Product Vision

Stair Chair + Scoop Stretcher = SafeRyde
User Research

- Boston EMS gets over 100,000 calls per year.
  - Lt. Bill Lessard

- “A lot of emphasis [in transporting a patient] is placed on tracking time. We never want to waste time on scene.”
  - MIT EMT

- “If [your product] can replace having to carry the [scoop] stretcher and stair chair, we can justify purchasing [your product].”
  - MIT EMS Chief
Market

• $1.5 billion total global stretcher market in 2016
• Targeting scooper stretcher and stair chair market, which is 25% of global stretcher market

Price Estimate:
$2000

Stryker Stair Chair: $2500
Scoop Stretcher: $500
# Product Contract

<table>
<thead>
<tr>
<th>Customer Need</th>
<th>Product Attribute(s)</th>
<th>Engineering Specification(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can be easily carried</td>
<td>Weight</td>
<td>Total weight &lt; 35 lbs</td>
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<tr>
<td>Can support heavier patients</td>
<td>Strength</td>
<td>Maintains integrity while bearing 225 lbs</td>
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<tr>
<td>Can go up and down stairs</td>
<td>Staircase Capability</td>
<td>Can navigate stairs using treads in both positions when guided by two people</td>
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<tr>
<td>Saves time in transporting patient from scene to ambulance</td>
<td>Time</td>
<td>&lt; 4 mins to configure orientation and transport 125 lb mass down one flight of stairs</td>
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<tr>
<td>Easily stored in the ambulance</td>
<td>Size</td>
<td>Height &lt; 72”, width &lt; 20.5”, folded position depth &lt; 8”</td>
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<tr>
<td>Safe for the patient during transport</td>
<td>Stability</td>
<td>Remains balanced with 135 lb mass shifted 5” to either side from the center</td>
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Critical Question 1

How does SafeRyde convert between a stair chair and a scoop stretcher?

• Discussed in Q&A
Critical Question 2

Would SafeRyde be more efficient than the current method?

- Current Method: 6:43
- SafeRyde: 3:40
Moving Forward

• Folding of bottom legs to allow for compact storage

• Adding treads and wheels to navigate stairs and allow mobility

• State regulations