KnapSack

Purple B
Backpack with an integrated tent

Deploys and packs quickly

Saves space and weight

Modular design
Technical: Pole Mechanism

- Standard Tent Poles
- Scissor Mechanism
- Supported Hinge
- Locking Hinge
- Telescoping
Technical: Deployment

• Time to deploy and set up
  – One man tent
    • 5-20 minutes
  – The KnapSack
    • Less than 2 minutes

Accordion Tent: 2 Axis Movement

Canopy Structure
Technical: Deployment

- Time to deploy and set up
  - One man tent
    - 5-20 minutes
  - The KnapSack
    - Less than 2 minutes

Accordion Tent: 2 Axis Movement

Canopy Structure
Market

• Recreational Campers
  – 40M US campers in 2011
  – $737.7M revenue on backpacks and tents
• Military
  – 150,000 troops deployed in 2011
  – $3M revenue on backpacks and tents
• Search and Rescue

Possible Vendors

• Sporting Goods Stores: The North Face, REI, NEMO
# Product Comparison

<table>
<thead>
<tr>
<th>Product</th>
<th>North Face: Flint</th>
<th>Jak Pak</th>
<th>Quechna</th>
<th>TentPak</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Final Size</strong></td>
<td>87” x 35” x 40”</td>
<td>84” x 39.5” x 31.5”</td>
<td>-</td>
<td>Variable</td>
</tr>
<tr>
<td><strong>Pack Size</strong></td>
<td>20” x 6”</td>
<td>-</td>
<td>24.4” diameter</td>
<td>27” x 14” x 10”</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>3.9 lbs</td>
<td>3 lbs</td>
<td>5.3 lbs</td>
<td>3 – 9 lbs</td>
</tr>
<tr>
<td><strong>Deploy Time</strong></td>
<td>5 – 10 minutes</td>
<td>-</td>
<td>2 sec / 15sec</td>
<td>5 – 10 minutes</td>
</tr>
<tr>
<td><strong>Price</strong></td>
<td>$149.00</td>
<td>$199</td>
<td>$90</td>
<td>$200-500</td>
</tr>
</tbody>
</table>
Next Steps

- Working on compact-ability