FLITTER

The Foldable Litter

Pink B
Our Vision

- A foldable litter to be used in mountain rescue
  - Folds into a 1’ x 2’ pack
  - Detachable frame and bed
Litter
How Litters are Used
Problems with Current Litters

- Transportation
- Use at Night
- Accommodation for Tall Patients
- Navigation of Terrain
What’s Out There

Pro: Collapsible
Con: Not robust

Pros: Foldable, light
Cons: Bulky, too short
Design
Main Features

- Foldable Litter
  - Folds up into a backpack
  - Full range of arm motion while walking
  - Lower center of gravity when folded
- Telescoping frame
- Accordion-folding bed
Additional Features

- Lighting from the bottom of the litter
- Wheels to make transport easier
- Straps/harnesses to free hands while transporting patient
What We Learned

- Concept of foldable litter is feasible
  - Accordion folding bed
  - Telescoping frame
- Material selection for combined rigidity/flexibility is critical
Market

- 84 Mountain Rescue Teams just in the United States
- National Parks
- International Organizations
Questions?