



**IE-SOAR™**



## **IE-SOAR™ fuel cell systems** replace your battery and unlock long endurance flight.

**Enable previously impossible applications** – your business is no longer constrained by flight time.

**Unlock BVLOS operations** – BVLOS makes sense with the range provided by fuel cells.

**Increase operational efficiency** – spend more time in the air and achieve more.

### **IE-SOAR™ benefits**

- Direct battery replacement. 12S to 16S compatible – automatically follows load demand just like a battery.
- Designed for safety and reliability. Single point failure tolerant and with built in power system redundancy.
- Modular – combine systems in parallel for 2.4kW, 4.8kW outputs.

### **Fuel cells vs. internal combustion engines**

- Clean & zero-emission.
- Near silent operation.
- Reduced maintenance & no moving parts. No tuning.
- Vibration free for maximum stability.

### **Fuel cells vs. batteries**

- Increased flight time.
- Fast refuelling.
- Built in power system redundancy.

**Fly longer · Fly further · Achieve more**

Get in touch today to find out how your mission could benefit from fuel cells

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**Intelligent  
Energy®**



**IE-SOAR™**

## INTEGRATION EXAMPLES



### Harris Aerial – H6 Hydrone

- Uses IE-SOAR 2.4kW
- 5kg payload for 90 minutes
- Fully operational solution
- BVLOS capable
- Near silent operation

### Gryphon – HX 1600

- Uses IE-SOAR 2.4kW
- 7kg payload for 90 minutes
- Endurance hexacopter
- Optimised for IE-SOAR fuel cell integration



### ISS Aerospace Sensus 4

- Uses IE-SOAR 800W
- 1kg payload for 60 minutes
- 8kg AUM quadcopter

### Unmanned Aerospace GH4

- Uses IE-SOAR 1.2kW
- 7kg payload for 6 hours
- High endurance low signature gyrocopter



### Zepher Flight Labs

- Uses IE-SOAR 800W
- 5kg payload
- 12 – 15 hour endurance
- VTOL capability
- Military surveillance