



TURNING SCIENCE INTO BUSINESS

COHITEC









TECHNOLOGY

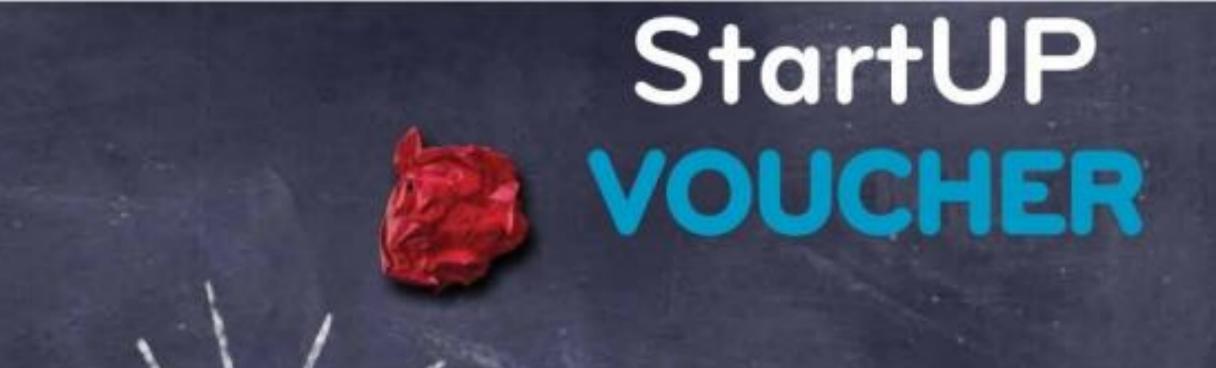
Innovative solid formulation of the sterilant hydrogen peroxide patent pending (U.S. Application Number 62/807,393)

Initial goal: to be used in diabetes or wound healing

Pivot: To develop a compact and simple bio-decontamination device







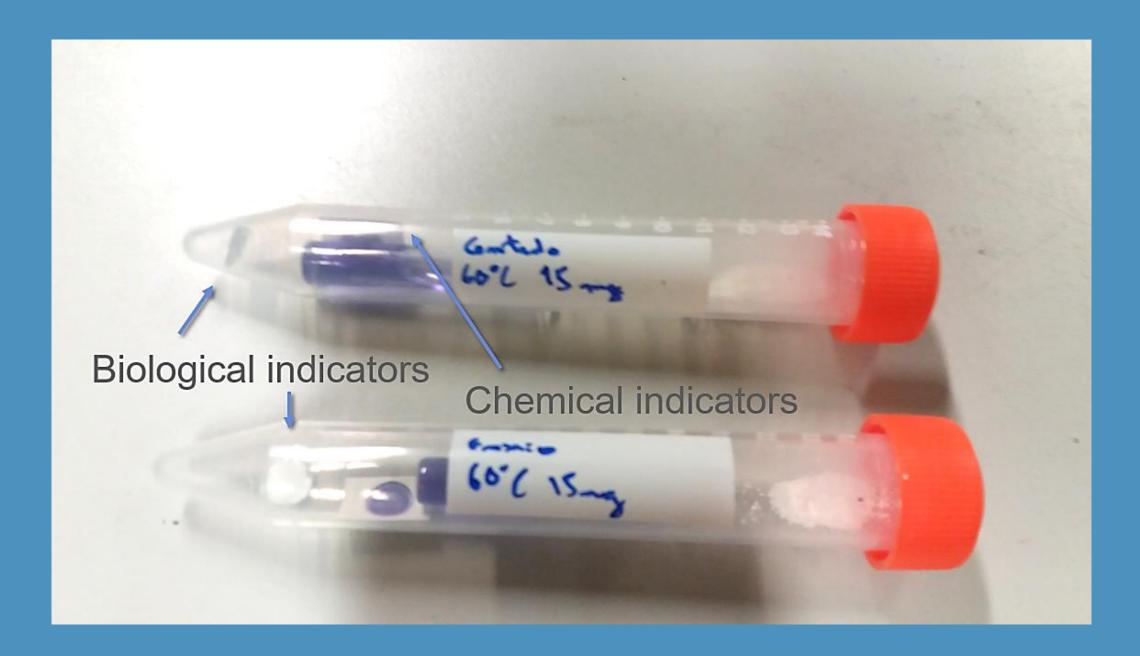
LiSPOILIS

PÓLO TECNOLÓGICO DE LISBOA

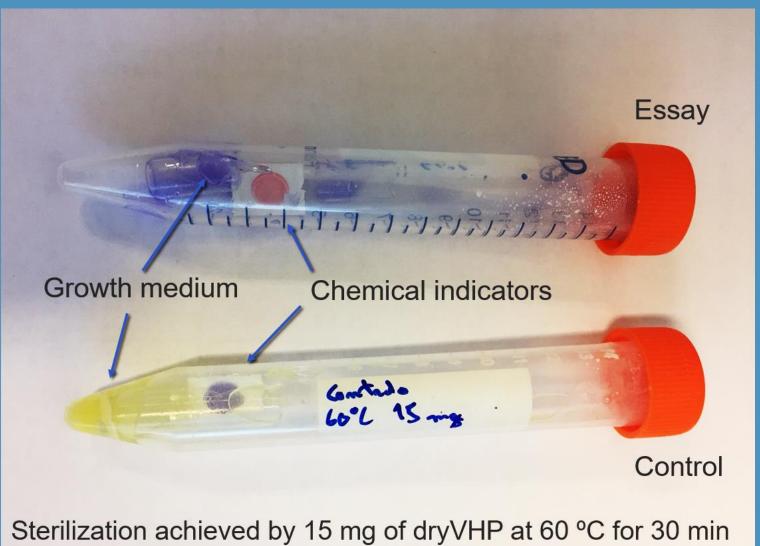












Sterilization achieved by 15 mg of dryVHP at 60 °C for 30 min (control tube without hydrogen peroxide)





Space Exploration Masters

- 2nd place at *Sustainable Exploration Prize* awarded by:
 - European Space Agency
 - Merck
 - Airbus



Hovione Capital for Health.

S Caixa Capital



Seed round funding

- European SpaceAgency
- Venture Capitalists
 - -Caixa Capital
 - -Hovione Capital







DELOX SYSTEM

FOR LABORATORY EQUIPMENT

Device that releases and disperses hydrogen peroxide vapor

Safe and environmentally friendly sterilant

Laboratory equipment bio-decontamination: hospital & compounding pharmacies, laboratories





ROADMAP

Caixa Capital
Hovione Capital
European Space Agency

Target round € 2 M





2019 January

Formulation production scale-up

Provisional patent submitted covering the device

P2020 SME Instruments Ph I 2019 June

Provisional patent submitted covering the formulation

EIT Health

Field test at Laboratory of Bromatology and Biological Defense (Portuguese Army) 2020 January

Call to Orbit- technology validation for Space 4.0

Field test at Techsource Engineering (Erie, USA)



Now what?



Technology startups characteristics

- Harder to be disruptive
 - -When a project is disruptive, it can be a game-changer



Technology startups characteristics

- Harder to be disruptive
 - -When a project is disruptive, it can be a game-changer

 There is always competition, most of the times, established companies



Technology startups characteristics

- Harder to be disruptive
 - -When a project is disruptive, it can be a game-changer

 There is always competition, most of the times, established companies

Social impact



- IP protection
 - Provisional patents provide initial protection and pending patent status



- IP protection
 - Provisional patents provide initial protection and pending patent status

Regulation



- IP protection
 - -Provisional patents provide initial protection and pending patent status
- Regulation
- Validation is crucial
 - —Internal data (PoC)
 - –Patents, papers
 - –Field tests
 - –Letters of support/intent



- Funding requirements
 - —Overall, technology projects require larger funding rounds
 - –Harder to bootstrap
 - –Non-specialized investors may shy away from Tech
 - -Smart money is always a better option



- Funding requirements
 - -Overall, technology projects require larger funding rounds
 - Harder to bootstrap
 - –Non-specialized investors may shy away from Tech
 - -Smart money is always a better option

A longer roadmap means more time to market



 More grants and non-dilutive funding available, especially in Health, Climate and ITs in general



 More grants and non-dilutive funding available, especially in Health, Climate and ITs in general

 Enormous fast-growing global markets that satisfy investors and provide plenty of opportunities for the start-ups



 More grants and non-dilutive funding available, especially in Health, Climate and ITs in general

 Enormous fast-growing global markets that satisfy investors and provide plenty of opportunities for the start-ups

A lot of unicorns!



- More grants and non-dilutive funding available, especially in Health, Climate and ITs in general
- Enormous fast-growing global markets that satisfy investors and provide plenty of opportunities for the start-ups
- A lot of unicorns!
- Social impact



Fadhil Musa fadhilmusa@delox.pt



An automatic bio-decontamination system for everyone, everywhere

















