



The hybrid airship

SkyBoat HELIOS

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SkyBoat **HELIOS** uses aerostatic and aerodynamic lift in approximately equal degrees.

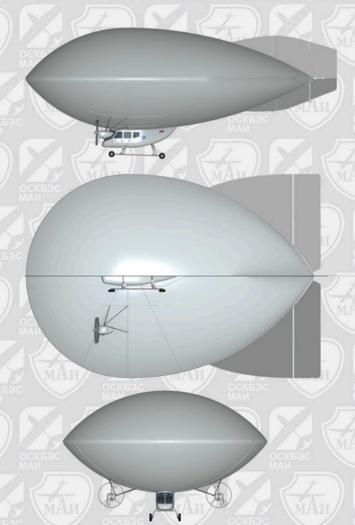
Due to such a combination we achieve performances, which can not be obtained for heavier-than-air (HTA) and lighter-than-air (LTA) aircraft apart, namely:

- Ground handling of airships has historically presented a great difficulty and needs many ground crew members and a mooring mast.
 Our SkyBoat is a steel HTA aircraft and can go on an air trip without the ground crew.
- In comparison with the airplane we have a very low take-off and landing speed and no stall. **HELIOS** does not need prepared runways.
- An empennage flowing and two engines allow to achieve excellent controllability at low and about-zero speeds.
- The location of the engines and crew compartment allow the aircraft to operate from land, snow and water (with optional detachable inflatable floats).

OSKBES MAI

SkyBoat HELIOS specifications

Envelope volume	1036 m ³
Dimensions (Length × Width × Height)	23,5 × 15,2 × 9,7 m
Maximum take-off weight	1300 kg
Overweight	230 kgf
Maximum payload	558 kg
Minimal speed	0 km/h
Take-off run / Landing run	
Cruising speed	80–90 km/h
Maximum speed	100 km/h
Rotax 912i Sport engines	2×100 h.p.
Maximum range	420 km
Rate of climb	10,5 m/s
Maximum duration of flight	8 h
Number of seats OCKESC OCKESC	0 cl(530 4





SkyBoat HELIOS is proposed as a vehicle for, amongst other roles, fans of traveling including family trips and those who wish to feel the pleasure of flight in safe and comfortable conditions.

www.oskbes.ru



Ц21.1 Рорма D-1

МЕЖГОСУДАРСТВЕННЫЙ АВИАЦИОННЫЙ КОМИТЕТ INTERSTATE AVIATION COMMITTEE

АВИАЦИОННЫЙ РЕГИСТР AVIATION REGISTER

СЕРТИФИКАТ

РАЗРАБОТЧИКА АВИАЦИОННОЙ ТЕХНИКИ

DESIGN ORGANIZATION CERTIFICATE

№ P-52

НАСТОЯЩИЙ СЕРТИФИКАТ, ВЫДАННЫЙ THIS CERTIFICATE ISSUED TO

Федеральному государственному бюджетному образовательному учреждению высшего профессионального образования "Московский авиационный институт (национальный исследовательский университет)" (МАИ)

г. Москва, Российская Федерация

УДОСТОВЕРЯЕТ, ЧТО УКАЗАННАЯ ОРГАНИЗАЦИЯ ПРИЗНАНА В КАЧЕСТВЕ РАЗРАБОТЧИКА ГРАЖДАНСКОЙ АВИАЦИОННОЙ ТЕХНИКИ

CERTIFIES THAT THE ABOVE ORGANIZATION IS RECOGNIZED AS A CIVIL AERONAUTICAL PRODUCTS DESIGN ORGANIZATION

СЕРТИФИКАТ ОГРАНИЧЕН В СООТВЕТСТВИИ С ПРИЛАГАЕМОЙ ОБЛАСТЬЮ ДЕЙСТВИЯ, КОТОРАЯ ЯВЛЯЕТСЯ НЕОТЪЕМЛЕМОЙ ЧАСТЬЮ НАСТОЯЩЕГО СЕРТИФИКАТА

ТНЕ CERTIFICATE IS LIMITED TO THAT SPECIFIED IN THE ENCLOSED TERMS OF APPROVAL WHICH IS AN INTEGRAL PART OF THIS CERTIFICATE

СЕРТИФИКАТ СОХРАНЯЕТ ДЕЙСТВИЕ, ПОКА ОРГАНИЗАЦИЯ ПРОДОЛЖАЕТ СООТВЕТСТВОВАТЬ ТРЕБОВАНИЯМ АВИАЦИОННЫХ ПРАВИЛ

THE CERTIFICATE IS VALID WHILST THE ORGANIZATION REMAINS IN COMPILANCE WITH THE REQUIREMENTS OF AVIATION REGULATIONS

ДАТА И MECTO ВЫДАЧИ DATE AND PLACE OF ISSUANCE

13 ноября 2012 г.

г. Москва

Дата первоначальной в Date of the First Issuar 27 anpenя 1998г.



SIGNATURE

Председатель

должность

TITLE

OSKBES MAL The Design Bureau of Moscow Aviation Institute (National Research University)

Tel.: +7 499-158-44-68; +7 903-628-80-33 Chief Designer: Vadim Demin Email: oskbes@mai.ru Web: www.oskbes.ru





