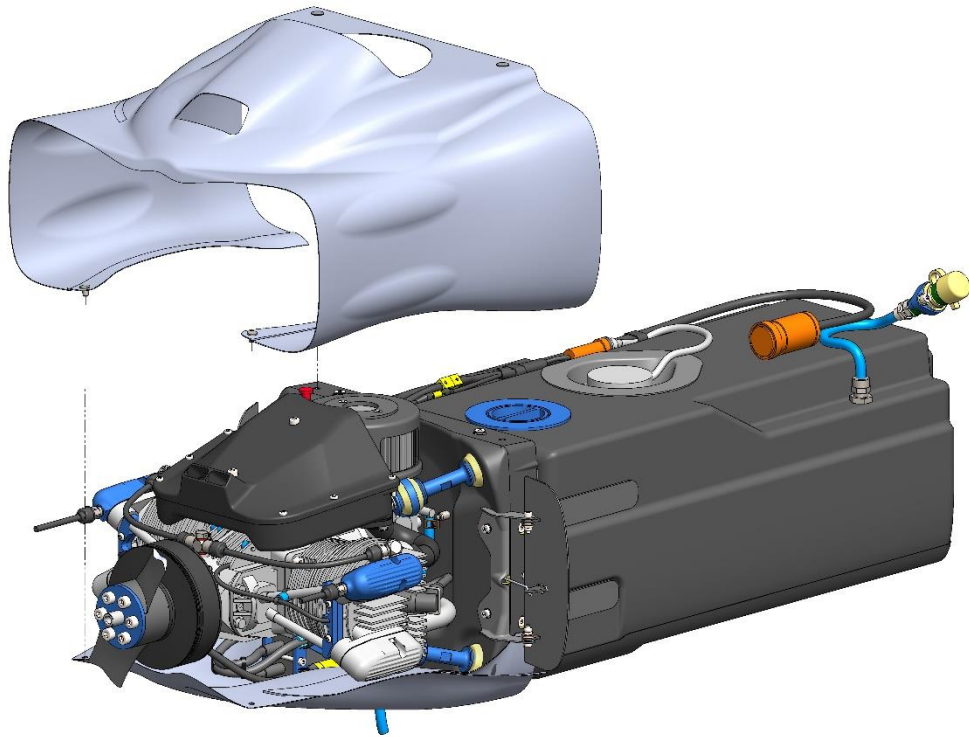# UAV Engine Unit
Saito FG-100TS

Purpose:

Our UAV propulsion module comes as a fully integrated solution. All systems come as one unit for easy installation and maintenance. Our module is fully compatible with Pixhawk family autopilots.
The engine unit has a remote start, so you can start your UAV engine with just one click or push of a button, an electric generator to power up all electric equipment on board of your UAV.
We equipped our engine units with a fuel level sensor, engine temperature sensors, air temperature sensors, RPM sensor to provide you with the full and required information.
In our system installed an additional option that can automatically restart the engine during the flight.
Our team can customize and integrate the UAV engine module to feet all of your needs.

The set of UAV engine unit consists of:
- Internal Combustion Engine
- Electronic ignition;
- Throttle servo actuator;
- ICE Cooling system servo actuators;
- Servo-drivers
- Propeller;
- Motor Mount;
- Starter-Generator;
- Electronic Speed Controller;
- Set of sensors
- Fuel tank;
- Spare parts;
- Transport case.

Technical Specifications:

Features and advantages of the Engine Saito FG-100 TS:

• RPM Range	1500-6300 RPM
• Engine operation temperature	90-140° C
• Propeller	26x12"
• Fuel tank capacity	11
• Empty weight	7,8 kg
• Maximum working altitude	5000 m
• Power	7 HP

System Specifications:

• Onboard power supply	Nominal voltage - 24VDC
• Overcurrent protection	+
• Onboard battery	6S LiPo

• Battery capacity	5400 mAh

Main features of starter/generator:

Remote engine start	+
Brushless motor starter/alternator	+
300W output electrical power	+

Dimensions: