



MineSweeper

How might we reduce the cost of humanitarian demining for NGOs?



1 deminer is killed and 2 injured per 5000 mines removed



A single landmine: \$3 to make \$1000 to remove



1000 false positives per 1 landmine



Most Affected Nations



Solution

Detect landmines during peak hot and cold hours using a cheap thermal camera

Temperature gradient implemented into a heat map of minefield

Key Insights



Demining is mostly conducted by NGOs due to the weak economies of affected nations



Desert sand heats up and cools down much faster than metal

↳ Diurnal Temperature Gradient

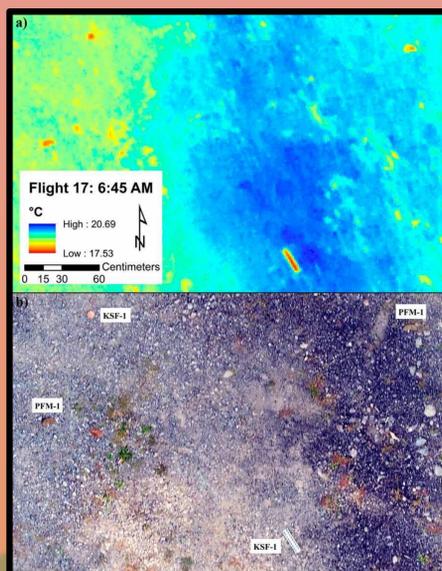
Experiment Result



Image from hunting camera

Conclusion: More sensitive thermal detection necessary

Desired Result



Attach camera to remote control vehicle

↳ Lightweight, easy to replace, requires little training

Early Adopters



Unique Value Proposition

Introducing a supplement to the current demining process that will increase confidence in the location of landmines and decrease false positive



FENIX INSIGHT

FSD



UNMAS



THE HALO TRUST

