Mission

Dedicated to being the world leader in the safe, clean, affordable production of medical tracers and cancer treatment elements.
Proven Technology

ACCELERATOR (ELIMINATES REACTOR)

+ 

RE-USABLE LIQUID TARGET

= 

SAFER

100x LESS WASTE

LOWER COST
## Every Part of the SHINE Process Demonstrated

<table>
<thead>
<tr>
<th>Step</th>
<th>Demonstrated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accelerator</td>
<td>✓</td>
</tr>
<tr>
<td>Target Solution Irradiation</td>
<td>✓</td>
</tr>
<tr>
<td>Processing</td>
<td>✓</td>
</tr>
<tr>
<td>Generator loading</td>
<td>✓</td>
</tr>
<tr>
<td>Generator elution</td>
<td>✓</td>
</tr>
<tr>
<td>Kits</td>
<td>✓</td>
</tr>
</tbody>
</table>
Three signed customer contracts
Nuclear Regulatory Commission construction approval

- Issued Feb 2016
- Culmination of 4 years of work
- First approval of its kind since 1961
Building One: First building on the SHINE campus

- Construction complete Q1 2018
- Integrated equipment demo Q4 2018
- Future use for employee training and technology development
Building One Construction

- Groundbreaking August 2017
- Completed 3 weeks ahead of schedule
- Zero OSHA-recordable incidents
- 11,400 square feet
- Licensed by State of Wisconsin
**Production Facility Design**

- Janesville, Wisconsin
- Mo-99 capacity >4,000 6-day Ci/week
- Xe-133, I-131, Lu-177, Sr-89, others
- 8 independent irradiation units accelerators
  - High reliability
  - Flexible production schedule
- Close to regional airport; designed for logistical efficiency

<table>
<thead>
<tr>
<th>&lt;50,000</th>
<th>8</th>
<th>3</th>
<th>&gt;2/3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Square Feet</td>
<td>Accelerators</td>
<td>Independent Hot Cell Chains</td>
<td>Annual U.S. Demand Met*</td>
</tr>
</tbody>
</table>
Preparing to Build

- Baker Concrete chosen as the prime construction contractor
- Negotiating rebar and concrete contracts
- Adding to QA team
- Starting long-lead procurement
- Submitted blueprints to City for local permitting
Next Steps

- Industry-leading progress
- Current key activities
  - Preparing OL application
  - Preparing for start of construction
  - Building One first production unit demo
  - Negotiating additional supply agreements
  - 80 employees; 20 new hires before the end of the year
- First production late 2020/early 2021
Questions?