

# COORDINATE

RESCUE IN REAL TIME



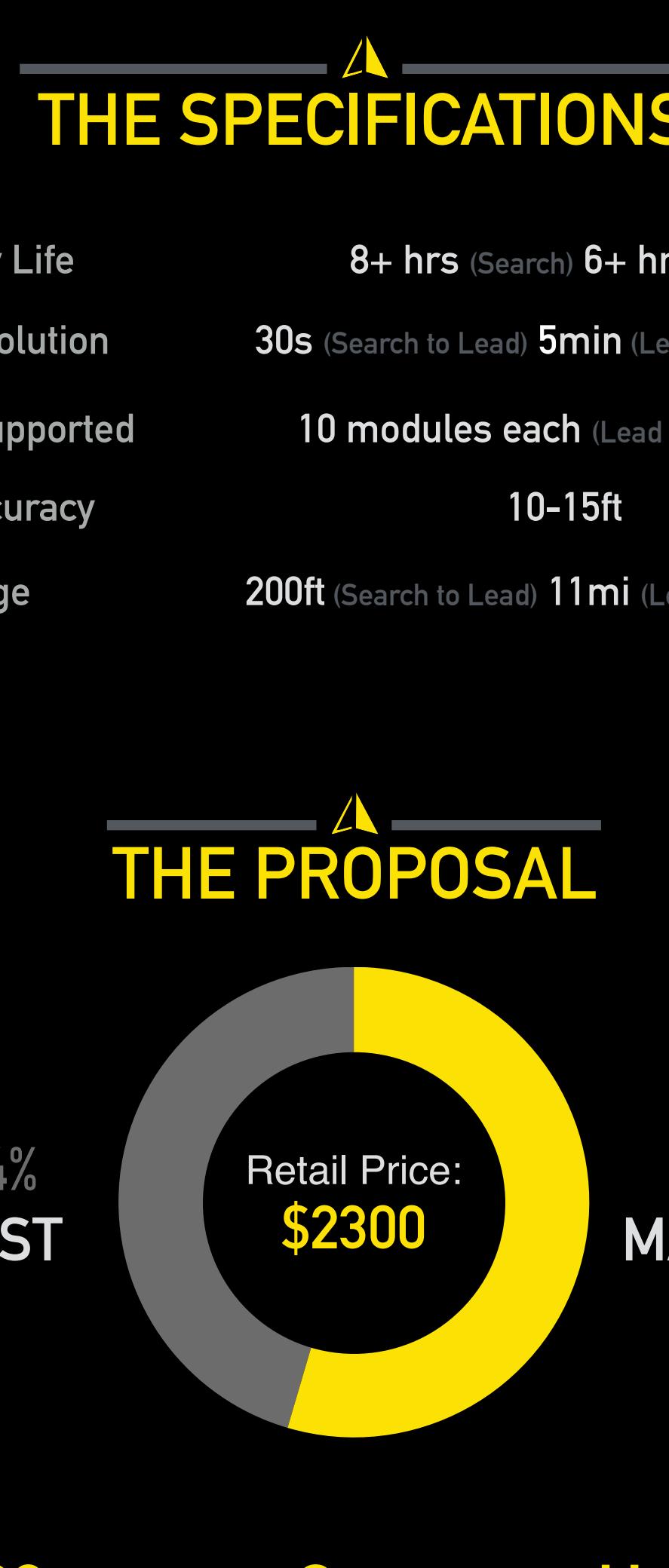
A three-device system that provides **real-time feedback** for search and rescue teams, optimizing a life saving operation

## THE PROBLEM

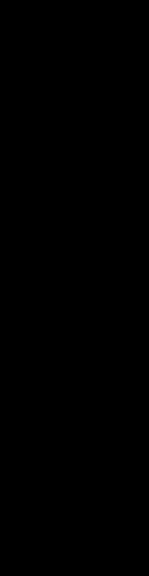
Life expectancy of an injured survivor decreases by 80% in the first 24 hours.

Time is of the essence.

## THE PRODUCTS



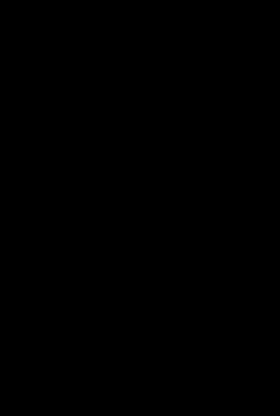
Three devices for three distinct roles within a search and rescue mission



Search



Lead



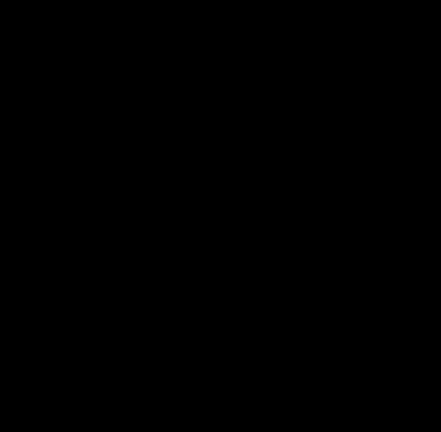
Command

### SEARCH

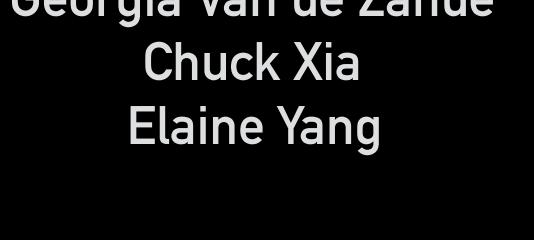


- Large button for waypoint marking
- LED battery life indicator
- Low power mesh radio communication
- Integrated GPS module

### COMMAND



- Laptop connectivity
- On-screen team visualization
- High power radio communication



- Georgia Van de Zande
- Chuck Xia
- Elaine Yang

## ON-SCREEN

Map

Download

Zoom In/Out

Map Toggle

(Topographical and Satellite)

Lead and Searcher Device Tracking

Device/ Waypoint Menu

Add Waypoint Description (Lead Only)

POI: searcher2  
42.3586 N, -71.097 W  
Time marked: 19:00

POI: searcher2  
42.3586 N, -71.097 W  
Time marked: 19:00

## THE SPECIFICATIONS

Battery Life

8+ hrs (Search) 6+ hrs (Lead)

Data Resolution

30s (Search to Lead) 5min (Lead to Command)

Devices Supported

10 modules each (Lead & Command)

GPS Accuracy

10-15ft

Range

200ft (Search to Lead) 11mi (Lead to Command)

## THE PROPOSAL

44% COST

56% MARGIN

Retail Price:  
**\$2300**

### 1,500

Search and rescue organizations nationwide

SEARCH

COMMAND

LEAD

THANK YOU

INSTRUCTORS

MENTORS

PAPPALARDO STAFF

SPECIAL THANKS TO

THE YELLOW TEAM

CONTACT US AT:

COORDINATE@MIT.EDU

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