

HUMANITARIANS IN THE SKY

An aerial photograph showing a coastal town that has been severely damaged by a disaster, likely a typhoon. The foreground and middle ground are covered in a vast field of debris, including twisted metal, wood, and household items. Several palm trees remain standing amidst the wreckage. In the background, there are mountains under a cloudy sky with a bright light source, possibly the sun setting or rising. A small helicopter is visible in the upper right portion of the sky.

@PatrickMeier, PhD | UAViators.org





Copyright
1917
S. S. LAWRENCE CO.
Chicago

PHOTOGRAPH OF
SAN FRANCISCO IN RUINS
FROM LAWRENCE CAPTIVE AIRSHIP
2000 FEET ABOVE SAN FRANCISCO BAY
OVERLOOKING WATER FRONT.
DUSTY OVER BILLYE HATE.



CYCLONE PAM - 2015

UAVIATORS

World Bank Activation



heliwestGROUP

X-craft

Field Based Surveys

- Time Consuming
- Data Quality Issues
- Limited Perspective



Aerial Needs

- Fully Destroyed
- Partially Damaged
- Largely Intact





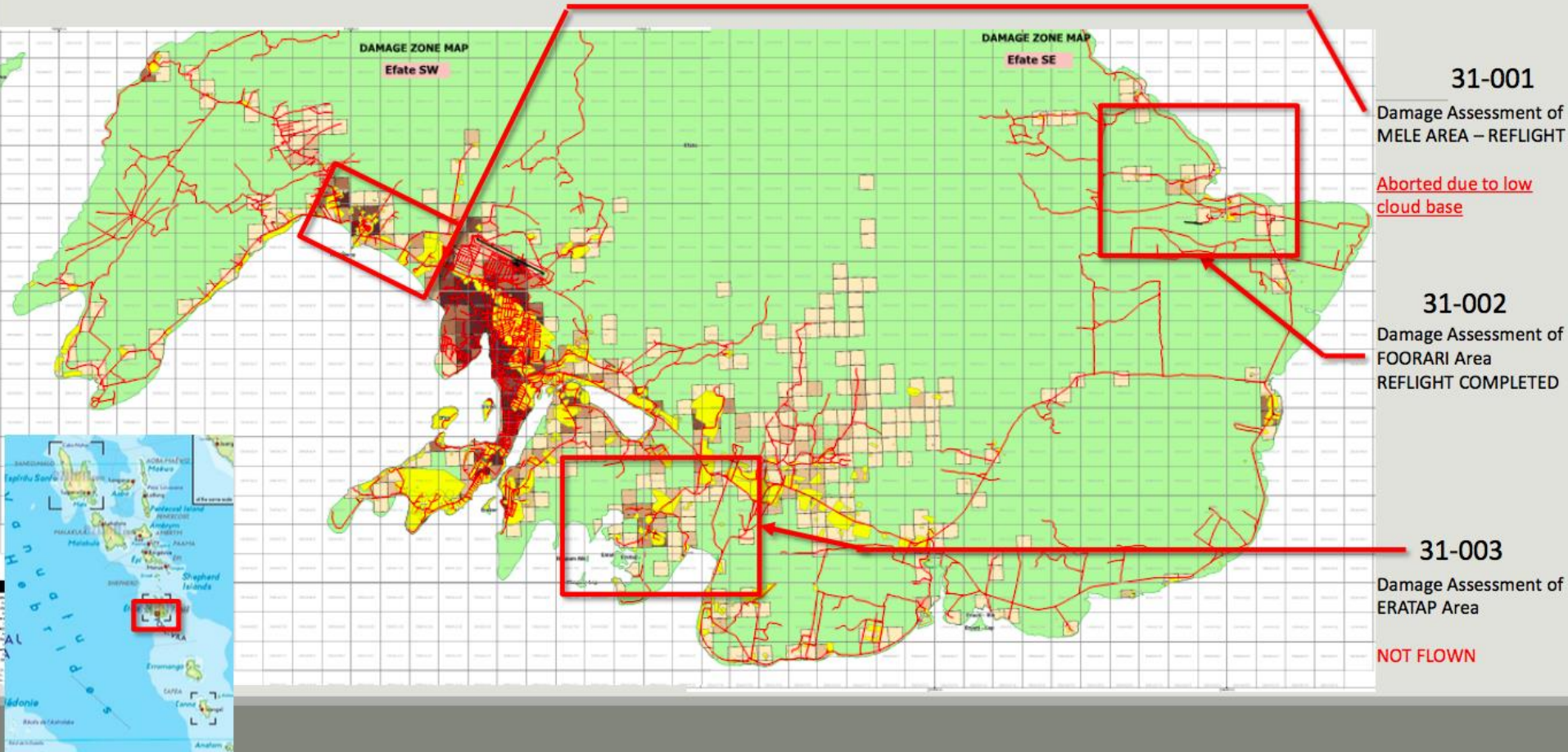


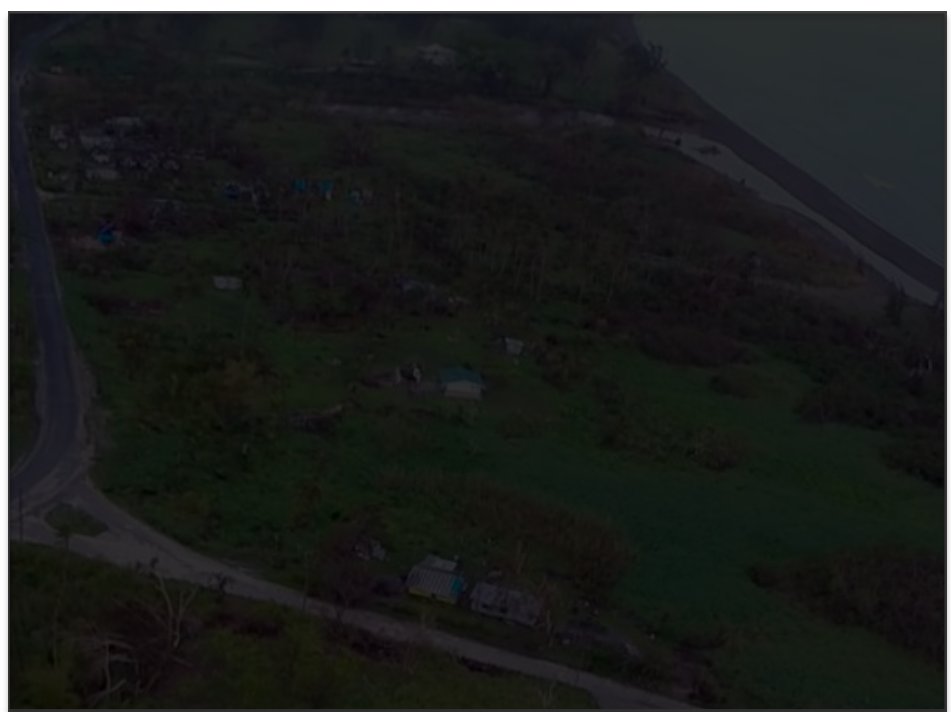
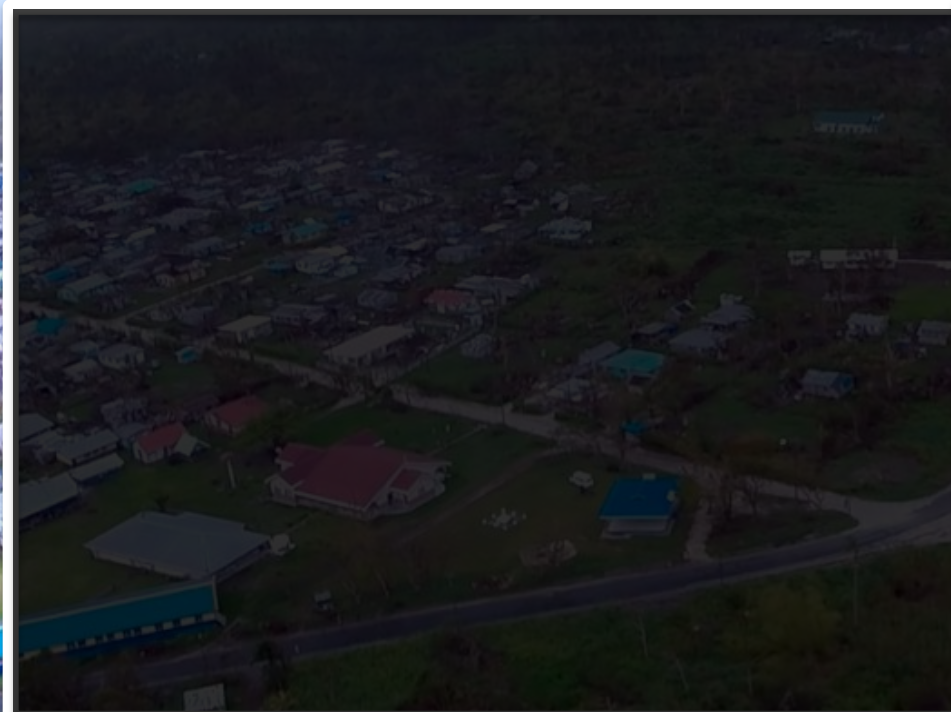




Humanitarian UAV Flight Plans

TUESDAY 31 MAR 15 – PLANNED UAV FLIGHTS – **COMPLETED**





MicroMappers



DRAW



EDIT



SAVE



DELETE







NEPAL EARTHQUAKE

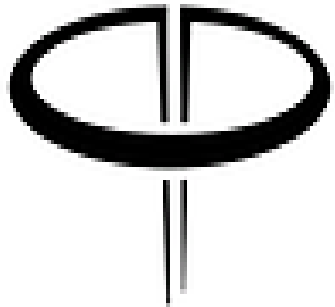


Nepal UAV Missions: iRevolutions.org

Aerial Needs

- Search & Rescue
- Disaster Damage
- Logistics Support
- Heritage Sites
- Body Recovery
- Landslide Risks

INDEPENDENT UAV TEAMS



HALODROP



SKYCATCH



QUIDICH

GLOBALMEDIC



MEDAIR

EMERGENCY RELIEF AND RECOVERY



eBee



DJI Inspire



DJI Phantom 2



Aeryon Scout

UAVIATORS

Code of Conduct & Best Practices



UAViators.org/docs

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HUMANITARIAN UAV NETWORK

CIVIL AVIATION AUTHORITY OF NEPAL

FLIGHT OPERATIONS DIRECTIVES NO. 07
MAY 2015

This Flight Operations Directives No.7 has been issued in accordance to the power conferred by Rule 82 of CAAN, Civil Aviation Regulation, 2058. The purpose of this Directive is to regulate and systematize the operations of UAVs within the territory of Nepal.

1. General

The term UAV is an abbreviation of Unmanned Aerial Vehicle, meaning aerial vehicles which operate without a human pilot. For the purpose of clarity, UAVs are categorized as “small” and “large”. This Directive is issued for the regulation of small UAVs that weigh less than 20 kgs. This note provides an introduction to the use of Unmanned Aerial Vehicles (UAVs), more commonly known as “drones”. These are remotely piloted aircraft that range from simple, hand-operated systems to high altitude, long endurance systems similar in operation to small aircraft.

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Crowdsourced Crisis Map

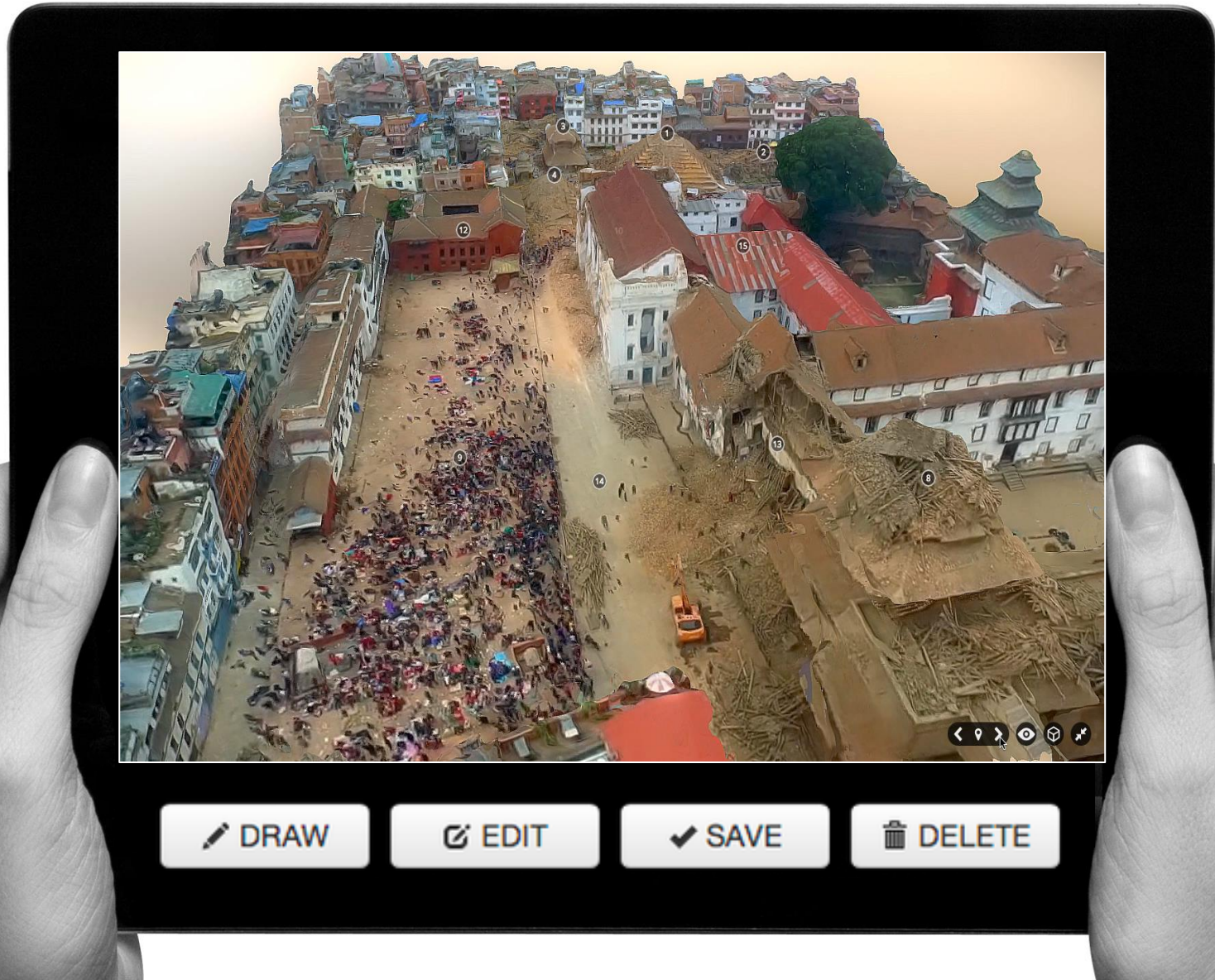
The screenshot displays the UAVIATORS Crowdsourced Crisis Map interface. The top header features the UAVIATORS logo and the text "HUMANITARIAN UAV NETWORK". On the right side of the header, there is a location pin icon and a button labeled "ADD".

The main content area is a map, which is currently dark and mostly obscured. To the left of the map, there is a list of crisis events, each preceded by a small UAVIATORS logo icon. The events listed are:

- Gaza City, Israel
Sep 2, 2014 1:45 AM
- California, United States of America
Aug 26, 2014 8:20 PM
- Yunnan, People's Republic of China
Aug 25, 2014 9:13 PM
- Yunnan, People's Republic of China
Aug 24, 2014 8:28 PM
- Sichuan, People's Republic of China
Aug 24, 2014 8:26 PM
- Washington, United States of America
Aug 18, 2014 1:06 AM
- Oregon, United States of America
Aug 18, 2014 1:05 AM
- Taiwan
Aug 18, 2014 1:02 AM
- Jamaica
Aug 18, 2014 12:54 AM

On the right side of the map, there is a search icon (magnifying glass) and a list of locations: Kiribati, Tokelau, American Samoa, and Tonga. At the bottom of the map, there are labels for "Islands (Malvinas)" and "Georgia and South".

MicroMappers



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HUMANITARIAN UAV NETWORK



UAViators.org



NEW ZEALAND
RED CROSS



AIRDROIDS



UAVIATORS

International Experts Meetings



July 2015

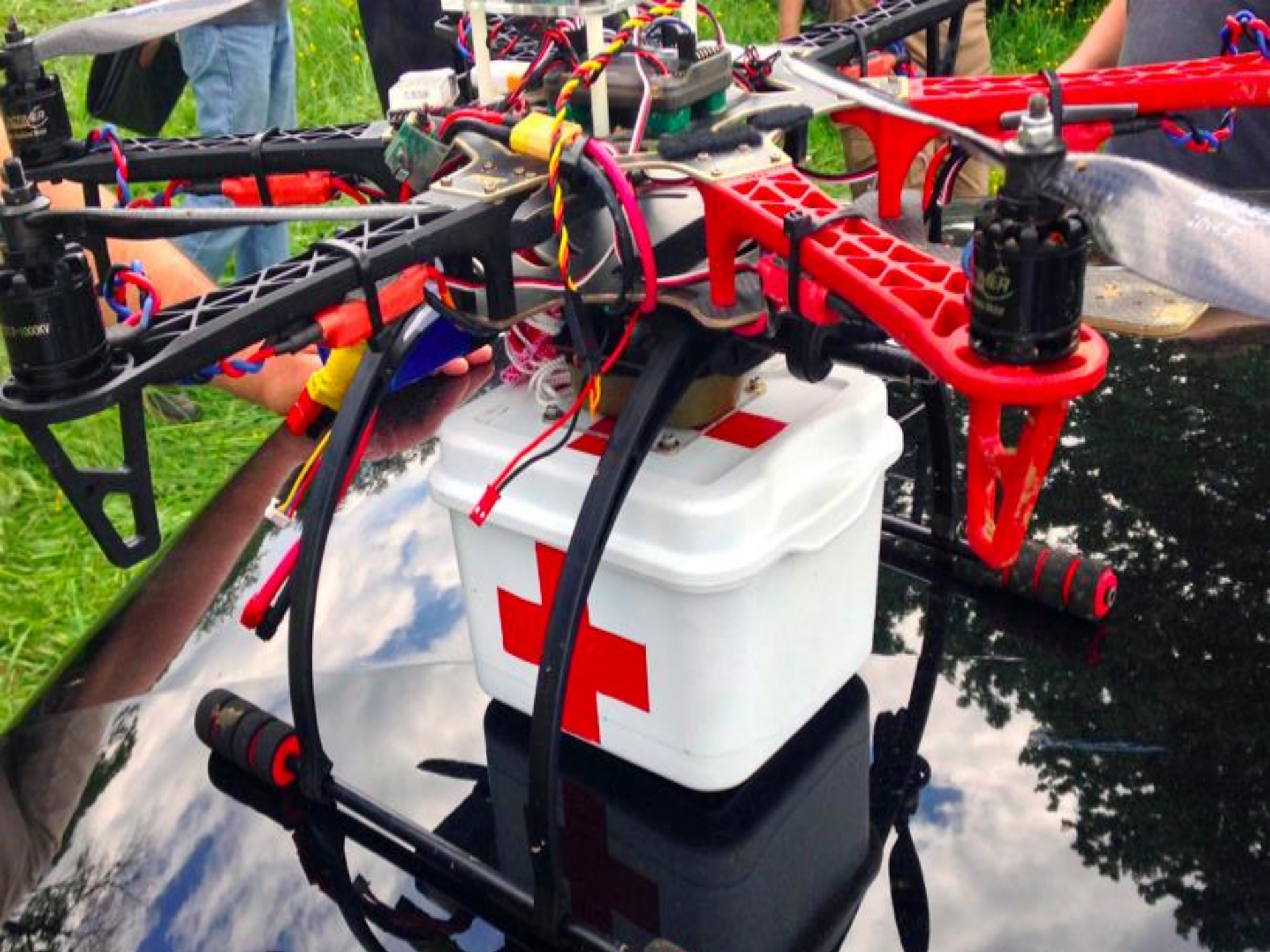


October 2015

UAVIATORS

Training & Certification





use cases:

1. UAV-communications networks
2. wearable - early warning two-way COMMS
3. smart homes - II
4. 3D printing - community supplies
5. 3D printing - water filters
6. Biometrics - family reunification

San Francisco

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Humanitarian UAV Award

