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Thailand is the 5th worst offender



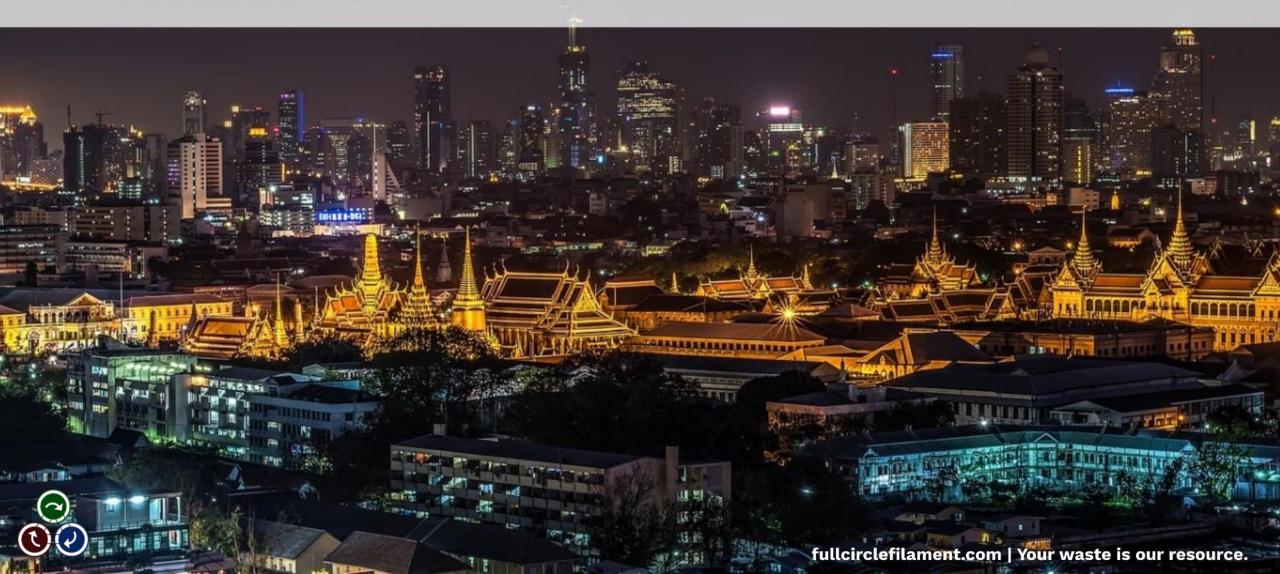






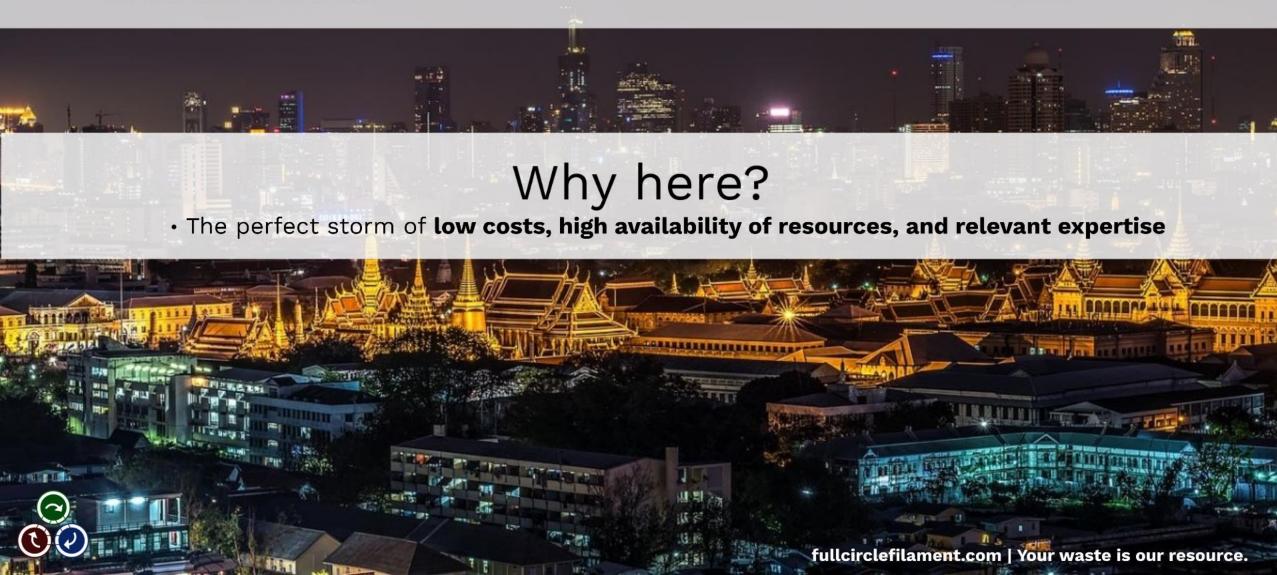
Why this?

• We gain competitive advantage by avoiding commodity markets, while creating social and environmental benefits.



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Why Now?

• 3D printing is experiencing exponential growth (CAGR of 27.1% is expected between 2018 and 2023) and it's expected to grow the fastest in Asia

The High-Level Plan

Getting our Minimum Viable Product (MVP) to market



Step 1 - Complete

 Achieve Proof of Concept

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- · Mkt Research/Branding
- Product Testing
- Team Formation
- Sales Channel Dev
- Fundraising



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Step 3 - Needs Funding

- · Go to Market
- Evolve the Biz

1

2

3

The Requirement: Quality A 2018 survey found the top 3 factors for filament selection were all related to performance. fullcirclefilament.com | Your Waste is Our Resource

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The Requirement: Quality

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Price came in 6th.

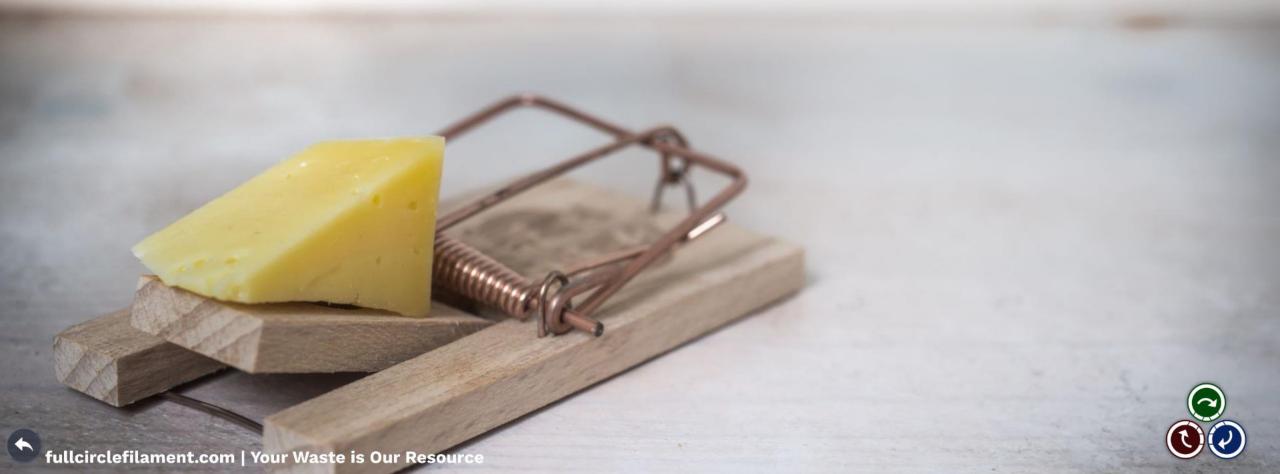
We'll compete on quality with a premium filament that offers the added draw of meaningful benefits to society.



Our Approach

De-risking the Investment

We're outsourcing production initially, to give us a better sense of our market.



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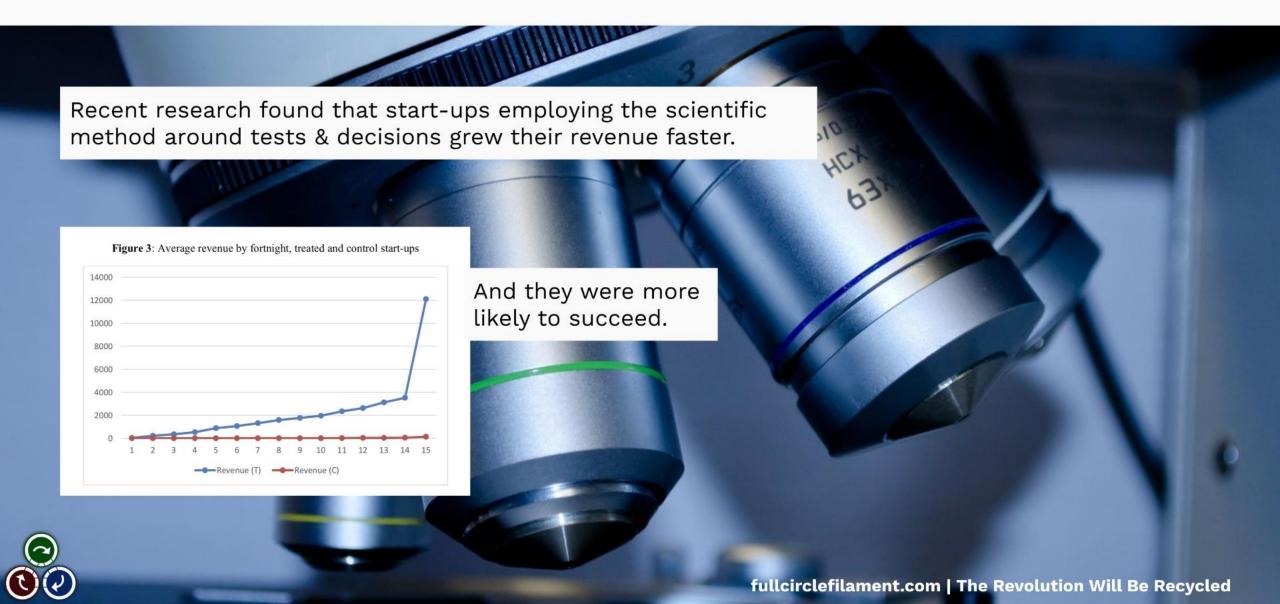
This will give us a smaller margin at first, but we'll gain a better understanding of our CapEx need before we have to spend it.



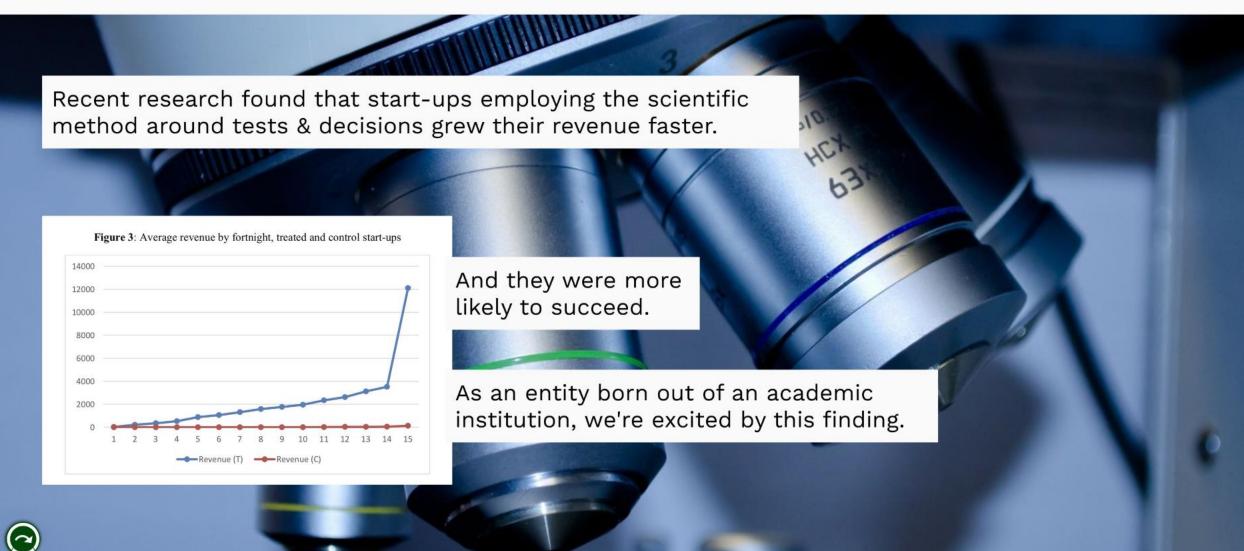
Testing & Validating Decisions



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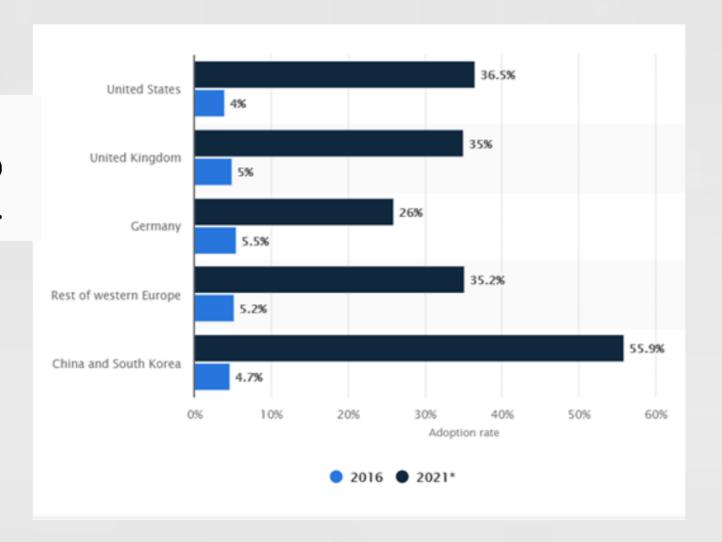


Testing & Validating Decisions



Our Moment

These are actual (2016) and expected (2021) 3D printing adoption rates.

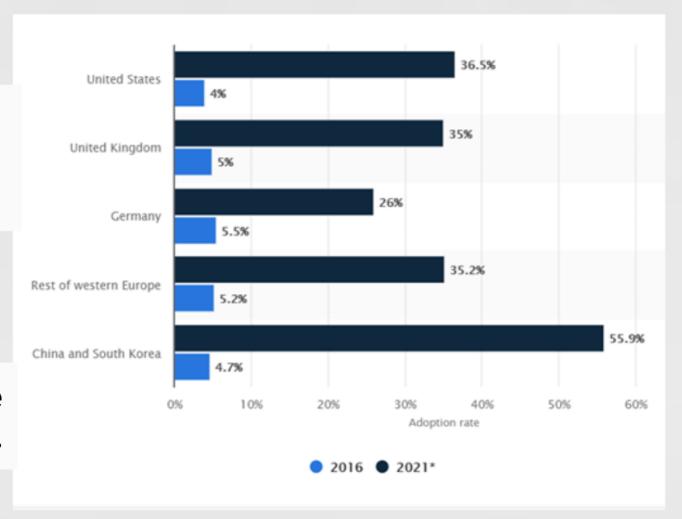




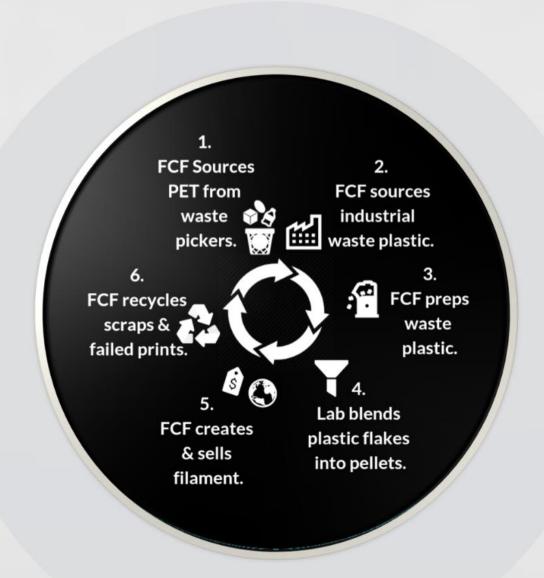
Our Moment

These are actual (2016) and expected (2021) 3D printing adoption rates.

We're gonna need more filament.







Our Model





OpEx Team & Production: \$350,000 USD



We project sales to cover production costs when we go to market.

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Investors with connections in the **tech and retail sectors** could be helpful.

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Investors with connections in the **tech and retail sectors** could be helpful.

We're seeking grants and CSR funding based on our social & environmental benefits to help finish our prep work.

OpEx Team & Production: \$350,000 USD



Our Partners

A strategic selection of facilitative partners.



Who they are:

A world-leading supplier of high-tech polymer materials.

How they're helping:

Expertise & the scale necessary to support exponential growth.

They make our resins.

Who they are:

An innovative academic initiative at Thammasat University, which focuses on social enterprise and social innovation.

How they're helping:

Operations & back office support for our launch.





Who they are:

A global network of experts that works to end poverty, while conserving the planet.

How they're helping:

Research, mentoring, and access to resources.

Who they are:

An industry-leading 3D printing research and development company that focuses on the use of recycled materials.

How they're helping:

Extrusion expertise, including testing of our filament blends.









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Who they are:

Thammasat University's material science lab. They focus on sustainable material development.

How they're helping:

Expertise, material testing and extruding filament for product testing.

Who they are:

An experimental lab that brings people together to address environmental and social challenges.

How they're helping:

Design workshops offering communities 3D printing as a tool to solve local challenges.





Who they are:

The leading start-up accelerator empowering start-ups that create social & economic impact.

How they're helping:

They connects us with mentors & opens doors to funding.

Who they are:

A social enterprise whose mission is to bring affordable, personalized, quality learning to youth in Thailand and other developing countries.

How they're helping:

Product testing and youth 3D printing labs to help with brand building.





Our Core Team



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Yuttana Liansiri Lab Manager









1. Do you want the circular economy to become a reality?



- 1. Do you want the circular economy to become a reality?
- 2. Will **you** help us make it happen?



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The Revolution Will Be Recycled

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