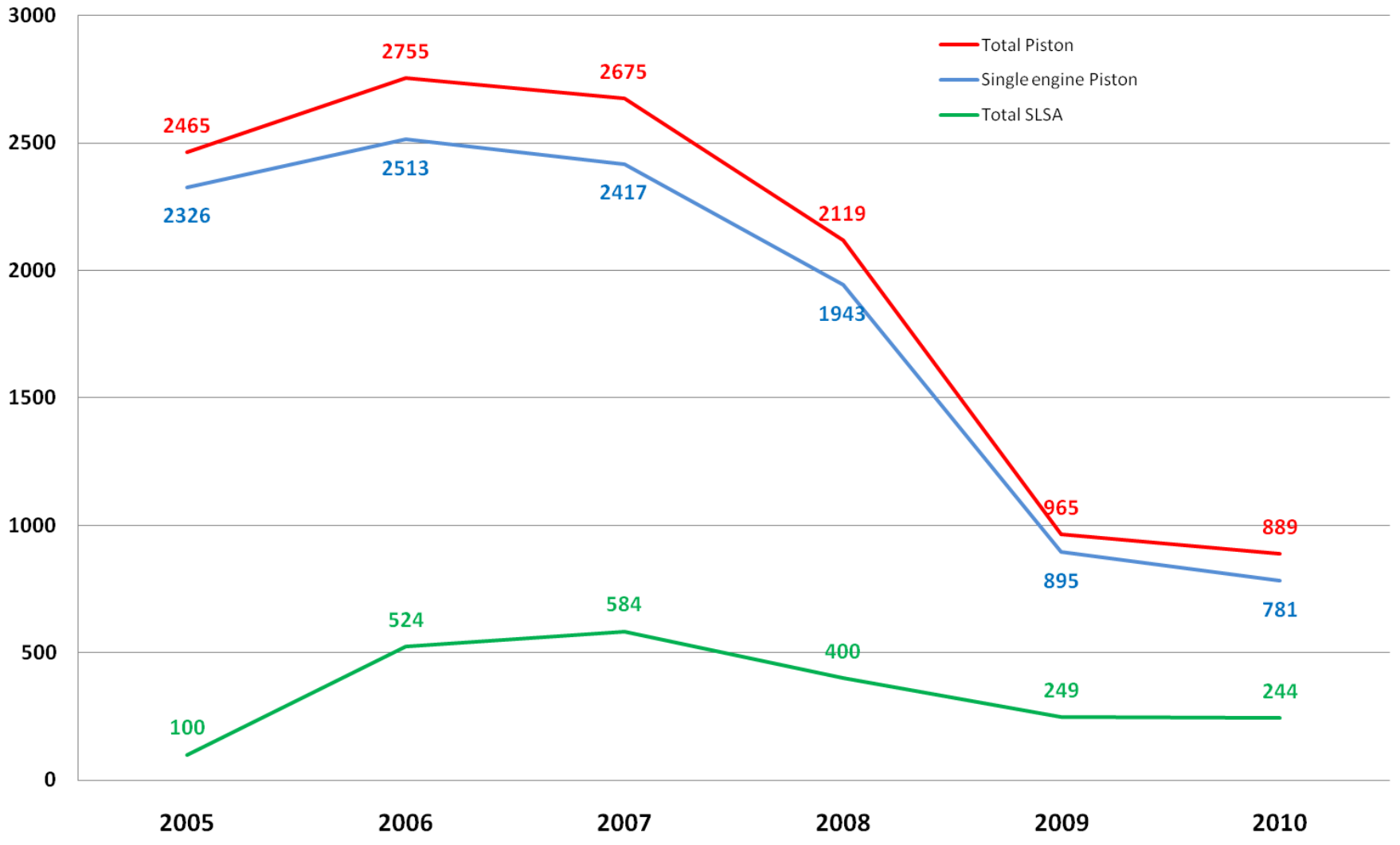


Source: FAA registry, www.sportpilot.org, www.byDanJohnson.com and personal research

GAMA Statistics



GAMA Shipment Piston Aircraft versus SLSA 2005-2010





LSA Statistics – US market

Out of

64

3-axis control SLSA manufacturers

15 companies (9 EU)

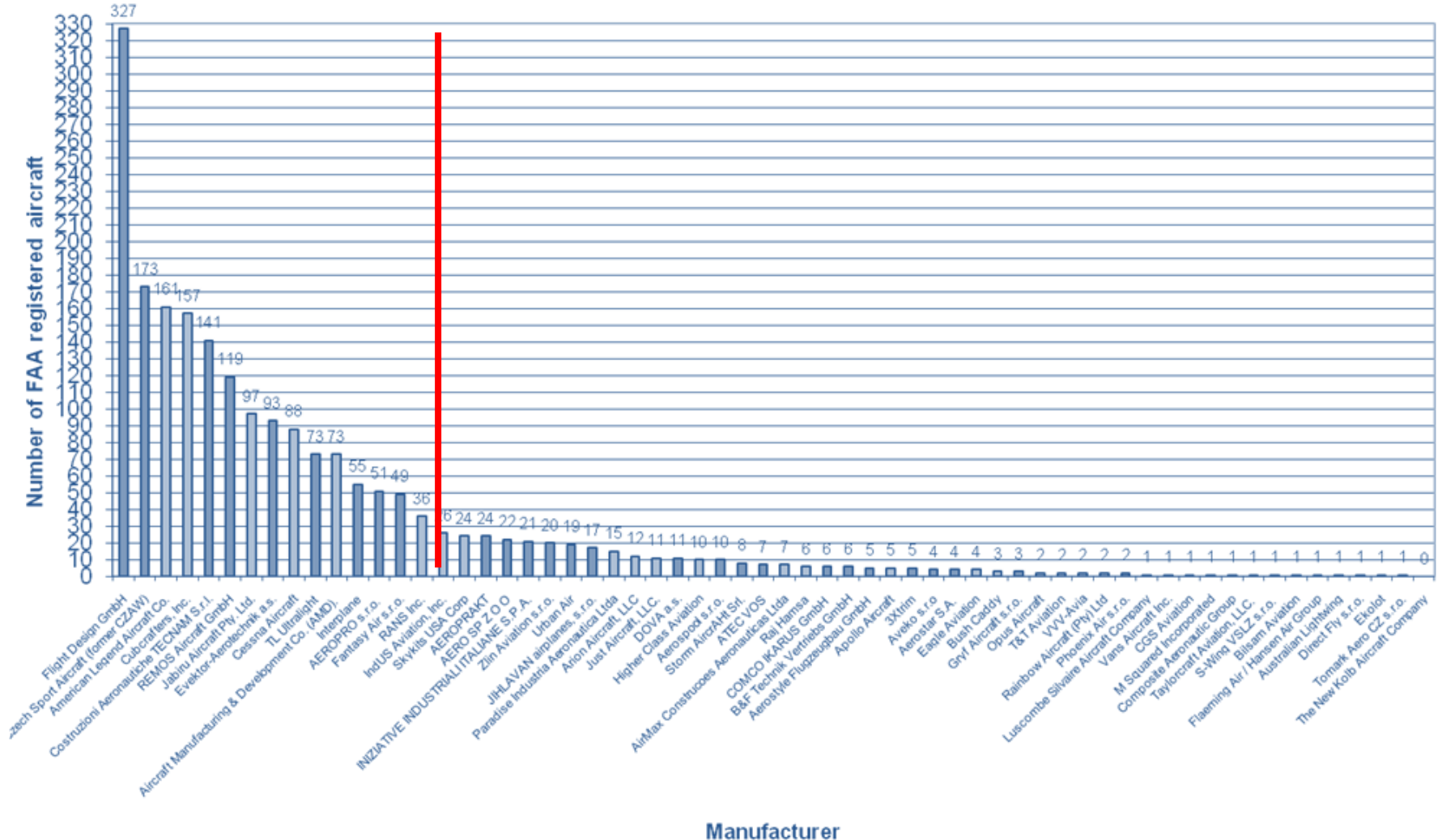
Have made

80% of Sales

LSA Statistics – US market



3-axis control S-LSA Aircraft and Manufacturers as of as of 1-st April 2011



Source: FAA registry, www.sportpilot.org, www.byDanJohnson.com and personal research



Most successful European LSA

Flight Design CTSW&CTL5, 327 sold to USA as of 1.4.2011



Most successful European LSA

PS-28 Cruiser, 173 sold to USA as of 1.4.2011





Most successful European LSA

TECNAM, 141 sold to USA as of 1.4.2011





Most successful European LSA

Remos G-3 600, 119 sold to USA as of 1.4.2011



Most successful European LSA

Sportstar, 93 sold to USA as of 1.4.2011



Most successful European LSA

StingSport, 73 sold to USA as of 1.4.2011



Identified problems

- EASA proposed CS-LSA and ELA process is only partial solution
- European LSA is not US LSA, it is more like light VLA.

**The change of Basic Regulation 216/2008
is needed in any case !**



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