



NEXT-GEN TEXTILES

FOSSIL-FREE PERFORMANCE MATERIALS

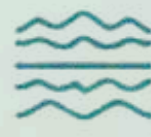
Bi-Circular performance wear.



NATURAL
BY DESIGN



BI-CIRCULAR
BY NATURE



PERFORMANCE
WITHOUT COMPROMISE

**WHY DO PEOPLE
WHO LOVE NATURE
WEAR PETROCHEMICALS?**

THERE IS A BETTER WAY.



FREYZEIN REPLACES FOSSIL-BASED TEXTILES WITH RENEWABLE PERFORMANCE MATERIALS.

Naturally advanced. Engineered for life.
Better for people. Better for our planet.

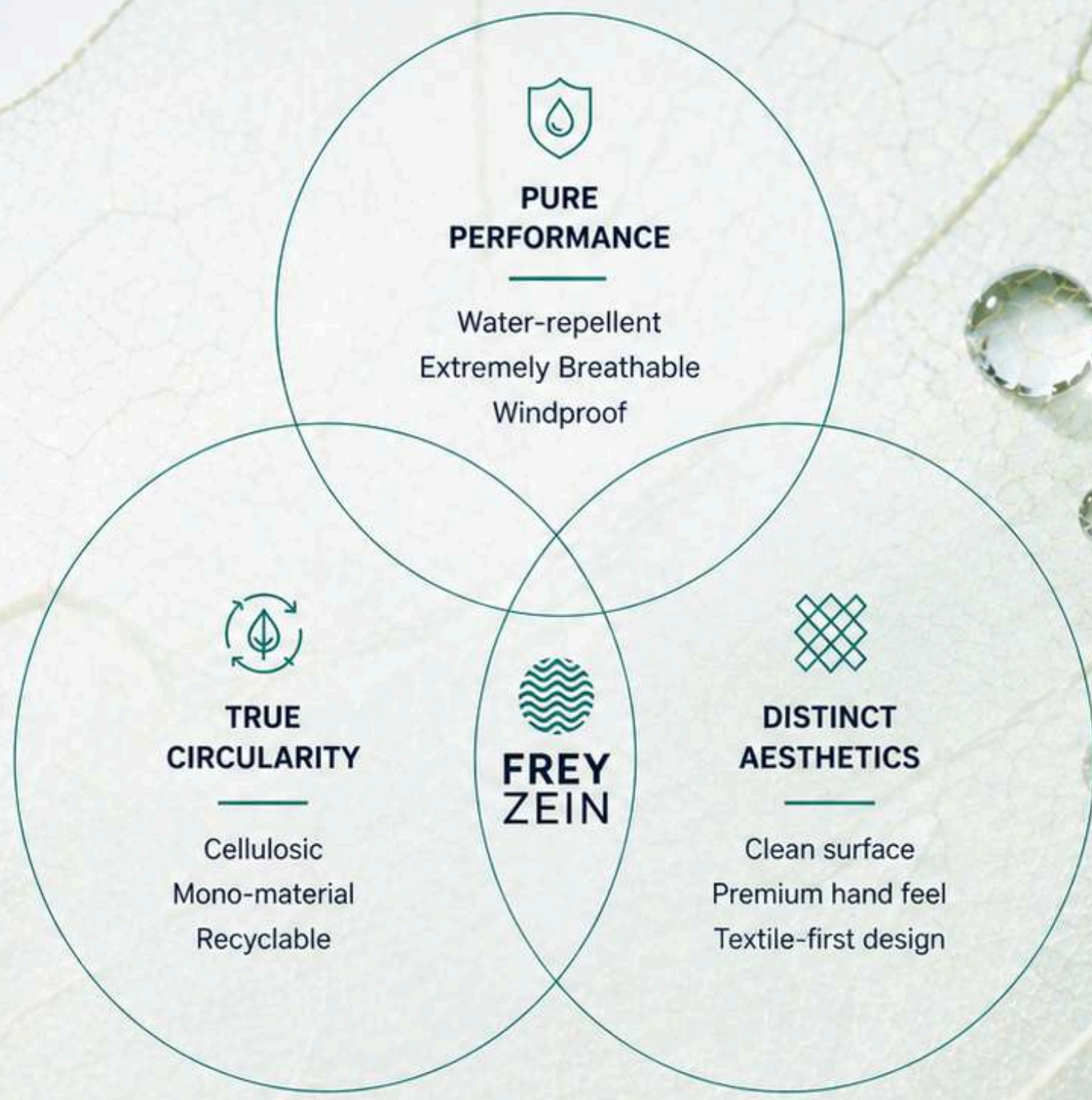
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WINDPROOF
Reliable protection in demanding conditions.
- 

WATER-REPELLENT
Durable performance without coatings.
- 

EXTREMELY BREATHABLE
Engineered moisture regulation.
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BIOBASED. PFAS-FREE.
No fossil inputs. No compromise.

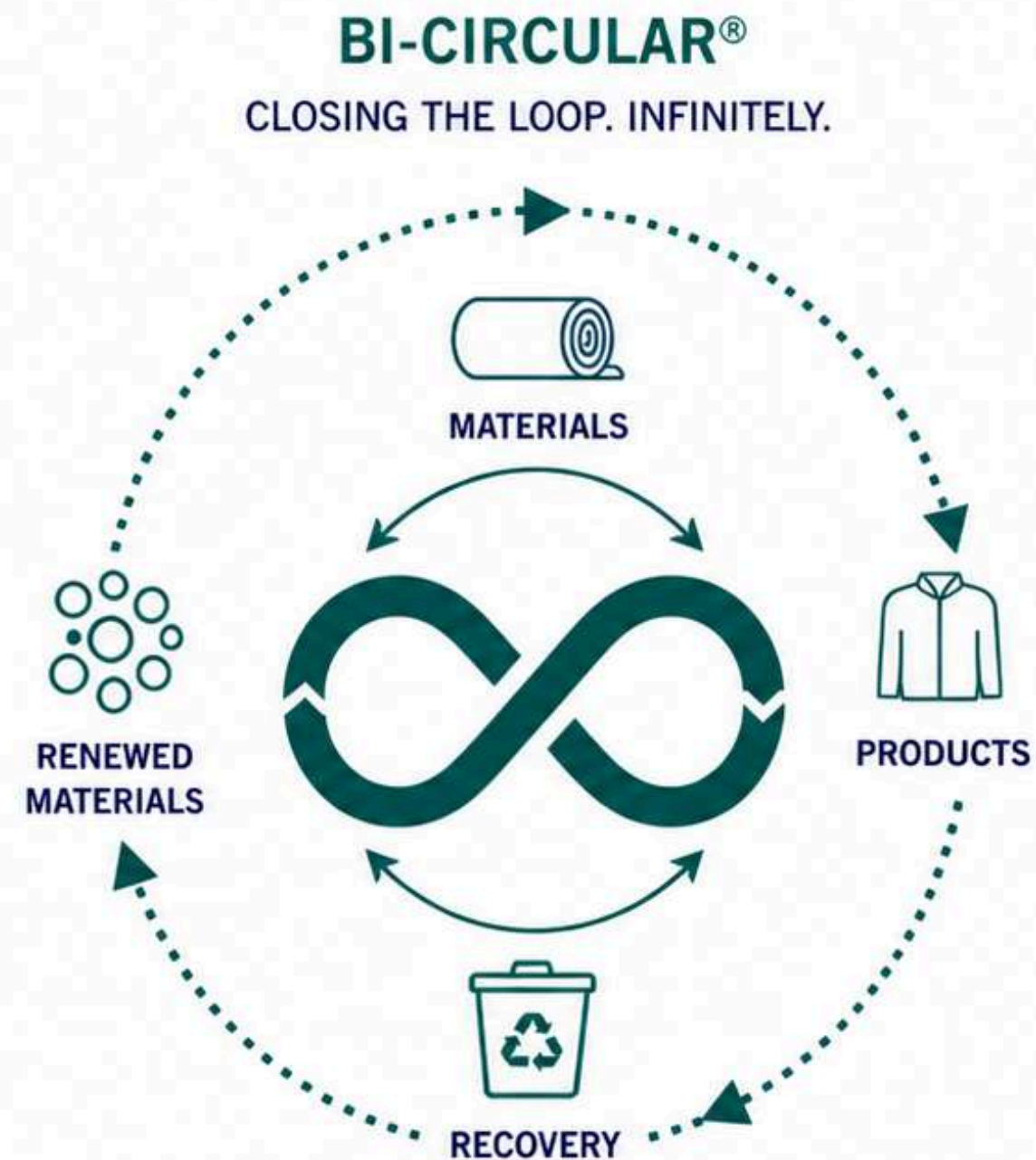


Closing the loop. By design.

Bi-Circular® goes beyond recycling.
It designs for the full lifecycle —
including end-of-life.

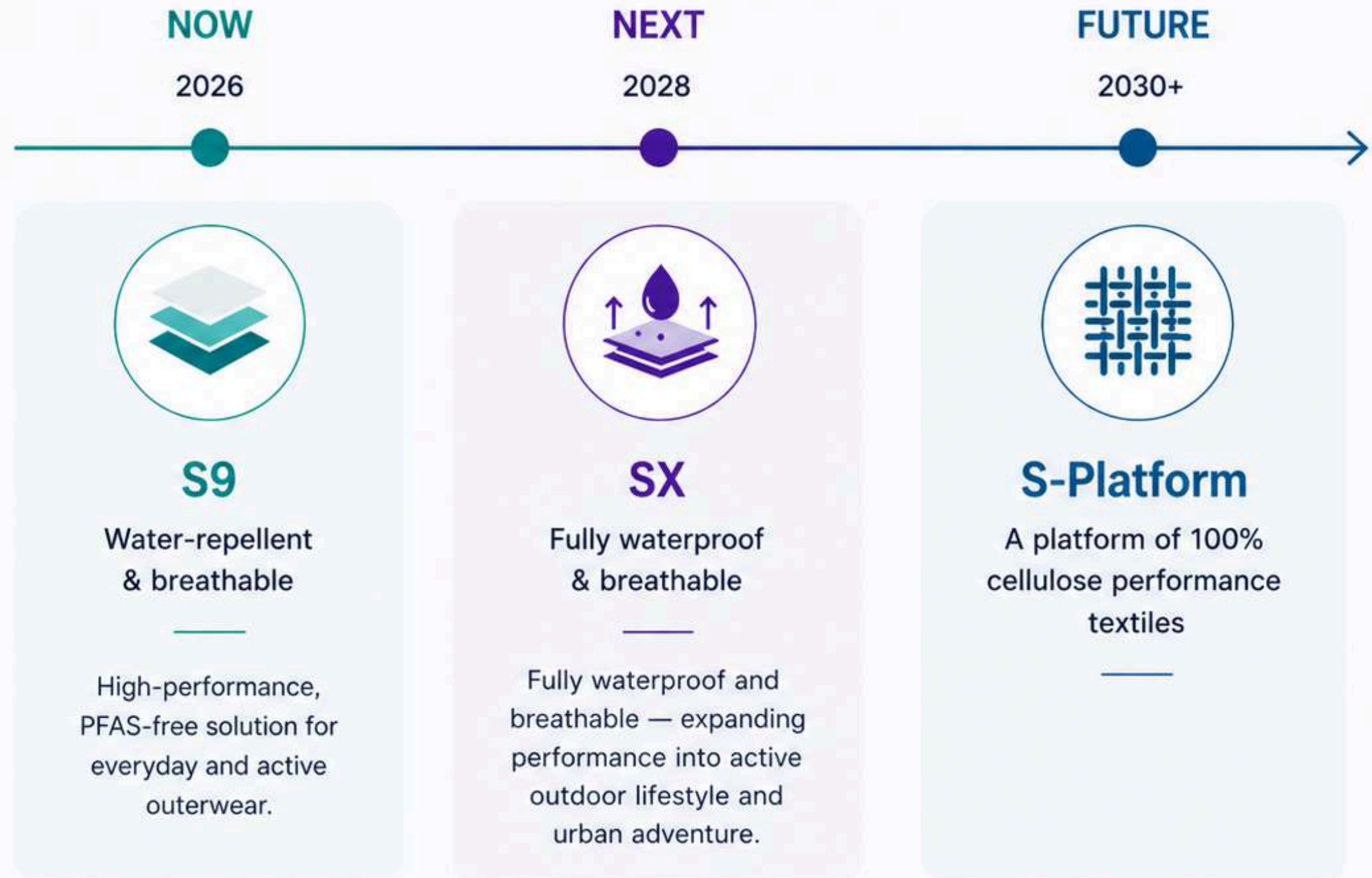
Materials are made to be recycled
and to return safely to nature.

NATURAL | BI-CIRCULAR® | EXTREMELY BREATHABLE



From breakthrough today to **platform leadership**.

Our 100% cellulose-based technologies unlock a new generation of high-performance textiles — built for nature, designed for the future.



First Natural Nano Membrane System to cross the performance line.

Enabling brands to enter into performance wear without the use of petrochemical fabrics.



Redefining the standard of performance materials.

The only solution that unites nature, performance and aesthetics - without compromise.

					
 MEMBRANE TECHNOLOGY	✓	✓	✓	✓	✗
 EXTREMELY BREATHABLE	✓	✓	✓	✓	✓
 WATERPROOF High performance	S9* ✗ SX** ✓	✓	✓	✓	✗
 NATURAL Cellulose Layers	✓	✗	✗	✗	✓
 BI-CIRCULAR® Natural monomaterial designed for recycling	✓	✗	✗	✗	✗
 PRICE	€€	€€€	€€	€€	€€€

Validated by global brands.

Paid pilots. Active development programs & strategic partnerships.



30+

GLOBAL BRANDS
ENGAGED

Across premium fashion,
outdoor & workwear.



5

INDUSTRIAL
PARTNERS

Co-developing S9 & SX
at scale.



5+

RESEARCH CENTERS
IN EUROPE

Running 7M €
Horizon Europe project.

MATERIAL SALES, PAID PILOTS & PROTOTYPING



BURBERRY

BOSS
HUGO BOSS



VF CORPORATION



Material Sales, Paid Pilots & Prototyping

Paid Pilots and Prototyping:
Commercial Supply Contracts
for next season products.



Strong pull from the market.

€65K+ PAID PILOTS

Dual revenue model.

Built for scale. Owned by FreyZein.

01

MATERIAL SALES



- ✓ FreyZein® fabrics sold to brands
- ✓ Revenue per meter / unit

NOW

S9 / SX (2028)

Material Sales



02

MILL LICENSING



- ✓ Base Licensing fee
- ✓ Licensing based on meters

2028+

S9 + SX

Licensing Agreements

A €3B entry point into a €200B+ market.

FreyZein enters through performance laminates and scales across the full technical textile stack.

Source: Grand View Research (2024), Mordor Intelligence (2024), McKinsey & Company (2023), Statista (2024)



Built at the molecular level. Hard to copy. Easy to prove.

FreyZein's 100% cellulose technologies combine material science, nanotechnology, and proprietary processes creating performance that **cannot be matched with conventional chemistry.**



PROPRIETARY CHEMISTRY

Unique nanocellulose formulations and surface engineering developed over years of R&D.



PROPRIETARY PROCESSES

Scalable processes that cannot be reverse engineered without our know-how.

OUR IP PORTFOLIO



1x
PATENT PENDING



3x
PATENTABLE
TECHNOLOGIES
2x Material | 1x Process



3x
TRADEMARKS
REGISTERED



**FUNDED BY THE AUSTRIAN
GOVERNMENT FOR GREENIP**
Strategic support for
protecting our innovations.

A team bridging science, industry and scale.



Jan Karlsson
CEO & Co-Founder

Scaled a consumer brand with 35M+ products sold.



Sabrina Stacherl
CFO & Co-Founder

Financial strategy & sustainable scaling.



Johannes Ebert
Head of Product & Business Dev

Deep domain expertise & industry access.



Dr. Solmaz Ghanbarnezhad
Senior Scientist

Nanocellulose & advanced materials.



Dr. Wolfgang Zitz
Strategic Advisor

Materials innovation & scaling strategy.



Clemens Wolf
Head of Industrialization

Joining June 2026 // The €200K investment supports the onboarding.

From lab to global scale.



€4M+

Non-dilutive funding secured from EU & Austrian government.



€65K+

Paid pilots closed with leading brands.



20+ YEARS

Combined experience in materials, textiles and scaling ventures.



LAB → MARKET

Proven track record from research and IP creation to industrial adoption.

GO-TO-MARKET STRATEGY • 2026–2029

Phased approach to enter, scale and lead the next generation of natural performance textiles.

	PHASE 1 • 2026–2027	PHASE 2 • 2028	PHASE 3 • 2029
 FOCUS	PREMIUM FASHION ENTRY VALIDATE & ENTER	PREMIUM SCALING SCALE & EXPAND	PERFORMANCE EXPANSION ANCHOR & LICENSE
 WHO	2–3 premium sustainability brands (Armed Angels, Ecoalf, Hugo Boss capsule)	5–8 brands S9: Hugo Boss, Kering SX: Mammut, Helly Hansen (outdoor entry)	Anchor brands (Burberry / Kering tier) 3–4 outdoor brands at full volume License mill active
 HOW	Paid pilots → material sales FreyZein® S9 2-Layer	Full collections + SX launch + first licensing	Material + royalty model FreyZein® on hang tag
 MILESTONE	First repeat order placed	SX outdoor brand signed	1 Tier brand = full category
 REVENUE	€ 450 K	€ 2.35 M	€ 8.65 M
 ADDITIONAL GRANTS	€ 570 K	€ 150 K	€ 150 K

INVESTMENT ASK

€200,000

pilot production • process optimisation • business development

Unlocks ~€500,000+ total capital

- First **repeat order** from a premium brand
- SX **validation** complete
- AWS **Double Equity** + FFG **Markt.Start** unlocked.

One Investment. Three outcomes.

Driving the next generation performance
wear from pilot to global scale.



THANK YOU.

Let's build the future of performance
materials — together.

Invest@FreyZein.com

www.FreyZein.com

S9

PREMIUM 2-3 LAYER SYSTEM
Urban Performance Wear

Designed for the city.
Engineered for everyday
movement.

-  Weather Protection
-  Breathable
-  Lightweight
-  Durable
-  Refined Aesthetics



-  URBAN
-  COMMUTE
-  TRAVEL

FREYZEIN

NEXT-GEN TEXTILES

NATURAL
PERFORMANCE.
MADE FOR LIFE.

Two systems.
One purpose:
to move through
life and nature
with confidence.



-  HIKE
-  EXPLORE
-  ADVENTURE

SX

FULLY WATERPROOF SYSTEM
Active Outdoor Lifestyle

Built for the elements.
Ready for any weather.

-  Waterproof
>5000mm water column
-  Windproof
-  Breathable
-  Durable
-  Technical Versatility

S9

URBAN PERFORMANCE

Engineered for
everyday movement.

Clean design. Intelligent function.
Elevated essentials for the city.
Built to move. Made to last.



Urban Ready



Refined Fit



Weather Protection



Natural Comfort



Sophisticated design.
Next-gen natural materials.
For those who move with purpose.

SX

OUTDOOR LIFESTYLE

Ready for any conditions.
Made for modern adventures.

Technical performance.
Natural by science.
Built for the elements.

Text



Outdoor Performance



All Weather Ready



Breathable & Durable



Adventure Driven



Made for nature.
Built to perform.
Whatever the weather.