

**Sublime** is raising funds to develop a freeze-drying machine\*, and process that will allow pharmaceutical manufacturers to process product 10X faster at 1/4 of the capital costs.

\* Lyophilizer

## proposition

## challenge

#### **Current solutions:**

Shelf-type freeze-dryers

that are big, slow,

produce inconsistent results,

+ expensive to buy and operate

Proprietary Process and Equipment CONTINUOUS FREEZE DRYING OF DRUG AND VACCINE PRODUCTS

## solution

#### **Lower costs**

- 75% less CAPEX
- Lower OPEX
- Small footprint

## advantage

#### **Higher throughput**

Continuous process

#### **Better product**

- Quicker drug reconstitution
- Higher sterility closed system

# market drivers

Generic drug makers — CAGR of 8.7% to \$190B by 2024 in US (1) Competition for revenues expected to increase as patent expirations will draw new players into the space. (2)



Brand name manufacturers — mostly producing in-house to protect IP, are increasingly moving to customization and outsourcing to contract firms. (5)



Both – more product, improved workflows @ less cost

## marketsize

\$3.0B

2021 Global Lyo Drug Market

\$1.2B

2021 US Lyophilized Drug Market

\$300M

2021 Sublime's Portion of the Global Lyo Market

#### Shawn Stimson

Process Architect, Vice-President, and Co-Founder

- 15+ years in pharmaceuticals full-time leadership and consulting roles: Technology Application, Quality & Quality Engineering, Project Management, Compliance, Risk Management, and Validation.
- Bachelor's in Genetic Engineering, with a minor in Chemistry, from Southern Illinois University.

#### Joel Lennon-Meyer

President, and Co-Founder

- 26+ years in leadership, management, and technical roles: Business Management, Project Management, Compliance, Quality, Validation, Remediation, Technology Implementation, and QC-Chemistry.
- Bachelor's Degree in Chemistry, from Iowa State University.

#### Maria Banach

R&D/Operations Director 20+ Years Experience

#### Anita Sabourin

Regulatory Affairs Director 24+ Years Experience

#### Jeff Haughey

Facility Engineering and Design Lead 25+ Years Experience

#### James Johnson

Commercial Marketing and Sales Director 19+ Years Experience



## so to market plan

## prove

invest in support and communication of first commercial unit to achieve reference install

professional referrals events/demos/videos

2 partner

team up with Air Products market teams to approach largest pharmas

develop shared and unique assets

PR/trials/co-events

**3** deliver

leverage experienced sales leadership + contract experts + digital agency talent to move into smaller and medium sized pharmas and contract producers

## competitors

IMA Life LYOMAX Italy

**Continuous processing** 

SP Scientific SP Hull

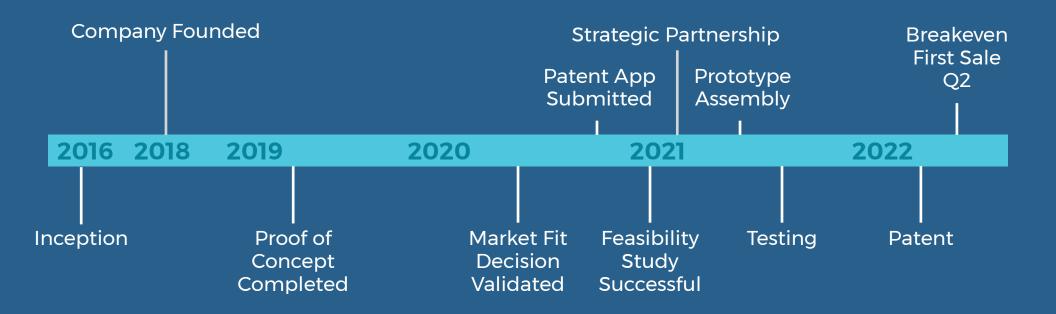
Batch processing via shelves

Telstar GMP
Spain/Japan

Batch processing via shelves



#### planned use of funds



## milestones

## next step

30% of inner circle goal = \$xxxxxxxx

- [offer overview]
- Exit plan is

[Progress with verbals, etc.]

## Thankyou

### business model

#### **Revenue streams:**

