

Innovative Transportation Solutions Using Airship, (Buoyant Aircraft) Technology

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Buoyant Aircraft Systems International

1670 Francisco de Lana



1783 Prof. Charles & Robert

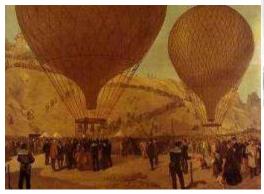
1784



Jean Baptiste Meusnier

1785 Blanchard & Jeffries English Channel Flight

1854 Henri Giffard



A Brief History

Santos Dumont – first dirigible airship

R.34 Crosses Atlantic both ways

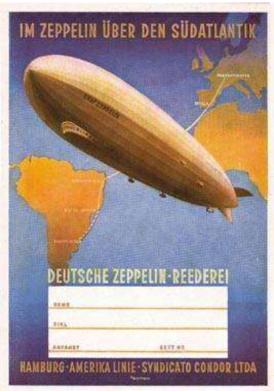


1926 Norge First flight across the North Pole



1929 Graf Zeppelin Circumnavigation of the world

1930 R100 – Flight to Canada



1935 DZR Regular air passenger service across the Atlantic

1961 USN 113,740 ft

1979 SkyShip 500

2000

Zeppelin NT

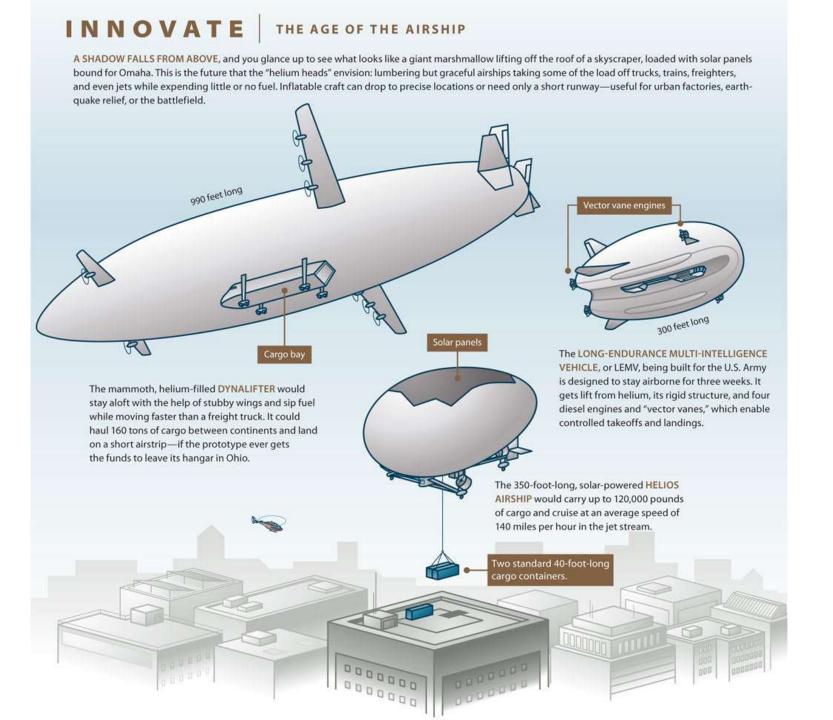


2003 21st Century Airships altitude record - 6,234-metres

2006 LM *P-791* flight

1870

Paris airlift



Current heavy lift Airship concepts



July 2013 Aeros Dragon Dream



No Energy is Required for the Lift





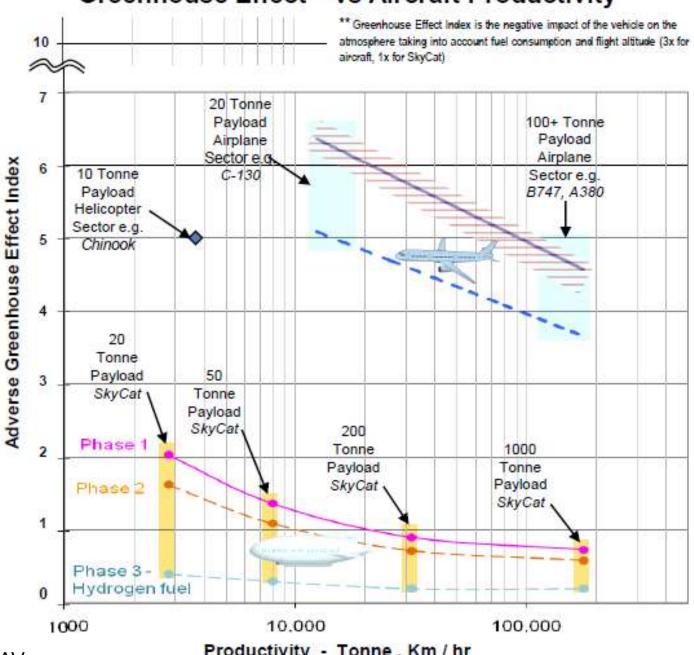




Fuel Cell and Electric power
Hydrogen filled
Vector thrust
Heavy and bulky lift
V.T.O.L. capable
No or little infrastructure



Greenhouse Effect** vs Aircraft Productivity



Source: HAV

Productivity - Tonne . Km / hr

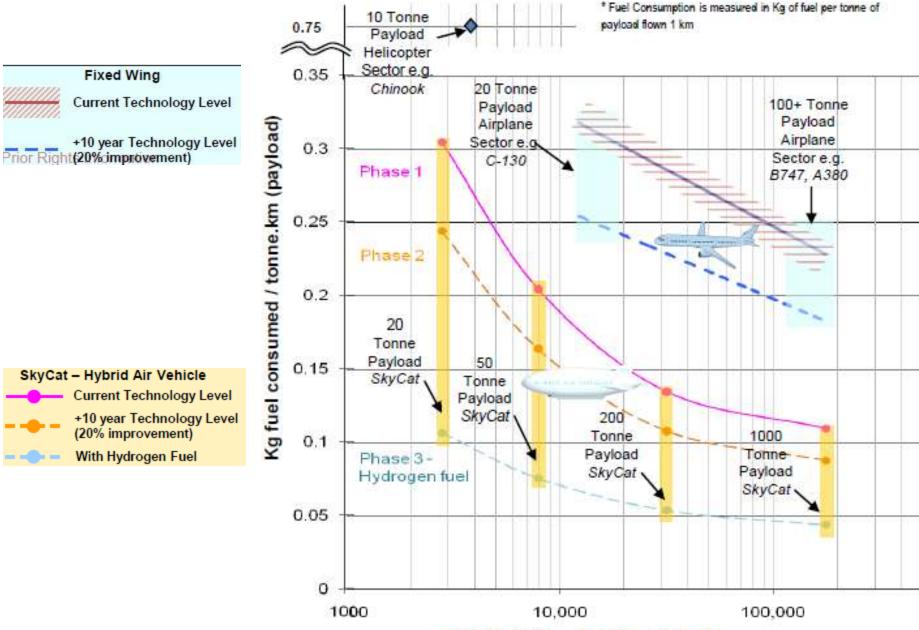
Chinook, C-130, B747 and Skycat cargo aircraft







Fuel Consumption* vs Aircraft Productivity



Source: HAV

Productivity - Tonne . Km / hr

MB-140 Basic pilot training airship



MB-80 Optionally Manned UAV Research Platform



Future Developments

Thank You!



