



The **Dragonfly** is a high-tech green helicopter based on a H₂O₂ Tip jet propulsion system. This technology eliminates the weight and maintenance of engine/gear box, pedals, hydraulics, and does not require a tail rotor. A tail rotor is available to enhance hover maneuverability.

Although the Dragonfly is light weight (220 lbs) it can carry payloads of up to 800 lbs it also has very low maintenance cost. The only propulsion maintenance required is to flush the Tip-Jet system with water approximately every 20 hrs of operation. The H₂O₂ engines have a lifetime warranty.

As with any aircraft the Dragonfly requires FAA inspection: Pre-flight, 100 hrs inspection, and annual inspection by a FAA certified station or a certified aircraft mechanic.

All parts installed on the dragonfly have full FAA traceability and are fully tested, including thermo, Load stress, X-ray and NDI-Non Destructive inspection. All are made by highly qualified aircraft industry companies. All hardware is MIL-Specs, and is manufactured within ISO parameters and intensive QMS-Quality Management System.

Avimech is currently accepting manufacturer reserve serial number, the DF1 is a one seat helicopter delivered with FAA certification under US number, the Hydrogen Peroxide (H₂O₂) green emission can be locally delivered at the concentration of 70% easily transported and simple storage in the H₂O₂ manufacturer containers (DOT approved containers) from 6 gallons up to the requested costumers needs, the H₂O₂ at 70% is priced today on the market under US\$ 4.00 per gallon.

In case you desire make your own fuel, this system is also available.

The Tip-jet technology offers much higher efficiency and is environmentally friendly with high stability and less vibration then the conventional helicopter, able to operate in strong winds (such as landing on ships for emergency rescue).