Global Problem

3 million newborns die within the first 28 days of life every year.
90,000 newborn deaths per year in Ethiopia

50% are related to breathing insufficiency
The Technology

$5,000
The **Local Technology**
PremieBreathe provides life-saving breathing support to premature and newborn infants.
Our **Technology**

Heated: 32°C
Humidified: 90-95% Relative Humidity
High-Flow: 0-10 Liters Per Minute
<table>
<thead>
<tr>
<th>Feature</th>
<th>Piped O₂</th>
<th>Water Bottle</th>
<th>Pmumani CPAP</th>
<th>Fisher &amp; Paykel Healthcare</th>
<th>PremieBreathe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humidified</td>
<td>✗</td>
<td>✔</td>
<td>✗</td>
<td>✗</td>
<td>✔</td>
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<tr>
<td>Warmed</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✔</td>
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<tr>
<td>Blended O₂</td>
<td>✗</td>
<td>✗</td>
<td>✔</td>
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<tr>
<td>Sterile Water</td>
<td>✗</td>
<td>✗</td>
<td>✔</td>
<td>✗</td>
<td>✔</td>
</tr>
<tr>
<td>Safe</td>
<td>✗</td>
<td>✗</td>
<td>✔</td>
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<tr>
<td>No Consumables</td>
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<td>✗</td>
<td>✗</td>
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<tr>
<td>Breastfeeding</td>
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<td>✔</td>
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<td>✗</td>
<td>✔</td>
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<tr>
<td>Cost</td>
<td>Free</td>
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<td>$350</td>
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Ethiopian Partners

Federal Ministry of Health

Mekelle University & Ayder Hospital

Armauer Hansen Research Institute
Funding Partners

SAVING LIVES AT BIRTH:
A GRAND CHALLENGE FOR DEVELOPMENT

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