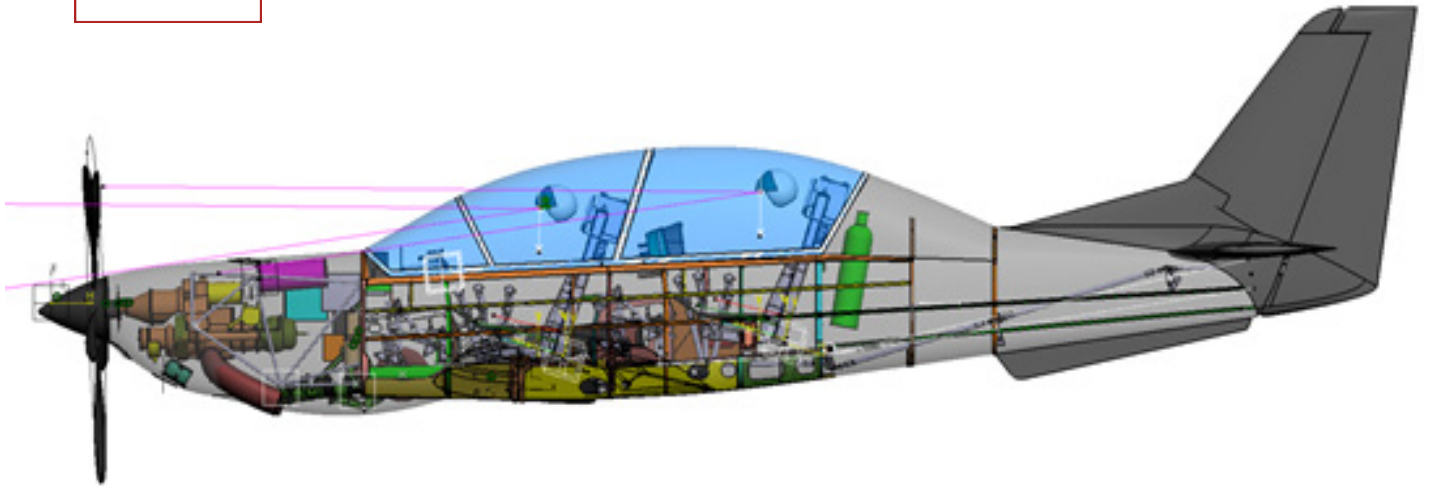


DEVELOPMENT



LASTA TP

Aircraft with turboprop engine



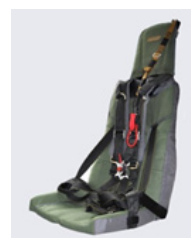
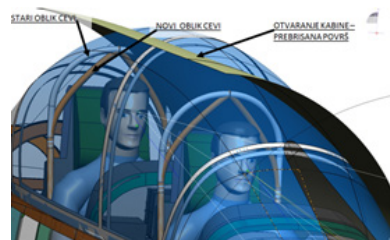
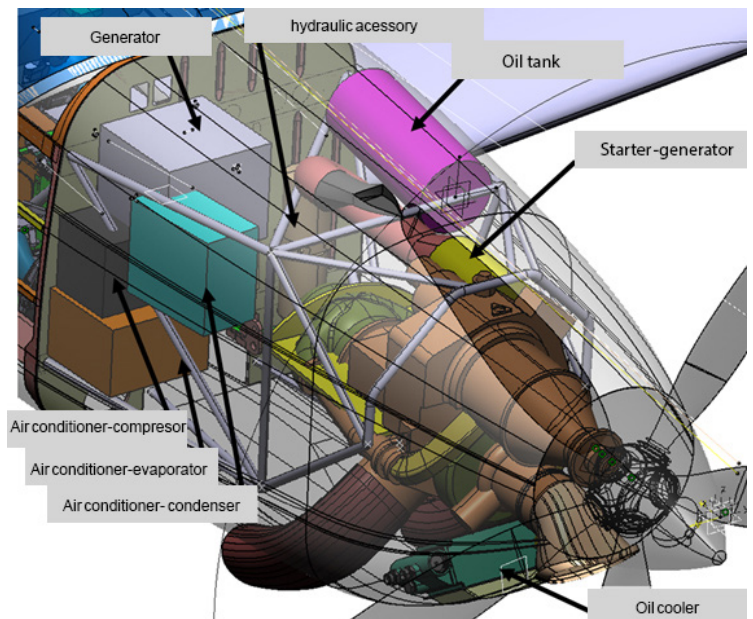
LASTA TP aircraft with Rolls Royce M250-B17F engine in the existing structure of basic "LASTA" aircraft.

The maximum engine power is 450HP (330KW), and they are powered by standard jet fuel JP-1/ JET-A1.

The following technical improvements are achieved on new "LASTA" TP aircraft:

- Improvement of aircraft performance,
- Installation of ejection seats Zvezda KS-2012B,
- Installation of air conditioning unit,
- Installation of oxygen system,
- Increase of ordnance payload from 200 kg to 400 kg, optional,
- Turboprop engine, new propeller, generator and engine controls,
- HOTAS system (Hand On the Throttle and Stick)
- Installation of ejection seats,
- Increase of fuel capacity in the wings, optional,
- Adding two new armament pylons on the wings,
- Minor modifications of horizontal tail.

Main modifications in the engine installation zone:



KS-2012

Performance of new "LASTA" TP aircraft with Rolls Royce M250-B17F turboprop engines for aerobatic version, with 1250 kg take-off weight.

- Maximum speed 400 km/h
- Stall speed <115 km/h
- Cruise speed 380 km/h
- Max. rate of climb 13.5 m/s
- Bank angle load factor 3.4 g
- Flying height 7500 m
- Maximum flight duration +4 hours
- Maximum flying range 1200 km
- Landing length 265 m
- Take-off length 575 m
- Load factors +6/-3 g

In comparison to basic "LASTA" aircraft, the aircraft systems of "LASTA" TP aircraft - engine controls, armament, heating, air conditioning units, fuel installation, electric and electronic installations and equipment are modified.

The equipment of aircraft and aircraft systems is shown in the brochure of the basic "LASTA" aircraft.

