

Fly 4 Fun – not for money!

Well, what is it all about? Right: Fun! Just like riding a bike, a horse or a motorbike. Flying an aircraft for pure leisure should neither be a scientific thing like “sport” nor should there be any other sense to it than pure fun. Fly 4 Fun is the point!

Getting in the air to relax and to get away is the motivation for most people that hold a Private Pilot License. More than two thirds of all these leisure flights take place with one on board, in good weather conditions and last less than one hour while ending where they began. The technology advances allow today to experience flying safely as an individual under your own responsibility for less than 40€¹ per flight hour.

The faster planes are, the more people can get on board and the higher they fly the more expensive it will get. Let's go the other way: slow, single seat for altitudes no more than 3000 feet above ground. That is fun. Swing the Wing and Fly 4 Fun!

Flying fast is chic but makes no sense for the fun flyer. Flying fun is not a matter of distance but a matter of the time airborne. Flying one hour for 40€ while traveling 90 km versus 200€ and traveling 250 km is the difference. Flying for 40€ per hour with 90 km/h results in 450 km distance at the cost of 200€. Figuring it that way means: you can have 5 times the fun and almost twice the distance for the same money! Or if distance counts you can have twice the fun at the same distance for half the money!

Shared fun is half the fun? No, of course not, but a passenger on board implies responsibility and liability in case of an accident. Taking a person on board means for a responsible captain a constraint in freedom because of the responsibility. Regarding the liability you better have insurance for that second seat. It means it costs money even if that second seat is empty for two thirds of the flights. Single seat is a great saving potential!

Flying higher is flying in denser traffic and therefore flying according to more rules. The equipment alone required flying high costs lots of money to buy and to maintain. You also need a special license to go above 10.000 Feet. Flying

“uncontrolled” saves a lot of money still having fun in the sky.

Low cost means unsafe? By no means is safety to be compromised. A mature, simple and easy to maintain design is the paradigm to foster high reliability and safety and still have low cost of ownership. Simple access to all structural parts allowing a comprehensive inspection prior to every flight is a must for safe operation.

Finally keeping your precious plane safe and away from others damaging it in a hangar is very expensive. Not mentioning to get at your source of fun is sometimes quite a hassle that represents a “no-fun barrier” impeding many fun flights from happening. Just bring your plane for a flight to the airstrip, unfold it in 10 minutes, have fun for a couple of hours, fold it back together and travel home. In some countries you can legally fly from your backyard and without a license. All what is needed is a Party Tent to protect the plane from the environment. This could save you easily 1200€ per year and you are always pole position to Fly 4 Fun.

Flying 4 Fun – not for money - surely is not effortless. You have to maintain your aircraft yourself, to do the paperwork yourself and to bring your plane to the airport yourself. But, that is part of the fun.

The Airhero Sluka is addressing the Fly 4 Fun needs.



The sleek looking Sluka with the type designation LK-2H "grandfathers" back to the genuine Letov Sluka LK-2 Type Certificate, which was issued in the early 1990s. After a major touch-up allowing a comprehensive all-complete aircraft kit the TC was updated in 1994. No less than 50 of these aircraft have been delivered as factory built or kit. Today at least 25 of them are still flying and giving lots of fun to their owner.

After two years of intense work we have acquired the design, re-established the approved design data baselines of LK-2 and LK-2M and revised the design to the LK-2H.

¹ Estimation for a Sluka operated as Single Seat Deregulated (SSDR) aircraft.



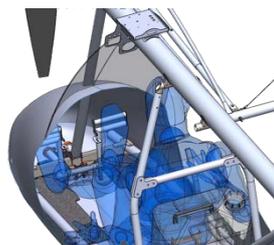
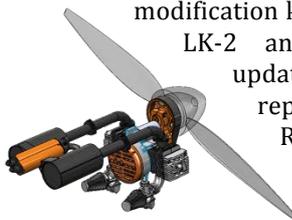
Today you can purchase the LK-2H as a 51% fast build kit or as a ready-to-fly aircraft compliant with the EASA CS-LSA. Our intend behind revising the Sluka design is multifold:

- introduction of new technologies and new ways of doing things so that it is very affordable and much simpler yet safer to home built and maintain this great aircraft.
- update the shape to address improvements in looks and performance.
- design a new propulsion unit replacing the obsolete ROTAX 447 engine.
- address all the Fly 4 Fun needs in order to supply a perfectly suitable aircraft for as many as possible fun flyers.

We left the concept and core design pretty much unchanged to sustain the well-known reliability and safety of the Sluka. We had also in mind that for the new Sluka friend the community of the present Sluka enthusiasts would be a great resource of experience by maintaining utmost commonality between the former models and the LK-2H.

Due to the great similarity natural spin-offs are modification kits compatible with the LK-2 and LK-2M. We offer updates for the engine to replace the obsolete ROTAX 447, for the wing, with new covers, the great performing composite wing tips, the sharp tail feathers from composite sandwich, a mount system for the custom packed Rescue System only to mention a few.

Many details further improve looks, usability and comfort for the pilot of the LK-2H, such as removable 30l fuel tank, better pilot seating position with adjustable pedals, new differential breaking system. The open cockpit provides the ultimate flying experience and contact to nature.



The folding wing mechanism allows you to easily slim the footprint of your Sluka appropriate for road transportation on our dedicated trailer and for space efficient parking.



The max. Gross Weight of 300 kg (315 kg with Rescue System) legalizes safe flight even for the big boys at full operational range. If that is not enough we offer a 450 kg (465 kg) Version also.

The LK-2H is meant to be simple and inexpensive to operate and upkeep. It is the best choice for all who want to Fly 4 Fun with minimum effort and cost. The single seat A license pilot finds a great asset in this cool aircraft.

Airhero LK-2H "Sluka"

General Characteristics:

Crew:	Single Seat
Length:	5,3 m (17,4 ft)
Height:	2,5 m (8,2 ft)
Wingspan:	9,2 m (30,2 ft)
Wing Area:	13,3 m ² (143 sqft)
Empty Weight:	150 kg (331 lb)
Gross Weight:	300 kg (662 lb)
Fuel Capacity:	30,0 l (7,93 gal)
Power Plant:	Hirth 2301, 37 kW
Propeller:	2-bladed Composite

Performance:

Maximum Speed:	120 km/h (65 kt)
Cruise Speed:	85 km/h (46 kt)
Stall Speed:	45 km/h (24 kt)
Never Exceed Speed:	130 km/h (70 kt)
Range (plus reserve):	220 km (120 NM)
Endurance:	3,25 h
G-Limits:	-2g to +4g
Rate of Climb:	3,5 m/s (690 ft/min)
Best Glide:	2,9 m/s (570 ft/min)