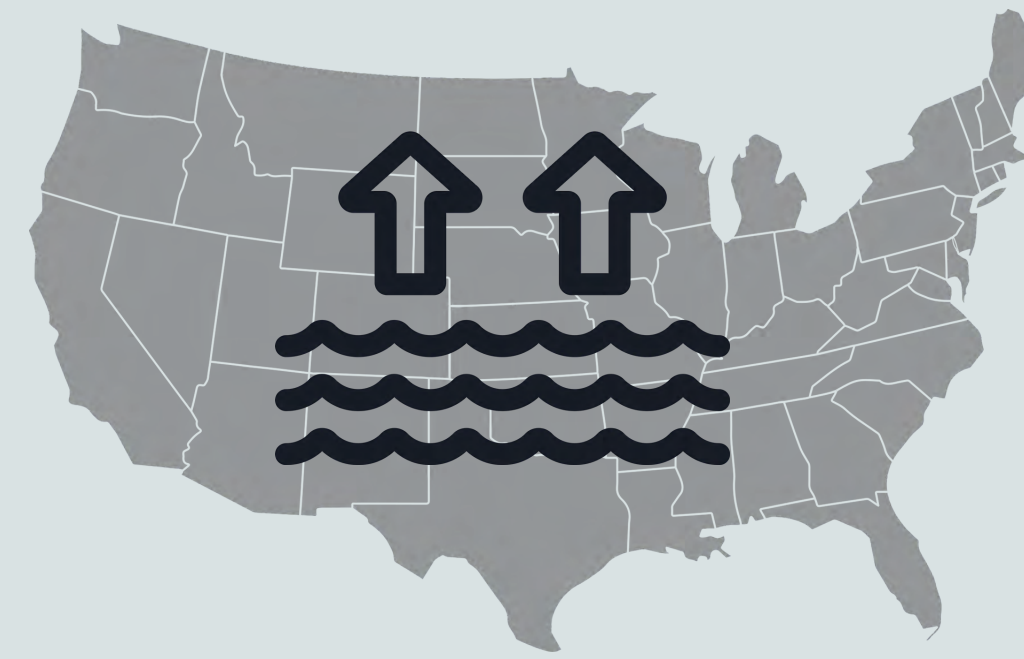
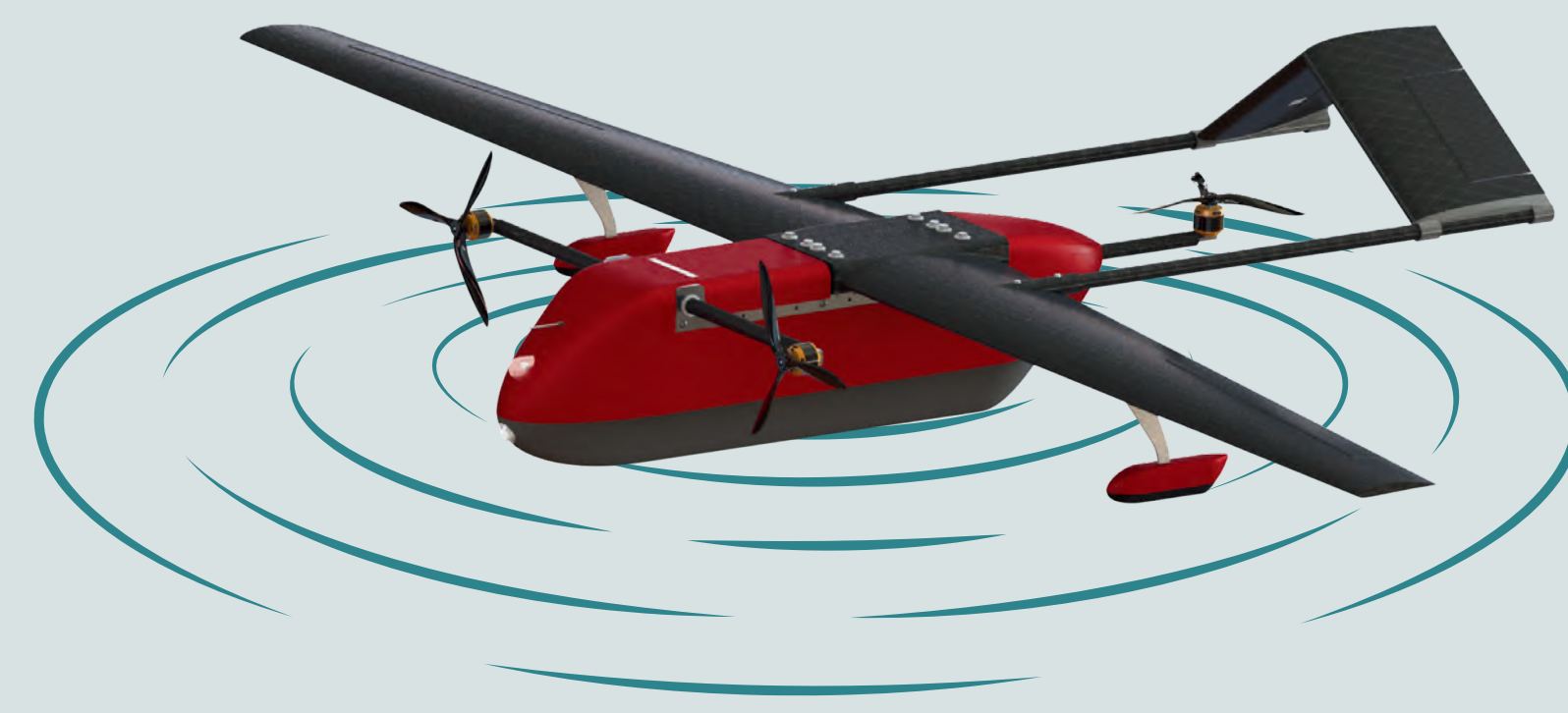


REACHR

RECONNAISSANCE AND EMERGENCY AIRCRAFT FOR CRITICAL HURRICANE RELIEF

MULTI-MODE UAV

- Vertical Take Off and Landing (VTOL) mode eliminates the need for a runway
- Unmanned Surface Vehicle (USV) technology for water landing and surface operations
- Conventional flight mode for long-range and high-endurance missions
- Transition mode for switching from vertical flight to cruise flight



300
Floods per year
in the US,
affecting
Millions

AI ROUTE PLANNING

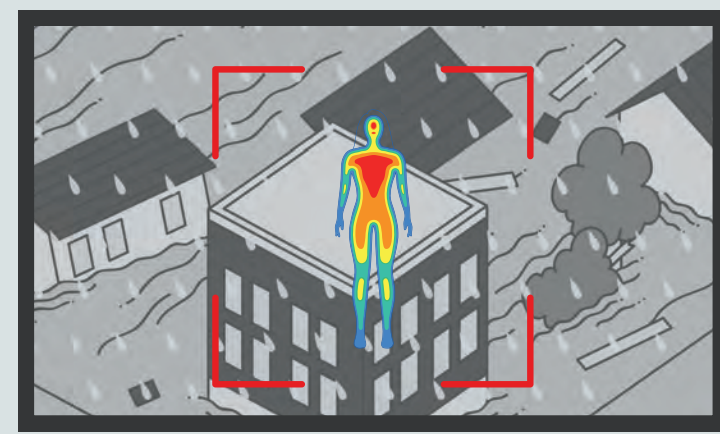
- Deploys sensor systems to gather data about affected area
- Equipped with advanced avionics, surveillance tools, object recognition, and GPS tracking
- AI software processes sensor data for rapid rescue plan, analyzing information to assess victims and conditions



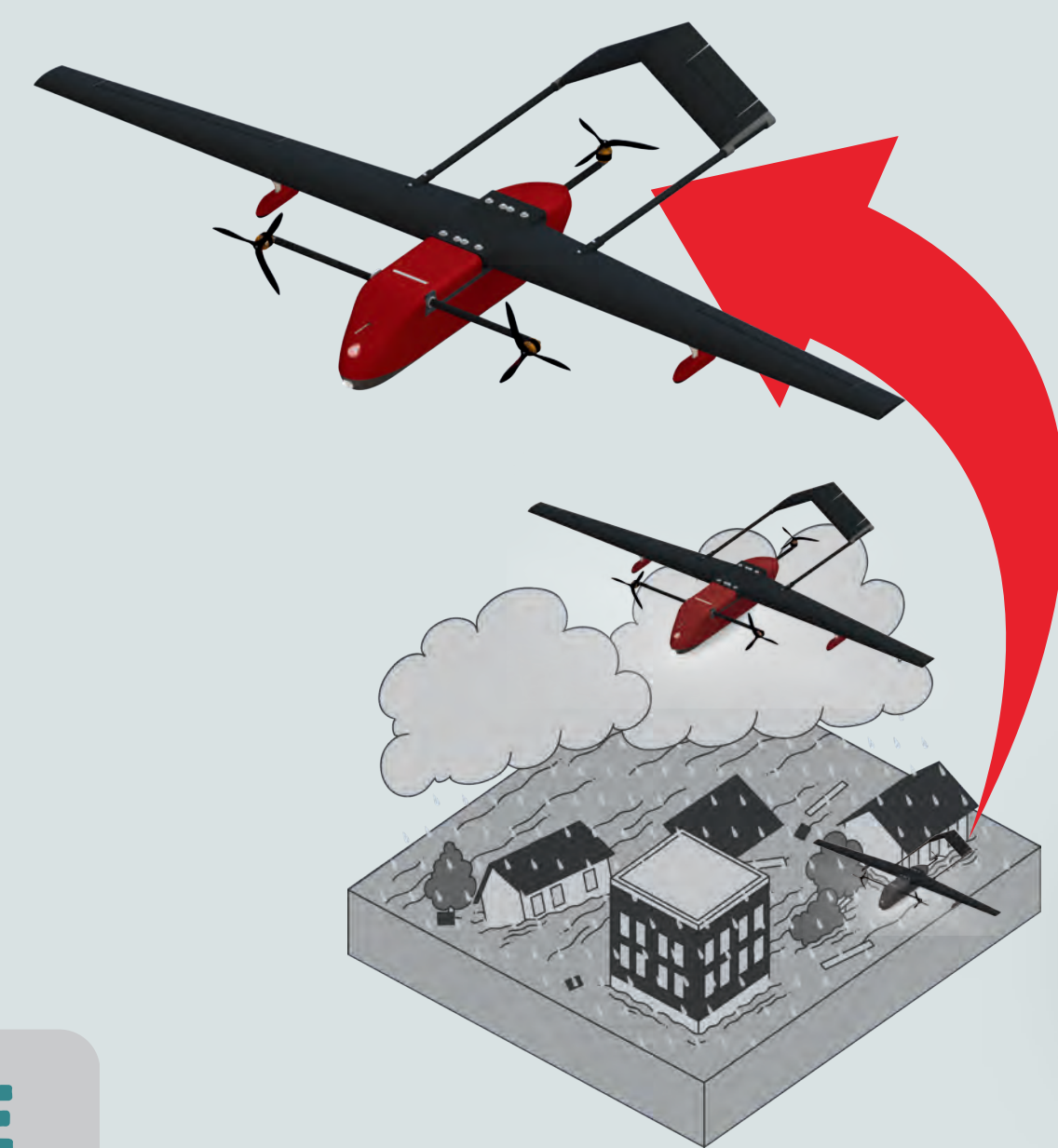
FIRST RESPONDER SAFETY

- Enhances safety for first responders by decreasing physical presence in hazardous zones
- Reduces the need for manned aircraft in high-risk or hard-to-reach areas

FINDER system detects heartbeats beneath debris or within structures

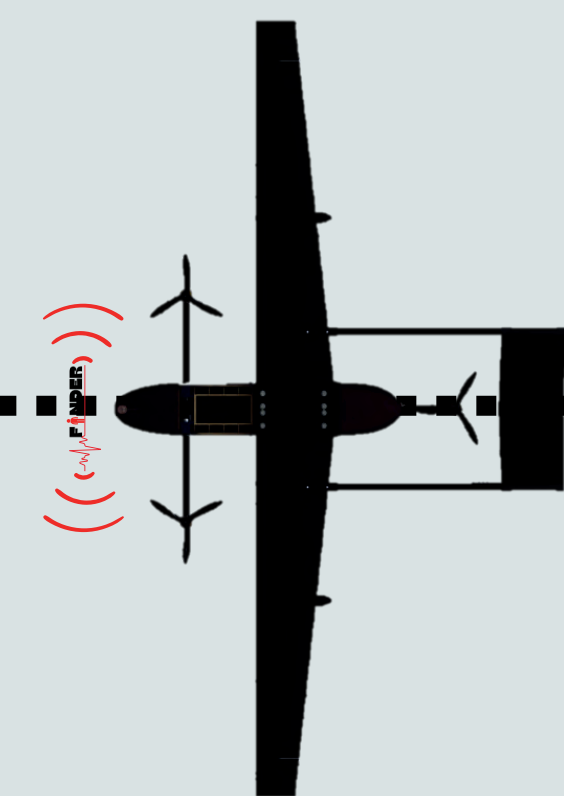


LiDAR precisely maps the terrain and identifies potential hazards



ENHANCED SEARCH AND RESCUE

- Detects heartbeat and breaths under debris or in buildings to locate survivors
- Provides rapid data analysis for developing effective rescue plans
- Enables route planning to avoid hazards, increasing safety and efficiency



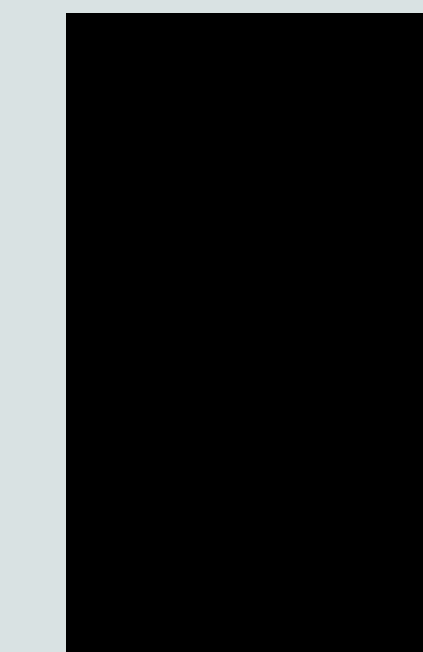
MOBILE RELAY TECHNOLOGY

- Mobile relay provides extended communication range in remote or disaster-stricken areas
- Helps maintain communication with ground crews and rescue teams in challenging terrains
- Ensures reliable and uninterrupted data transmission for critical updates and coordination



Operational Cost

\$500,000



Current Systems

\$100,000

REACHR



Solar Charging
Battery Powered
Aerodynamically Efficient

INTEGRATED WEB SERVICES

- Integrated web service facilitates real-time coordination among rescue teams
- Allows for centralized communication and data sharing
- Enables quick dissemination of critical information to relevant parties

