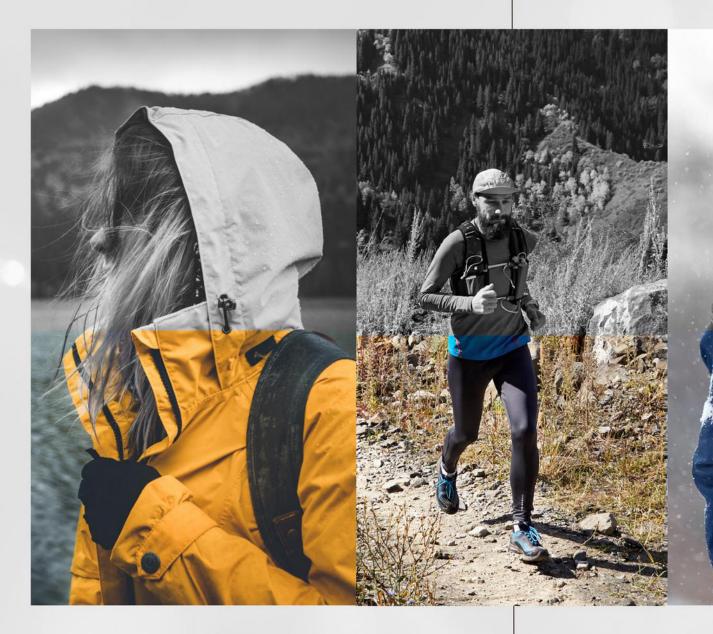
Wearing Nature



FREY ZEIN



We enable the textile industry to produce outdoor wear free from any plastics.



Wearing Cellulose

All outdoor clothes contain toxic plastic.

These clothes are mostly trashed at the end of product life.

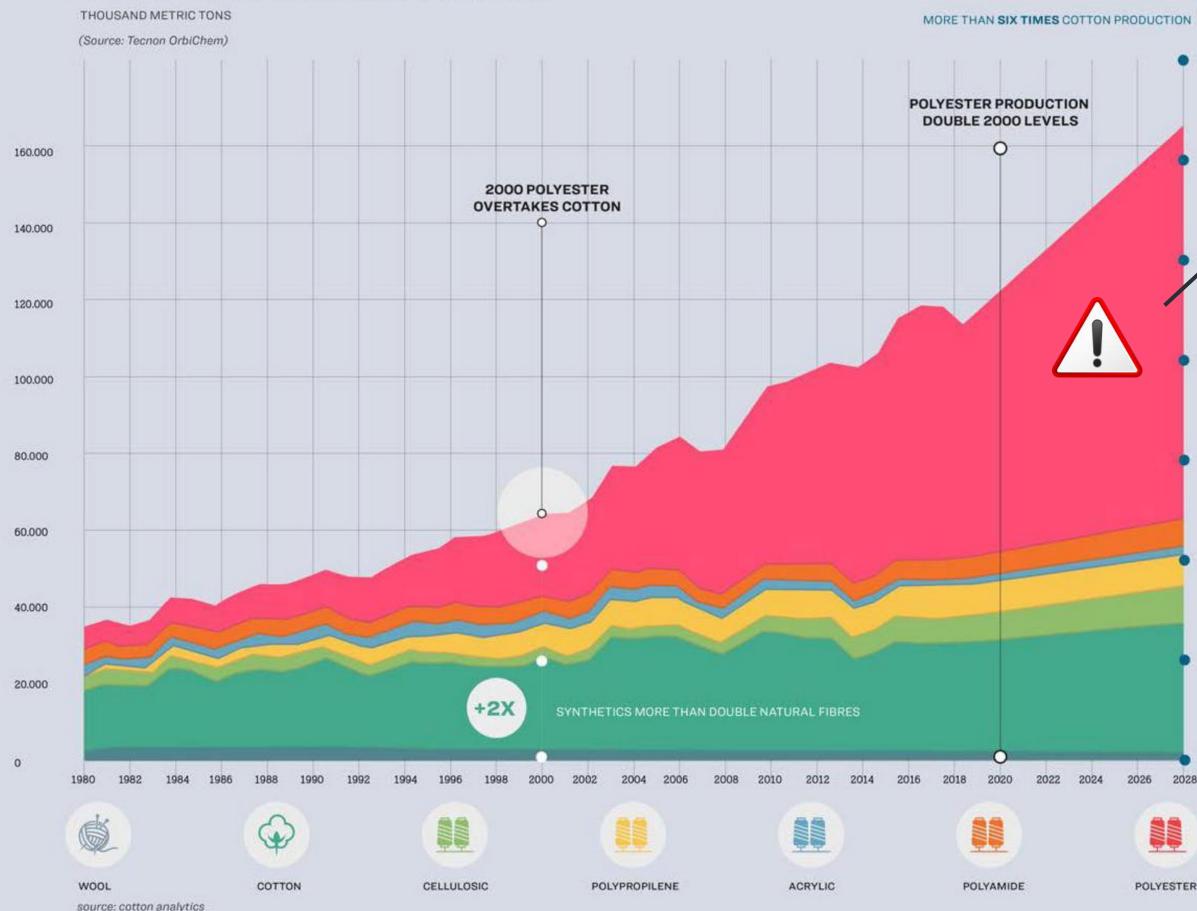
This is creating a big problem for all life on the planet.

FAST FASHION AND THE RISE OF POLYESTER

THE MAJORITY OF FIBRE PRODUCTION IS SYNTHETIC AND COMES FROM FOSSIL FUELS



WORLD FIBRE PRODUCTION BY FIBRE TYPE 1980-2030



Polyester is dramatically overused in fabrics, causing widespread pollution from the mountains to the oceans

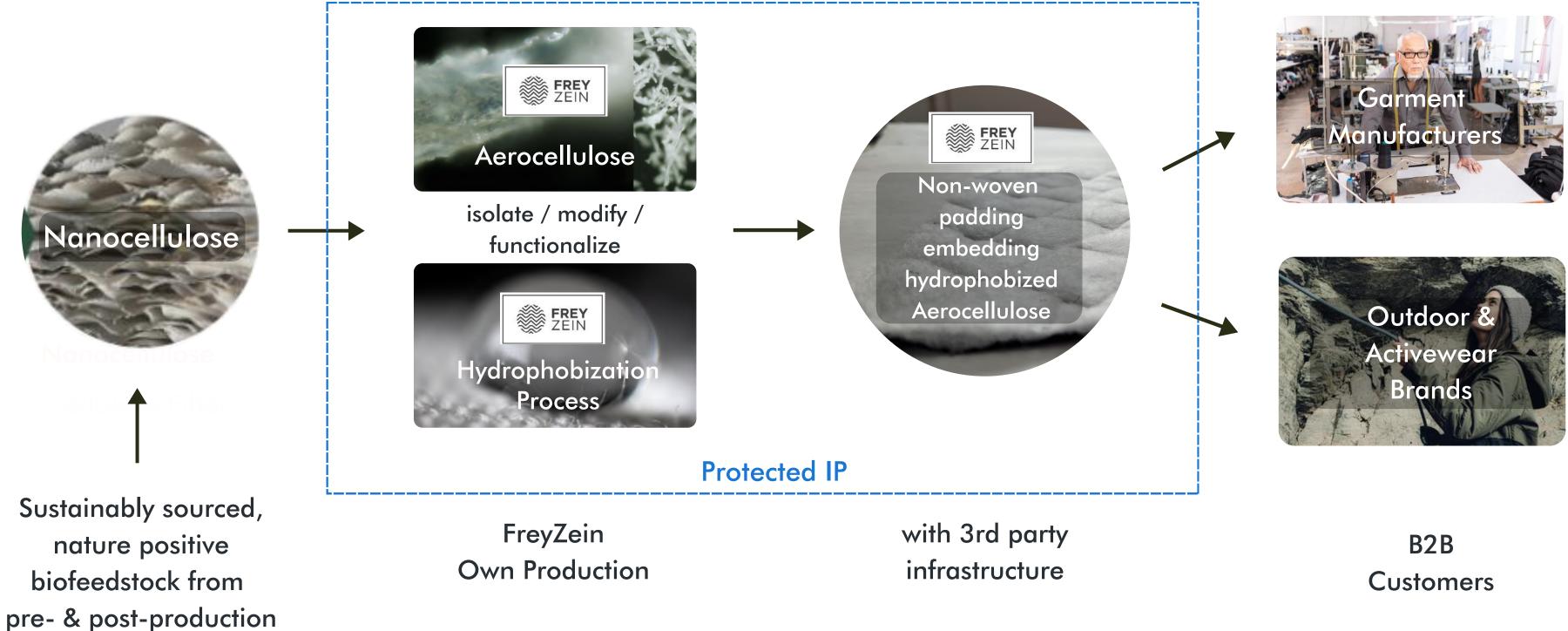


We create 100 % natural, premium performance fabrics by enhancing cellulose, the world's most abundant biopolymer.



TECHNOLOGY

Our core value is the technology to isolate, modify, and functionalize cellulose and its chemical and physical derivatives, such as nanocellulose. By carefully selecting the appropriate bio feedstock, we enable customers to produce performance outdoor wear free of plastics.





PRODUCTS with our TECH

FreyZein[®] **TerraDown**[™] **100% Natural Thermal Insulation Coming 2025**



NATURAL THERMAL PERFORMANCE

- Made to Flex with the Seasons
- Powered by Aerocellulose.
- Reducing Environmental Impact











Performs when wet



Regulating





ideal [.]
Outerwear

Activewear



FreyZein[®] **TerraTech**[™] **100% Natural DRW Multilayer Technology**

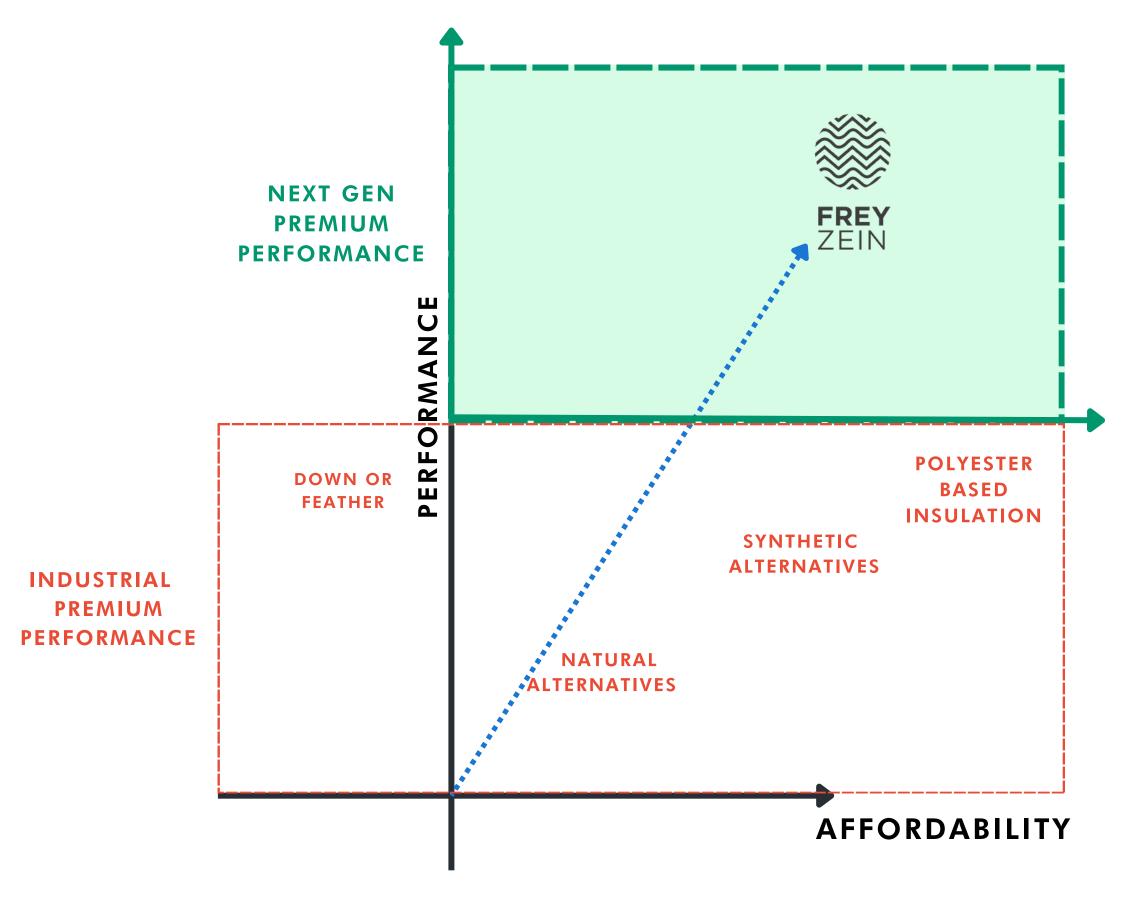
MADE FOR OUTDOOR PERFORMANCE

- Cellulosic Monomaterial
- Breathable & Water Proof
- Better Performance than **Existing Bio-based Products**

Shoes Outdoor Textiles



COMPETITOR Matrix



FreyZein outperforms competitors:







Premium Performance

Circular Monomaterial

Sustainable Value Pricing

Want more performance? It'll cost the Earth - literally

CLIMATE IMPACT Forecast

FreyZein underwent a climate impact self-assessment (CIF) for TerraDown[™]. Impact Forecast Netherlands certified us during our participation in the New European Bauhaus program funded and administered by the European Commission.

ter of fabric - roll) 1 linear meter of 55cm) eyZein Next@ tigation project		-3.239 -16t iles GmbH	
^{55cm)} eyZein Next@			
-		iles GmbH	
	n NextGen Textiles GmbH n project		
pact reduction	potential	-16	tCO2eq./year
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duction potent	tial	Positive	۲
pact threshold		Significant	•
	idity of the for duction potent	pact reduction potential idity of the forecast duction potential pact threshold	idity of the forecast Valid duction potential Positive





Impact reduction potential -5kg CO2 per jacket produced with TerraDown[™]

Winning TEAM with an unfair **ADVANTAGE**



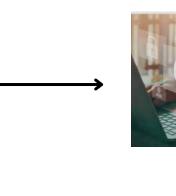
Sabrina Stacherl CFO & Co-Founder

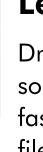


Enrico Cozzoni, PhD Head of IP & Commercialization

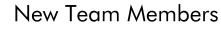


Barnaby Caven, PhD CTO & Co-Founder











Madeleine Müller Product Dev & Design, Founder DĀYZE, DESA Internazionale



Johannes Stefan CCO, Ex Commercial Director Worldwide at Lenzing Group



Solmaz Ghanbarnezhad

PhD, Senior Scientist

lan Karlsson CEO & Co-Founder



Andreas Jaritz CMO/CIO



Legal, IP & Soft Funding

Dr. Cozzoni is responsible for some pivotal patents in the fashion industry, including one filed by Pangaia.

Tech & Research

Co-founding scientists on the team, Dr. Caven, Dr. Cozzoni and Dr. Ghanbarnezhad, have strong track records in materials science, nanotech, surface chemistry, and manufacturing engineering

Business & Scaling

CEO & Co-founder Karlsson scaled another sustainable venture selling over 35m products. Raising € 7m at his last venture, Jaritz adds rich experience the growing company.



- Secured €4m in soft funding for FreyZein
- Published research articles: 78
- Patents filed: 7
- Funded projects: 50
- Lab -> GTM: 6

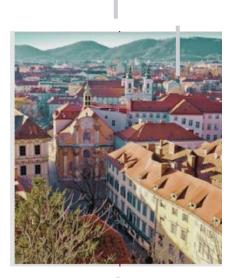


- Combines 30+ years of entrepreneurial experience
- millions of products sold
- millions of Euros raised





2020



Company Founded in Graz, Austria JR&D/Business Development

2021 - 2022



Accelerators & Business Development Joined several **European Business Development Programs**

Funded by EU & Austrian govt. Total € 1.1m secured from Austrian Funding & European Union

2023

2024



DeepTech Lab & first Business Angel

Horizon Europe Project BioFibreLoop with a totlal of € 7m in consortial soft funding

2024



Joining European Institute of Innovation and Technology € 900k secured from Austrian Funding & **European Funding**

2024



Approval of FFG Base Program

 $A \in 2.3m$ research and development funding in 3 phases of which the 1st phase got approved in Sept. 24



invest@freyzein.com www.freyzein.com

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Jan Karlsson, MSc. // 100% Commitment // Linkedin Dr. Barnaby Caven // 100% Commitment // LinkedIn Sabrina Stacherl, MA // 60% Commitment // LinkedIn Dr. Enrico Cozzoni // 100% Commitment // LinkedIn Andreas Jaritz, MSc // 60% Commitment // LinkedIn Dr. Solmaz Ghanbarnezhad // 100% Commitment // LinkedIn

