



Storyboard Options

UAV-Planning for a Disaster Mission

Storyboard Option 1: Delivering Water

Based on the aerial survey video of Disasterville, it has been determined that the water supply has been destroyed and we need to transport water to the town. The UAV can carry water containers to a safe landing zone near the town. Each container can carry enough water for 10 people that should last 3 days. The population of Disasterville is 120 people. As part of your storyboard, design a container with a spigot or siphon so that the water can be easily removed upon delivery to the safe landing zone.

Storyboard Option 2: Delivering Medical Supplies

Based on the aerial survey video of Disasterville, doctors have decided that medical supplies need to be delivered to the town. The UAV can carry medical supplies to a safe landing zone near Disasterville. On your storyboard, design a canvas bag that can hold medical supplies for delivery to Disasterville.

Storyboard Option 3: Rescuing Injured People

Based on the aerial survey video of Disasterville, doctors have decided that several people need to be evacuated to a hospital for emergency medical treatment. Design a stretcher that can hold patient so they cannot move. The stretcher should have a canvas cover to keep the patient out of the wind. The stretcher should be like a hammock so the patient is held in the stretcher by straps and gravity. Assume that injured people can be transported to a safe landing zone near the town where the UAV will pick them up.