



INVEST IN AZOLLA, INC.

Turning emissions into carbon negative textiles.

LEAD INVESTOR



Rasheed Shamma

I proudly endorse Azolla and it's team of experts as they offer exceptional sustainable alternatives in the textile market, addressing environmental impact and enabling net-zero goals without sacrificing profitability. Their biomaterials remove CO2 from the air making them a leader in eco-friendly solutions for businesses and individuals prioritizing sustainability, profitability, and combating climate change. It's an honor to be amongst the change for a better world.

Invested \$25,000 this round & \$10,000 previously

azolla.tech Oakland CA

Technology

Female Founder

B2C

Manufacturing

Sustainability

Highlights

- 1 We are solving one of the world's biggest problems by turning harmful CO2 into usable products
- 2 Creating carbon-negative sustainable alternatives for the trillion dollar textile market
- 3 Enabling fashion brands to meet their net-zero goals without sacrificing profitability
- 4 Each pound of our biodegradable material removes 3 pounds of CO2 from the air
- 5 Potential revenue streams from multiple sources
- 6 CEO with 20+ years in textile industry gives us an inside track to manufacturing pipeline
- 7 Founders with industry experience backed by accomplished advisors and scientists from National Labs
- 8 Drop-in platform technology can be integrated into existing infrastructure to make consumer products

Our Team



Lubica Hanacek CEO

Ring Leader. 20+ years of experience in the textile industry including leading positions in strategic business development, supply chain management and product design at Levi's, Target, and Bed Bath & Beyond.

I love textiles! Working in the industry for over 20 years, I have seen first hand the devastating effects it has on the environment. My yearning to repair some of that damage led me to co-

effects it has on the environment. My yearning to repair some of that damage lead me to co-found Azolla and create a textile option that removes carbon from the air instead of releasing it.



Milan Hanacek CTO

Bioarchitect. 20+ years of experience scaling ideas in megaprojects. Development leader of \$1.4B project at AECOM, key developer of engineering and industrial production facilities on two continents at Bechtel.



Dan Robertson, PhD Chief Scientific Advisor

Science pro. 30+ years of experience in biotech, from start-up to commercialization. Former CSO and Chairman of Executive Technical Committee at Joule; VP of Biofuels R&D at Diversa. PhD in Biochemistry. 24 patents and 70 publications.

Pitch

Fund textiles that are restoring our environment

AZOLLA
Made from CO₂

Transforming industrial pollution into textiles

The image shows a pitch slide with a background of several spools of white thread. The text is overlaid on the image. At the top, it says "Fund textiles that are restoring our environment" in a bold, dark blue font. Below that, there is a white tag with the word "AZOLLA" in large, bold, black letters, and "Made from CO2" in a smaller, black font below it. At the bottom of the slide, it says "Transforming industrial pollution into textiles" in a dark blue font.

Azolla's vision is to give people reason to feel good about buying their clothes.

We want to give consumers power to have positive impact on the environment.

We want to give them the opportunity to choose clothes made from carbon negative textiles.

We want people to be able to say that the jeans they are wearing removed 10 pounds of CO₂ from the air.



The global apparel market alone is expected to reach \$3 trillion by 2025.

Textiles are an important part of our everyday lives, and the projected growth in demand for textile products is directly linked to population growth.

**... and they are killing
our planet**

3.29
gigatons
CO₂ emissions

150
million
trees

21

Textiles are projected to account for 26% of global emissions by 2050 with a burden of more than three gigatons.

Environmental cost of textile production:

98 million tons of non-renewable resources, 342 million barrels of oil, 200,000 tons of pesticides, and 8 million tons of fertilizers are used annually for textile fiber production

Consumers are demanding better options



Key Market Drivers

The negative impacts of the industry are becoming ever more transparent and understood by digitally enabled customers, leading to reputational risks for brands.

A public appeal from individuals and governments for the industry's transition to better manufacturing practices is creating a significant demand for sustainable alternatives.

Demand for sustainable textiles is exploding

Brands are setting sustainability goals



**“Sustainability:
\$12 Trillion a Year
Market by 2030.”**

*European Business Review



LVMH



INDITEX



Unilever

The fashion industry is on a trend towards sustainability.

Top brands have made bold sustainability commitments, but many without comprehensive actionable plans. Today, there simply isn't enough supply of sustainable materials to meet even a fraction of the goals set by these corporates. Azolla's technology is the key to helping them achieve those goals.

The metrics support our vision:



According to *McKinsey & Co*, 55% of fashion companies aim to source half of their products with sustainable materials by 2025, but today only 1% of textiles is labeled sustainable because of lack of viable options. This represents a **\$69 billion market opportunity for Azolla's technology** and is the immediate focus of the company's commercial effort.

ΔZOLLA is climate positive

We help companies to meet their net-zero

goals without sacrificing profitability

Our vision is to give people reason to feel good about buying their clothes

We are bringing a climate positive alternative to the world's biggest brands and manufacturers to give them a powerful tool to meet their climate goals.

If successfully deployed and implemented on a large scale, Azolla's technology could play a crucial role in addressing climate challenges. Our unique carbon-negative approach to textile production will result in significant carbon dioxide reduction.

△ZOLLA mimics nature's blueprint

Our unique Industrial Photosynthesis converts CO₂, water & light into **carbon negative** biomaterial

SUNLIGHT

CO₂

WATER

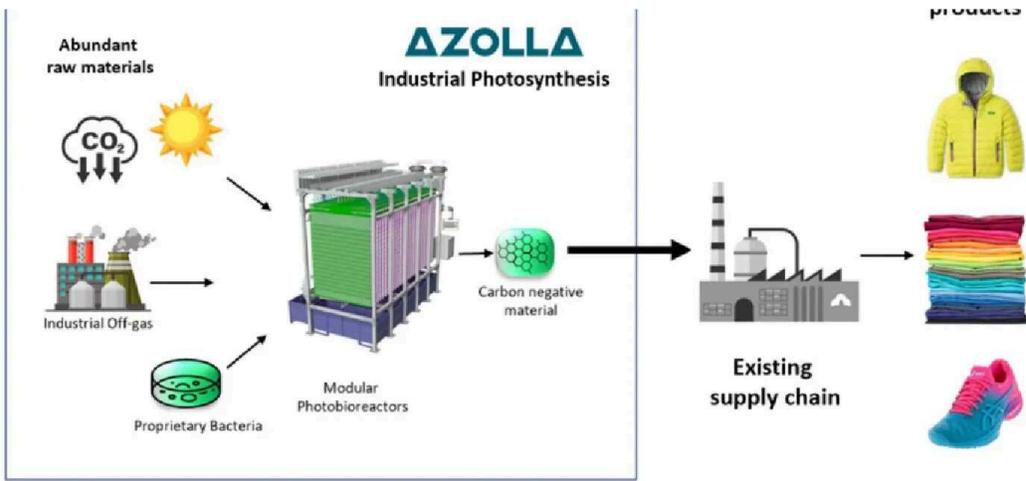
Our technology is inspired by Nature, in the same way a tree turns carbon, water and light into the most abundant polymer on earth called cellulose, our process converts waste carbon, into natural biodegradable material.

It takes trees a long time to grow and the process to turn them into fibers is very inefficient and toxic.

We know, that in order to achieve commercial success, our technology must be much more efficient, and to achieve this, Azolla is re-writing biology to create advanced version of photosynthesis.

Our process

Carbon negative
products



Every pound of our material removes 3 pounds of CO₂

Our process is very simple: our unique, genetically engineered bacteria, we think of them as tiny biofactories, are living happily in a perfect environment in our bioreactor (like a 5-star all-inclusive resort), eating tons of CO₂ and as a payment, they are producing pure carbon negative material that can be used to make textiles.

Because we can eliminate all the steps to grow, harvest, and process raw materials, our method is very efficient, inexpensive and easily scalable.

Better in Every Way

	PERFORMANCE					COMFORT				IMPACT			
	Durable	Flexible	Colorfast	Shrink-resistant	Moisture wicking	Soft	Breathable	Absorbent	Inert	Hypoallergenic	Toxic	Renewable	Sustainable
Polyester	✓	✓	✓	✓	✓						✓		
Cotton						✓	✓	✓	✓	✓	✓	✓	
AZOLLA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓

Azolla will provide the fashion industry with textile fiber that has the performance properties of synthetics, like durability, strength and flexibility, and the comfort of natural fibers like cotton.

Because our fiber is natural like cotton, it is also biodegradable, and won't contribute to microfiber pollution.

Fast-to market strategy



Our material is applicable to many industries, and we have developed strategic plan to ensure successful scale up and commercialization over the next few years.

Our long-term goal is to address the urgent need for sustainable solutions in multiple markets by licensing our technology to manufactures in various industries that are urgently looking for sustainable materials and ready to collaborate on product development and integration of our technology into their existing supply chains.

Partners

We are supported by prestigious organizations focused on advancing decarbonization of consumer industries that underpin the global economy



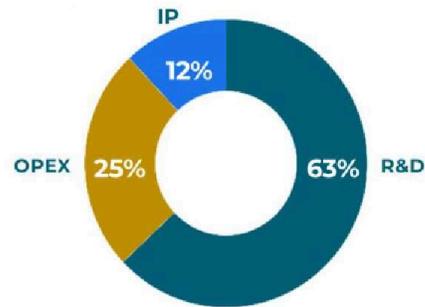
Recognizing the urgent need for rapid market integration, we are eager to accelerate our technology deployment by partnering with National Labs and academic institutions.

We plan to leverage their considerable expertise and state-of-the-art facilities to encourage continuous innovation and improvement, boost production and drive down costs so we can deliver our carbon transformation technology to market on expedited timeline.

Your Investment

will help us complete proof of concept:

- Produce consistent amounts of biomaterial
- Make product samples
- Develop strategic partnership with Fashion Brand
- IP protection



We will use the funds to expand our scientific team, cover lab expenses and file for several patents

Azolla has been awarded \$850K funding from DOE of to collaborate with Agile Biofoundry to advance the technology to successful completion of proof of concept. This collaboration with the national laboratories will allow us to leverage the brightest scientific minds as well as the use their state-of-the-art facilities and cutting-edge research in synthetic biology, artificial intelligence and machine learning.

What does Future Look Like?

Azolla is leveraging existing infrastructure and a licensing model to drive rapid growth.

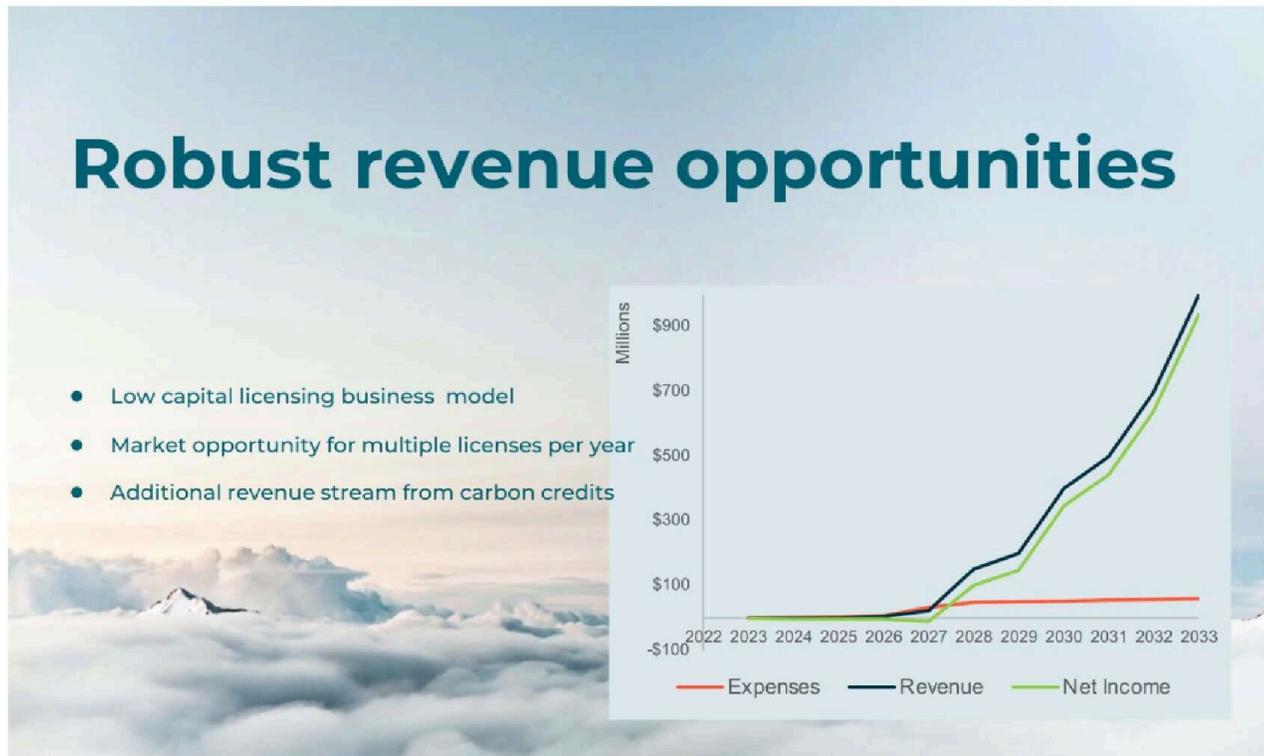


Our objective is to advance the technology to be commercial ready in 2 years to meet the huge demands for sustainable

materials.

Looking ahead, we are poised for rapid growth. We are in discussion to form strategic partnerships with several fashion brands and manufacturers to co-develop products for their specific markets.

Forward-looking statements are not guaranteed.



To bring Azolla's technology to market fast, our business model is based on licensing the technology to textile manufacturers that are already looking for sustainable options.

Our revenue projections are robust. Based on our current assumptions and high demand for sustainable materials, we expect to start generating revenue in 24 months.

Forward-looking projections are not guaranteed.

Team

Founding team with deep experience across consumer industries.



Levi's target POTTERY BARN
Lubica Hanacek
CEO



SELECTED AECOM
Milan Hanacek
CTO

As a fashion designer and an architect we know that our industries are major contributors to environmental degradation. Working for large corporations, we were desperately searching for clean and sustainable materials, however all we could find were products using toxic manufacturing. We saw this not only as an immense opportunity, but also as an obligation.

We founded Azolla to develop sustainable solution for our industries.

As skilled professionals with years of experience in product development and project management we are well equipped to ensure successful realization of our vision.

We are two daring adventurers, taking on challenges for a long time and we know that as a team we are invincible. To pursue our dreams, we risked our lives - literally crawling across the border to freedom - with nothing but the clothes on our backs. We came to the US as young political refugees, putting ourselves through college, eventually achieving considerable success in our respective careers.

Encouraged by our track record, we are stepping up our game to leave a legacy of better world.

Team

Founding team is supported by accomplished advisors and scientists from national labs



Dan Robertson, PhD
Chief Scientific Advisor



ADVISORS

Our advisory team includes PhDs in biochemistry, chemistry, genetic engineering and molecular biology along with decades of expertise in engineering and operations, product development and supply chain management with leading organizations, including:



We are supported by a team of accomplished advisors from scientific community, biomanufacturing and business development areas that share our vision and believe that our technology has the potential to deliver economically viable sustainable material option.

The Opportunity

Why invest in ΔZOLLA?

Actively participate in restoring the environment

Have a stake in company making carbon-negative products

Capture benefits of global decarbonization

Your investment in ΔZOLLA is just the beginning of an exciting future where many consumer products are made from carbon emissions.

We are energized by giving everyone the opportunity to contribute to climate solutions, and we are looking for investors that share our vision for building a climate positive future.

You can help us create future where the unthinkable is possible

If you can not invest today, you will do just as much good for the world by SHARING this page with someone who wants to ensure sustainable and abundant future.