



COMMERCIAL PROPOSAL FOR A STRATEGIC AVIATION PROJECT

On behalf of “Avianova Tech”, I would like to present to you a unique aircraft project that can become the basis for large-scale aircraft production in India, and will make a significant contribution to the development of its aircraft industry.



MULTI-PURPOSE AIRCRAFT



This is a multi-purpose aircraft designed to carry cargo 1,800 kg or 10-13 passengers over distances of up to 1,900 km. The latest achievements of aircraft manufacturers have been incorporated in this aircraft, creating a reliable and economically efficient airplane.

The aircraft is equipped with a turboprop engine. Modern avionics including a weather radar, short-range navigation system and instrument landing system that gives the possibility to operate the aircraft day and night, in VFR and IFR conditions, and in areas having no terrain distinguishing features.





ADVANTAGES

- The aircraft can operate from unprepared grounds and can be used for geologic, oil and gas industry, farmers, cargo and passengers transportation, medicine and for everyone who needs a reliable and durable aircraft.
- This aircraft is an all-metal, single engine, braced high wing monoplane, with standard single fin empennage and three wheel LG (tail wheel steering). It is equipped with an economical turbo-prop engine.
- The cockpit accommodates two pilots and has seats with longitudinal and vertical adjustments. On the port-side and starboard of the cockpit there are individual doors for the crew members, equipped with emergency release mechanisms for aircraft emergency abandonment.
- The universality of this aircraft is achieved due to the wide opening of the cargo-passenger cabin.
- This aircraft has three types of anti-icing system: "air-heat" for the hot air supply from engine to the windshield, "oil-heat" for engine air-intake, and electro-metric for the prop tips and pitots.
- The fire equipment has a warning system with fire sensors installed in the engine bay, fire extinguishing system with a fire bottle charged with chladone installed in the engine bay and operating from the squib. Crew cockpit and the passenger cabin are equipped with an air-conditioning system.
- The aircraft has instruments and avionics, including airborne radar installed in the pod, providing qualitative and safe (mostly in independent mode of operation) flight and navigation for day and night, in VFR and adverse weather conditions, above water or landmarks free territory.
- Modern flight-navigation equipments are a GPS receiver, ADF, radio altimeter, directional gyro, and meteorological radar.
- The aircraft can be operated from unprepared RWYs and intended for the use by geologists, oil and gas industry workers, farmers, shortly to say – by everybody who needs reliable and easy-to-maintain aircraft.



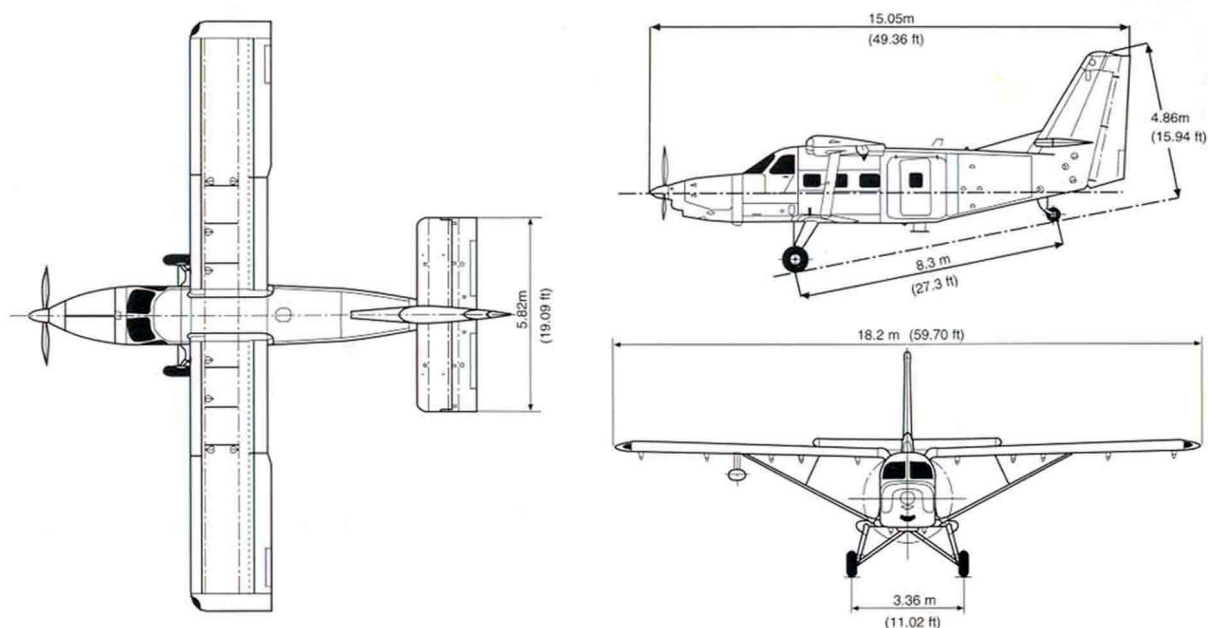




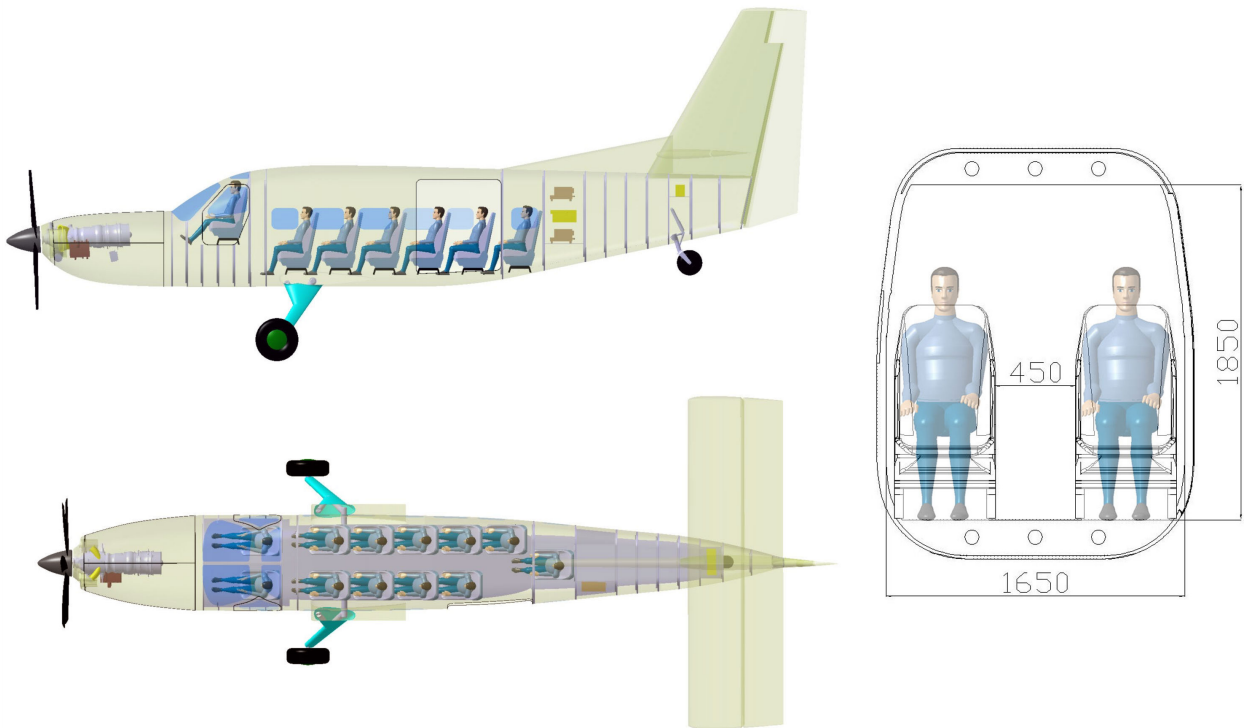
PERFORMANCE

Engine type/propeller power, hp	TWD-108M / 1100
Maximum take-off weight, kg	5500
Empty weight, kg	2640
Maximum commercial load, kg	1800
Maximum fuel weight, kg	1250
Average fuel consumption (sea level), kg/hour	215
Crew, per.	1 (2)
Maximum number of passengers	10-13
Flight speed, km/h	
-maximum	350
-cruising	315
Flight range with maximum payload, km	1900
Maximum flight altitude, m	6000
Take of run, m	350
Landing roll, m	230
Dimension of cabin (cargo compartment)	
-Length	4,5
-Width	1.65
-Height	1.85
Dimension of cargo door, m	
-Width	1.6
-Height	1.75

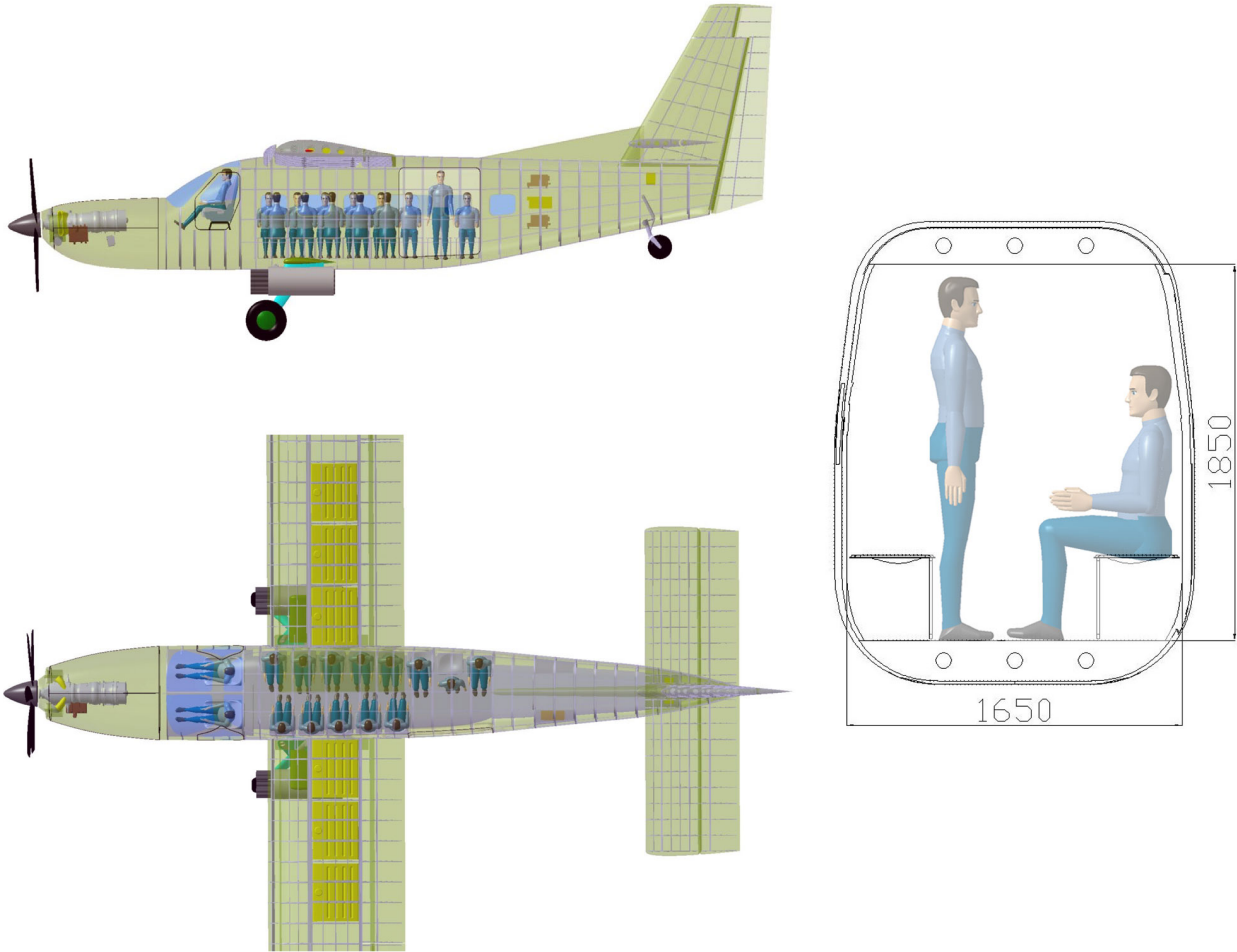
DIMENSIONS

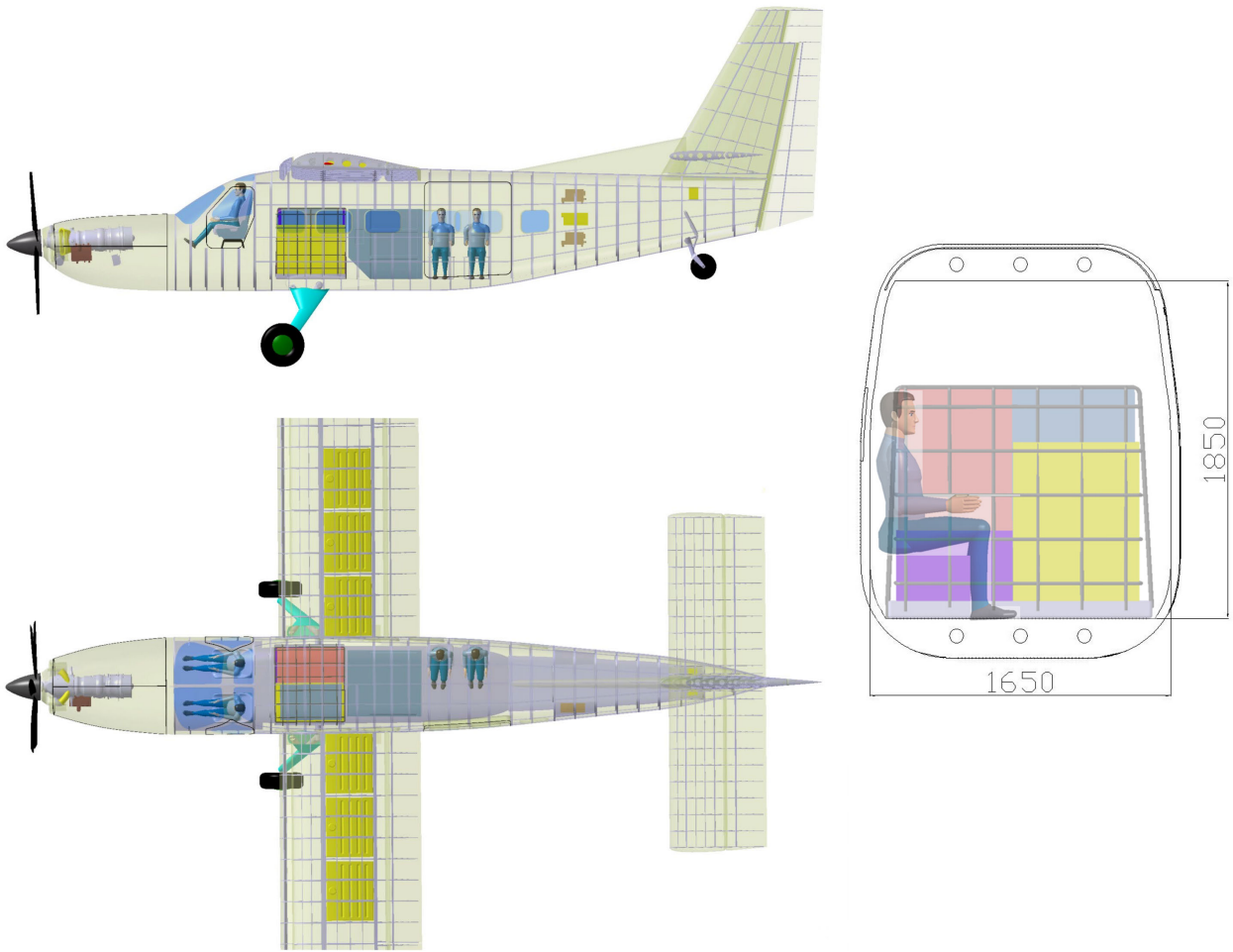


PASSENGER LAYOUT

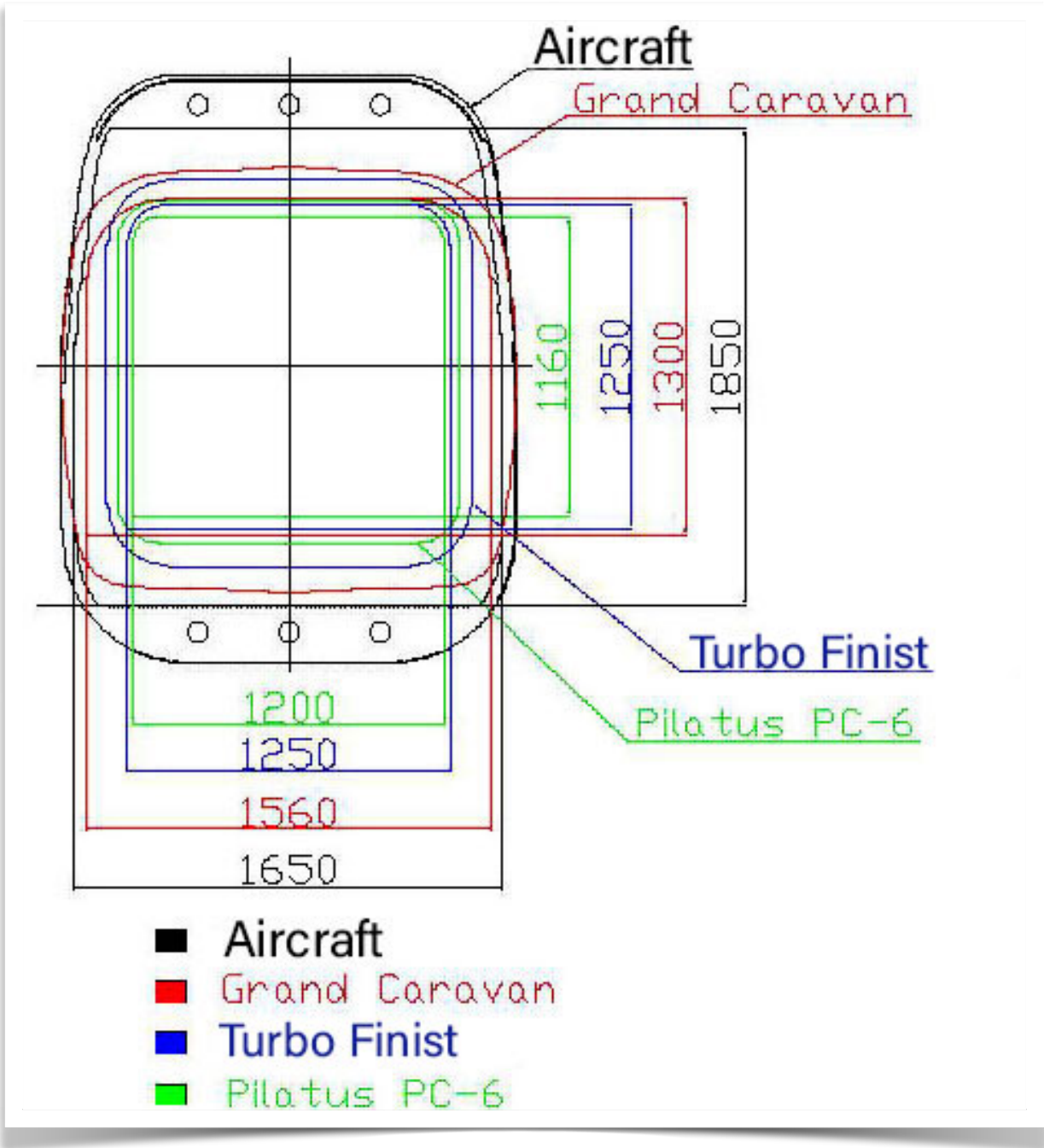


LAYOUT FOR PARATROOPER





COMPARATIVE LAYOUT, CESSNA GRAND CARAVAN, PILATUS PC-6 AND TURBO FINIST



EXPECTED TECHNICAL CHARACTERISTICS: WHEN THE ENGINE IS REPLACED BY GENERAL ELECTRIC, THE POWER OUTPUT IS 1430 HP.

- Max. speed: 300 km/h
- Cruising speed: 270 km/h
- Flight range at full load: 1,800 km
- Flight range without load: 3,000 km
- Runway length at maximum load: 240 m
- Takeoff and landing distance: 95-105 m
- Maximum payload: 1,800-2,000 kg
- Maximum take-off weight: 5,800 kg
- Passenger capacity: 15 persons or 12 paratroopers with equipment
- Operating temperature range: - 45 °C to +50 °C

Tests have been conducted in Kazakhstan and the mountains of Uzbekistan, with over 2000 hours of flight time.

WE ARE OFFERING THE SALE OF A FULLY COMPLETED AIRCRAFT PROJECT WITH FULLY LOCALISED MANUFACTURING CAPABILITY IN INDIA. THIS OFFER INCLUDES:

- A complete set of working design documentation for a certified aircraft;
- Two completed aircrafts requiring power plant replacement;
- Design office with three experienced aviation specialists for technical support;
- Plant equipment, including matrix stands and assembly fixtures;
- 20 sets of blanks (fuselages, wings, plumage) of varying degrees of readiness - for the production of 20 aircrafts.





PRODUCTION COST

Rs. 7 crore is an approximate basic production cost of the aircraft. This price does not include:

- price of engine with propellers, different manufacturers depending on requirements;
- instrument avionics, electronic or analogue, low temperature resistant;
- stuffing on board the aircraft, depending on the purpose of the destination;
- Aircraft certification.

If production is scaled up, the cost of the aircraft will decrease.

KEY ADVANTAGES OF THE AIRCRAFT

- Economical production.
- Robust assembly of riveted dural with anti-corrosion coating resistant to weather conditions in India, possibility of non-hangar storage in open spaces. Riveted dural is also used for MIG-29 and SU aircrafts already in use in India.
- Easy maintenance, can be repaired in the field.
- Short take-off and landing.
- Easily modifiable into different types, such as military use: airborne, anti-drone with REP system, can defuse and intercept drones, medical use, agriculture, civilian use and others.

STRATEGIC ADVANTAGES

- Within the 1st year we are ready to organise production jointly with the Indian side and assemble 20 more such aircrafts on the territory of India.
- With your support, it is possible to roll out a full cycle of production with a capacity of up to 100 aircrafts per year, with the prospect of increasing to 1,000 units per year.
- To assemble 20 aircrafts in a year, about 60 employees will be required.
- Up to 300 employees to produce 100 aircrafts per year, up to 3,000 employees to produce 1,000 per year.
- Automation of aircraft production is also possible.

The project may be transferred under full control of the Indian side after the completion of the deal, which matches the **“Make in India”** localisation programme.

We are confident that this versatile aircraft, with its rugged design and mission adaptability, has the potential to become a workhorse for India's varied needs — from agriculture and emergency response, to regional transport and national defense.

With your visionary leadership and strategic partnership, this project can transform India into a global hub for light aircraft manufacturing, driving innovation, employment, and industrial growth.

Thanking you,
Sincerely,

Mr. Leonid Boiarintsev
Aviation Construction Centre Director
Avianova Tech Pvt. Ltd.

