



SHINE Update

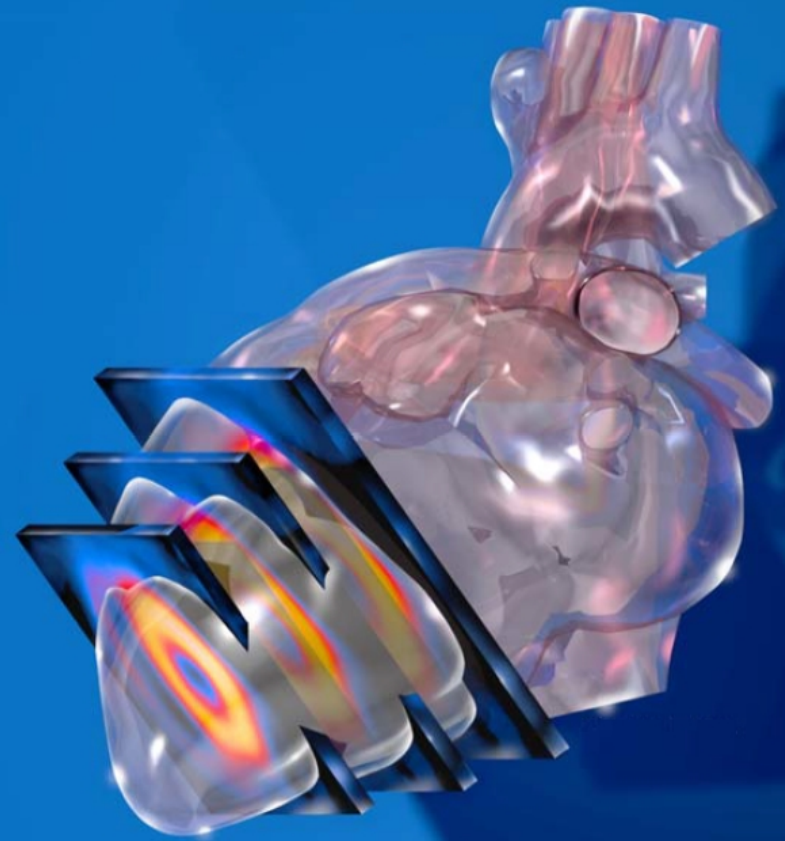
Katrina Pitas – VP, Business Development

SHINE Medical Technologies | October 18, 2018

Health. Illuminated.™

Mission

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



Proven Technology

Technology proven
by US National
Laboratories and
GE Healthcare



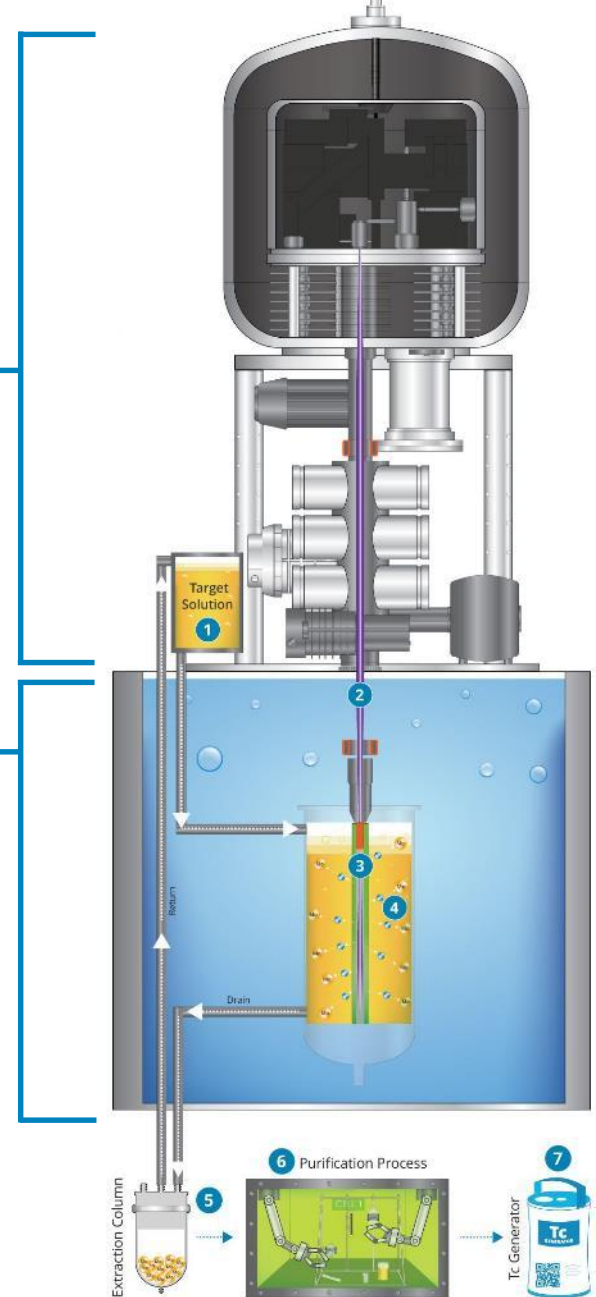
**ACCELERATOR
(ELIMINATES
REACTOR)**



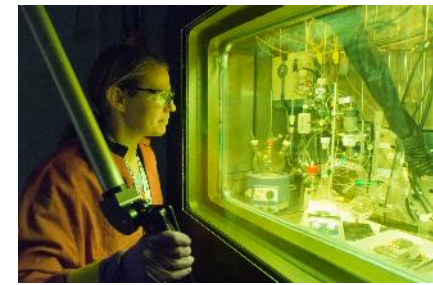
**RE-USABLE
LIQUID TARGET**



**SAFER
100x LESS WASTE
LOWER COST**



Every Part of the SHINE Process Demonstrated



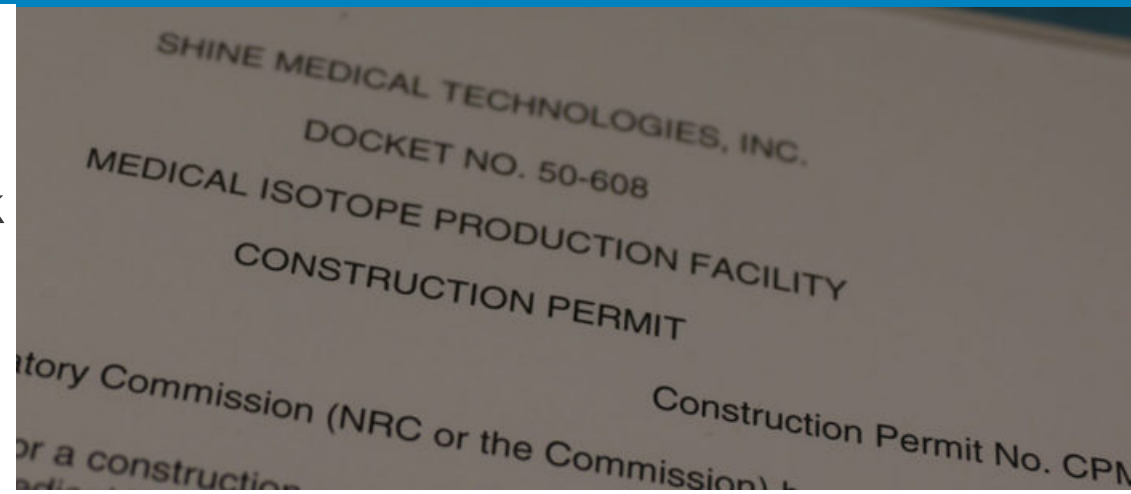
Step	Demonstrated?
Accelerator	✓
Target Solution Irradiation	✓
Processing	✓
Generator loading	✓
Generator elution	✓
Kits	✓

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



SHINE Construction Permit Signing Ceremony

February 29, 2016

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

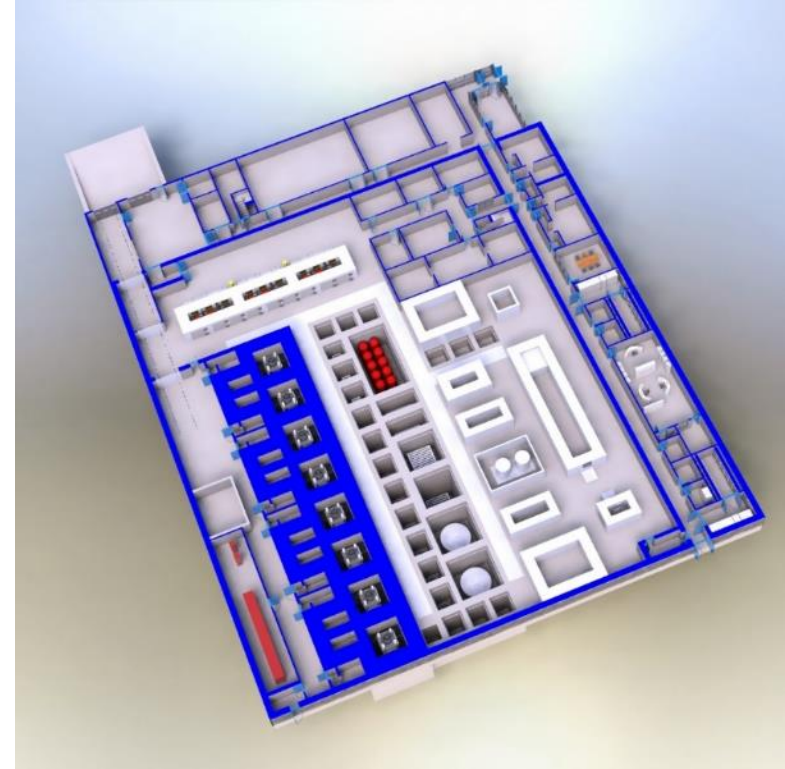
Building One Construction

- 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



<50,000

Square Feet

8

Accelerators

3

Independent
Hot Cell Chains

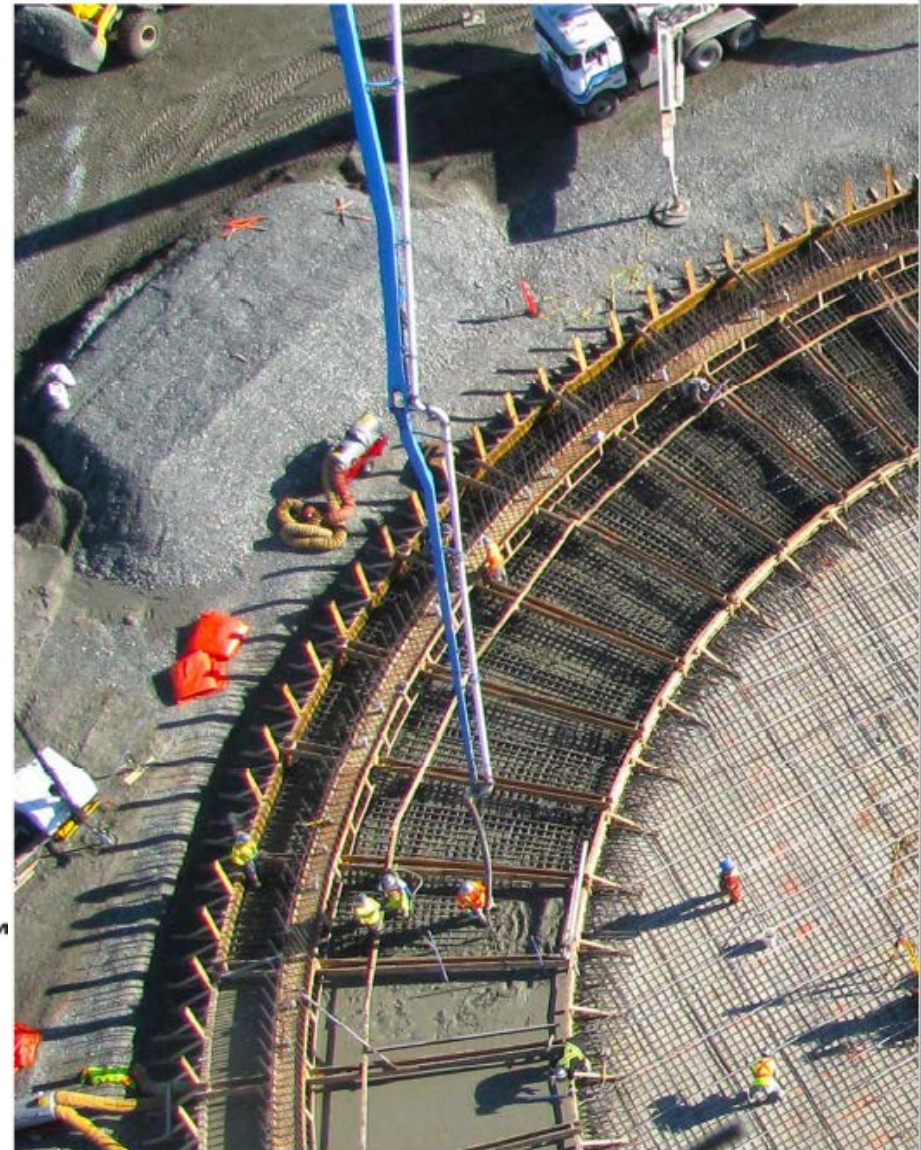
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Annual U.S.
Demand Met*

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

BAKERTM
CONCRETE CONSTRUCTION
expect more



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?

