

## DESCRIPTION

A satellite-based Flight Termination System is crucial for Uncrewed Aerial Systems operating in high-risk scenarios, such as off-shore inspections, search and rescue, drone delivery, aerial surveys and use in populated urban environments. The FTS system uses high reliability, low-latency satellite links and IP technologies to deliver termination commands from a secure website to the UAS. The FTS, paired with impact reduction systems (parachute) can safely terminate and recover high value UAS in a flyaway situation.

The FTS operates independently of the Command and Control (C2) system of the UAS and is equipped with a GNSS receiver for accurate tracking, locating and recovery in the event of flight termination. The satellite link eliminates the risk of relying on intermittent cellular and other terrestrial radio technologies for flight termination. For responsible UAS operators, especially in Beyond Visual Line of Sight (BVLOS) scenarios, satellite-based FTS is a valuable tool to ensure human safety and aviation regulatory compliance.



## APPLICATIONS

- Offshore inspections
- Search and rescue
- Drone deliveries
- Aerial surveys
- Military UAS

## SPECIFICATIONS

**Iridium Transceiver**

**Power: 7-26 VDC, 0.5 W**

**operating Temperature**

**Enclosure Size: 80 x 50 x 50 mm**

**Communication**

**Reliability: Termination success > 99.99%**

**Latency: Less than 5s**

\* Internal antenna version

## AT A GLANCE

- Beyond Visual Line of Sight (BVLOS) flight termination
- Aviation regulatory compliance
- Low-latency real time communications
- Independent operation
- Ideal for Size Weight and Power (SWaP) constrained applications
- Geo-fencing for automated flight termination

