



University

## MISSION PURPOSE

The Tlaloc is designed to address serious deficiencies in initial relief efforts for natural disasters. The moments just after a disaster are the most critical times to save lives, and often, the teams already present on the ground are not equipped to handle such events. The biggest cause of this lack of readiness is often the lack of funding for specialized disaster relief equipment. The Tlaloc eliminates this by not only being very affordable at a single unit one-time manufacture cost of \$3,000 (a cost that would dramatically drop in mass production) but also by being highly configurable to any mission set.

- 1. Provide an affordable product to improve disaster response worldwide
- 2. Provide rapid disaster relief in almost any situation.
- 3. Remain highly configurable to fit almost any mission set.









**Control Surfaces** 

Horizontal and Vertical Stabilizers: Elevator and Rudder

## **Telemetry and Data Logging** The Tlaloc has a variety of instruments onboard to both collect flight data and to help the drone remain stable

To the right are the GPS, Radio Controller, Flight Controller. All running on Ardupilot to make autopilot a possibility.

To the right is the Electronic Speed Controller which controls the speed at which the motor spins



# TLALOC **Disaster Relief Drone**

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