



ZyloTex®

The Future of Textiles Is Here.

Ken Barker, CEO & Lelia Lawson, Founder and CTO

January 2026

ZYLOTEX



ZyloTex® North Star

ZyloTex® is creating a global strategic fibre company by transforming Canadian hemp straw into sustainable dissolving pulp and lyocell fibre, advancing Ag Tech and Clean Tech North American supply-chain resilience.

By replacing wood-derived man-made cellulosic fibres (MMCFs), ZyloTex® delivers a microplastic-free alternative whilst solving a global natural fibre shortage.

A Tree Free Textile Solution — The Future of Textiles.



The Problem: Textile Waste = Microplastics

Textile Waste



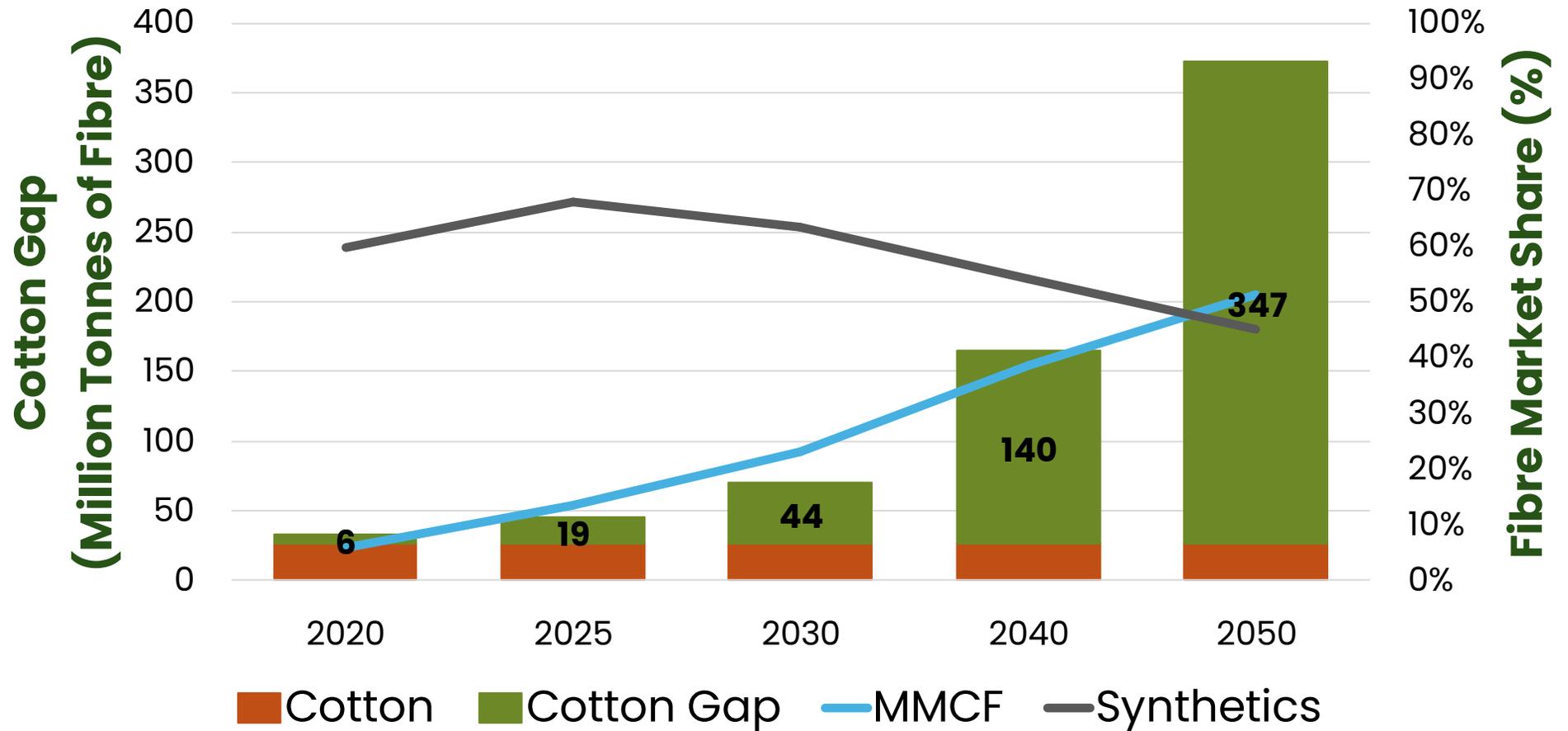
Microplastics





The Problem: The Cotton Gap

ZyloTex® delivers a renewable, manmade cellulosic fibre (MMCF) for the fastest growing fibre category.





So What?

Strong Consumer Demand

- ✓ 75% prefer natural fibres
- ✓ 95% will pay a premium
- ✓ Bio-textiles command 64 – 128% price premiums

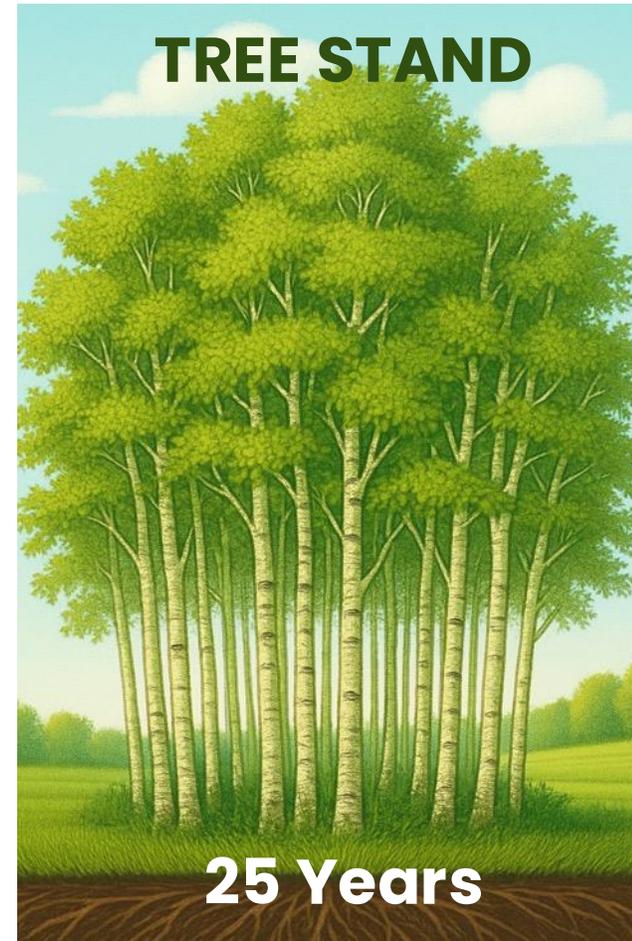
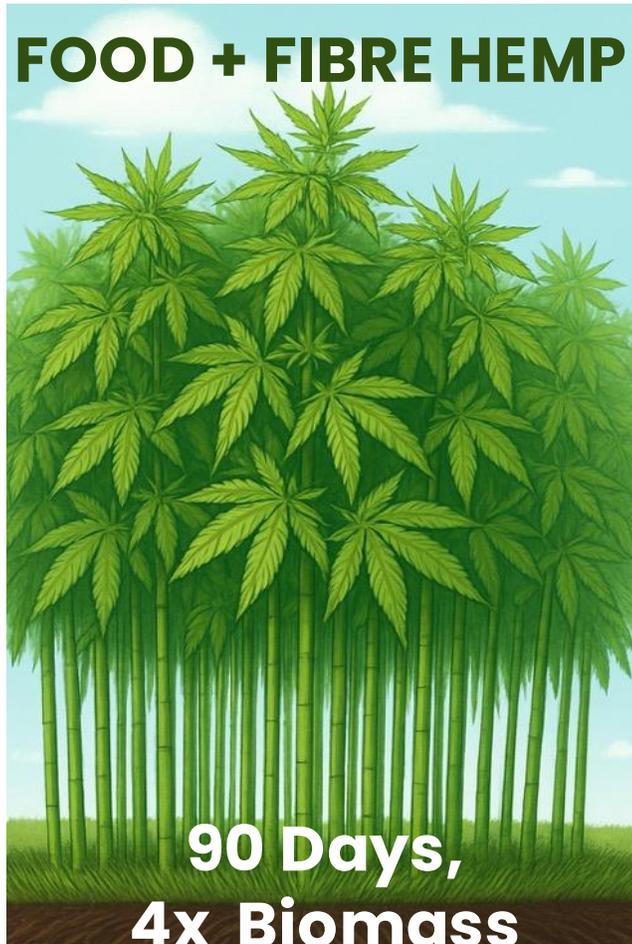




The Northern Advantage

In Canada, hemp is primarily grown as a food crop. The fibre is a by-product that is coarse, inconsistent, and largely unused. ZyloTex® turns this waste stream into value.

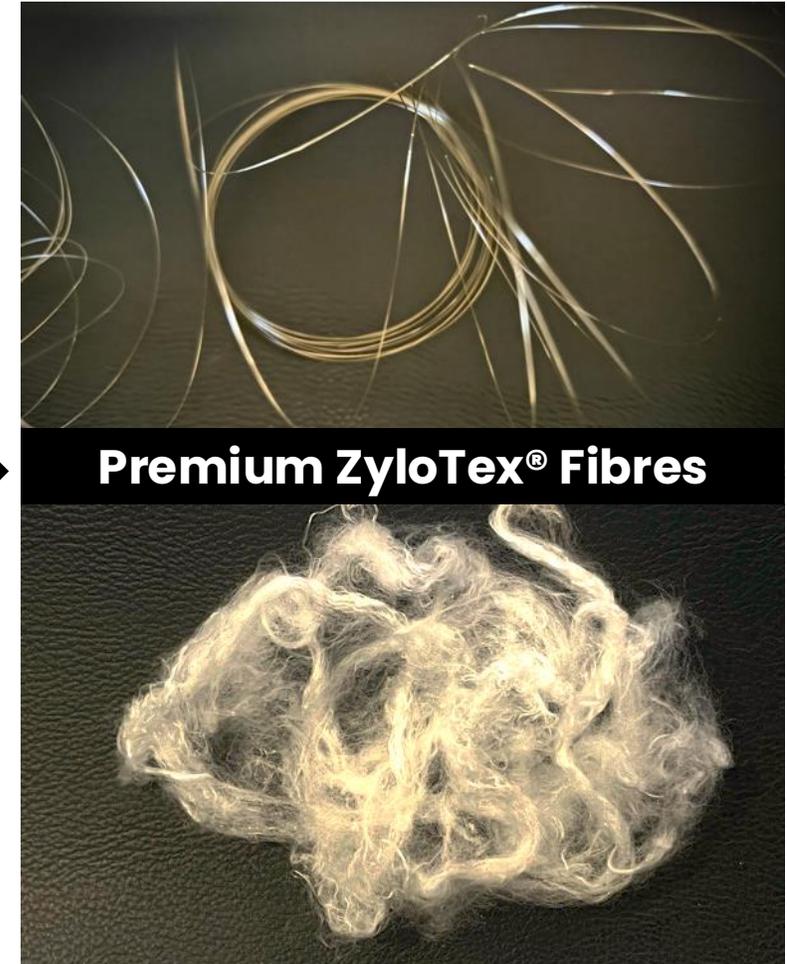
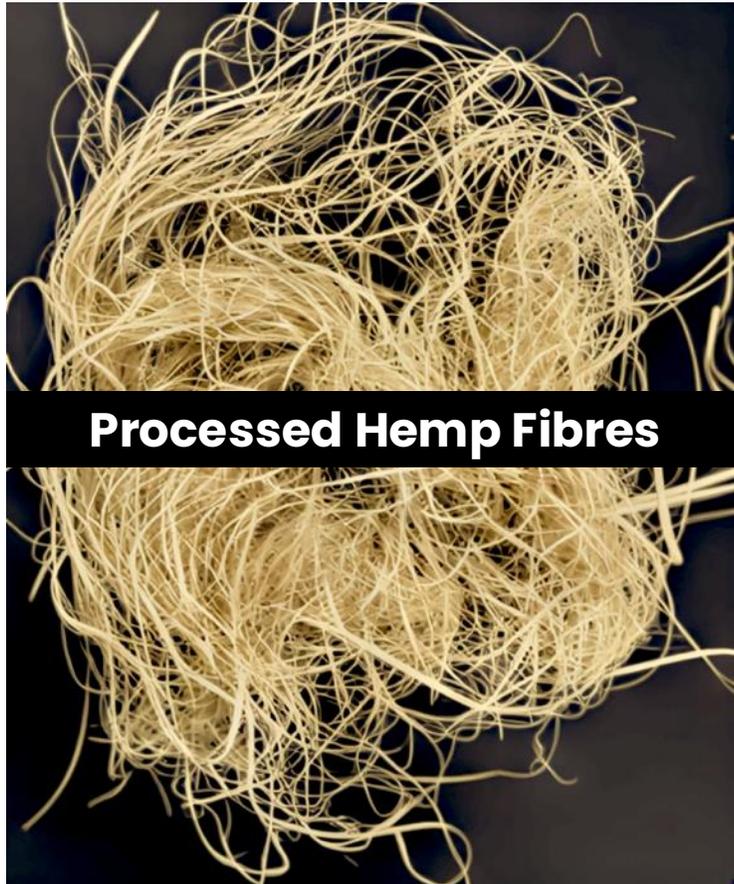
Scalable • Rapid • Renewable • Circular





ZyloTex[®]: The Next Generation Fibre Solution

Converting Canadian food hemp FIBRE into HIGH VALUE premium lyocell.





ZyloTex[®] Manufacturing Process Flow

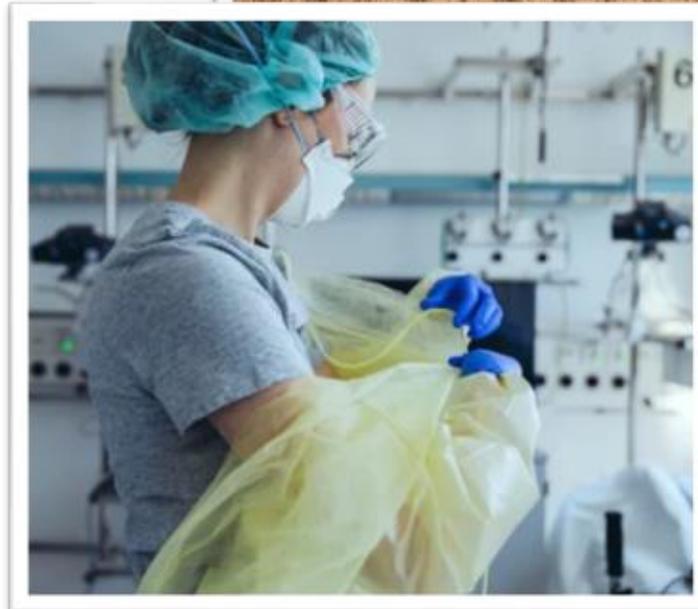




Applications: Nature To Nature



- Agricultural (Bale Wrap)
- Nonwovens (Medical/Industrial)
- Geotextiles (Erosion Control)
- Composites (Car Panels)
- Consumer (Apparel)





Superior Sustainability: The Environmental Win

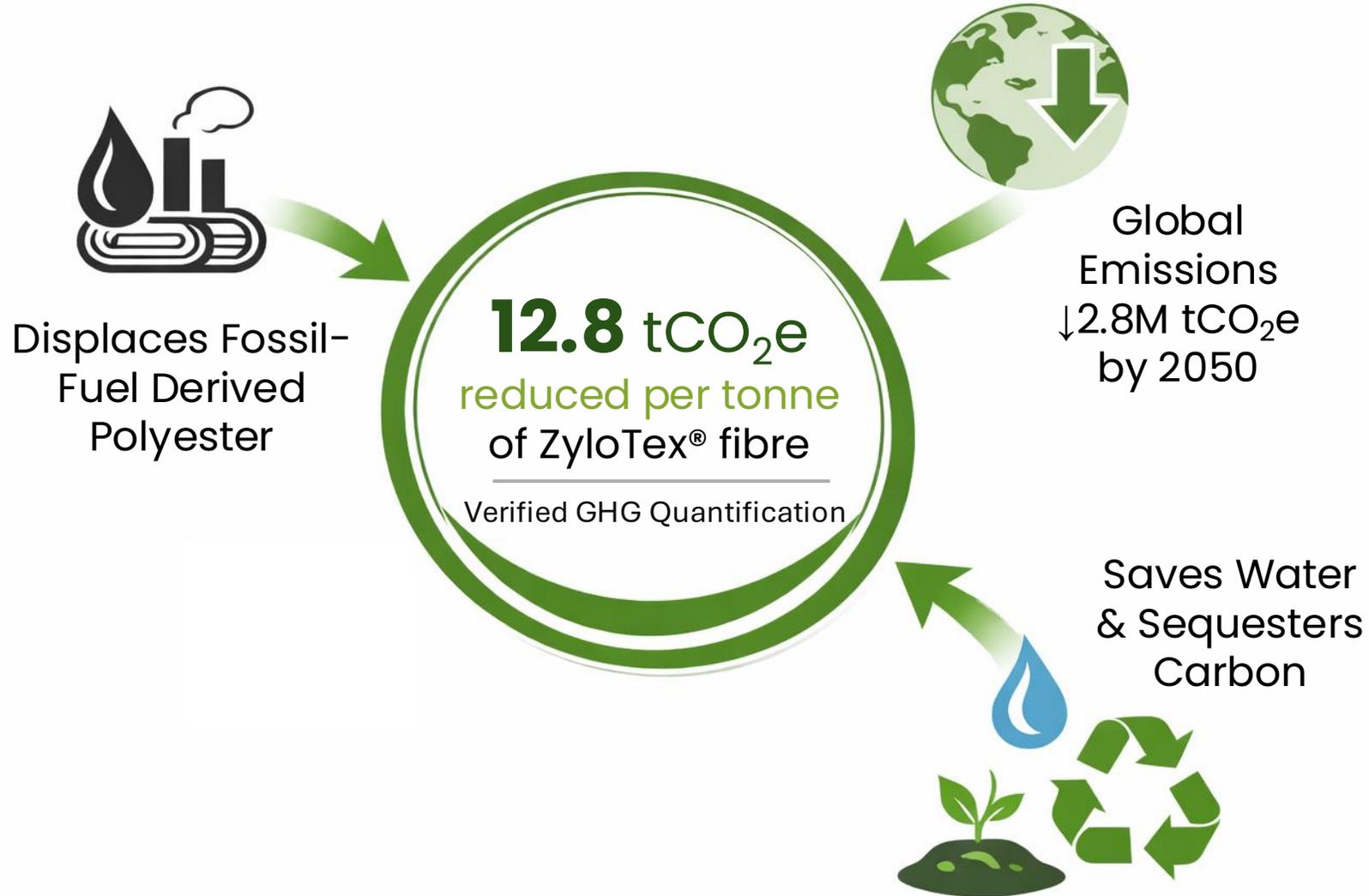
By turning **waste hemp straw** from **food and oilseed crops** into low-impact, circular fibre, we advance **nine UN SDGs** across:

- Sustainable agriculture
- Clean resources
- Climate action
- Biodiversity
- Resilient clean-tech economies
- Strengthening global sustainability partnerships.





Verified Climate Impact of ZyloTex®





The ZyloTex® Strategic Partners

Industry Partners

Research



Global Lyocell Market Leader



Exclusive JDA



Canadian Spinning Partner



Canadian Bio Crude Partner



ZyloTex® Research Partner



Independent Research Partner



ZyloTex® Pledge to Tree-Free Fibres

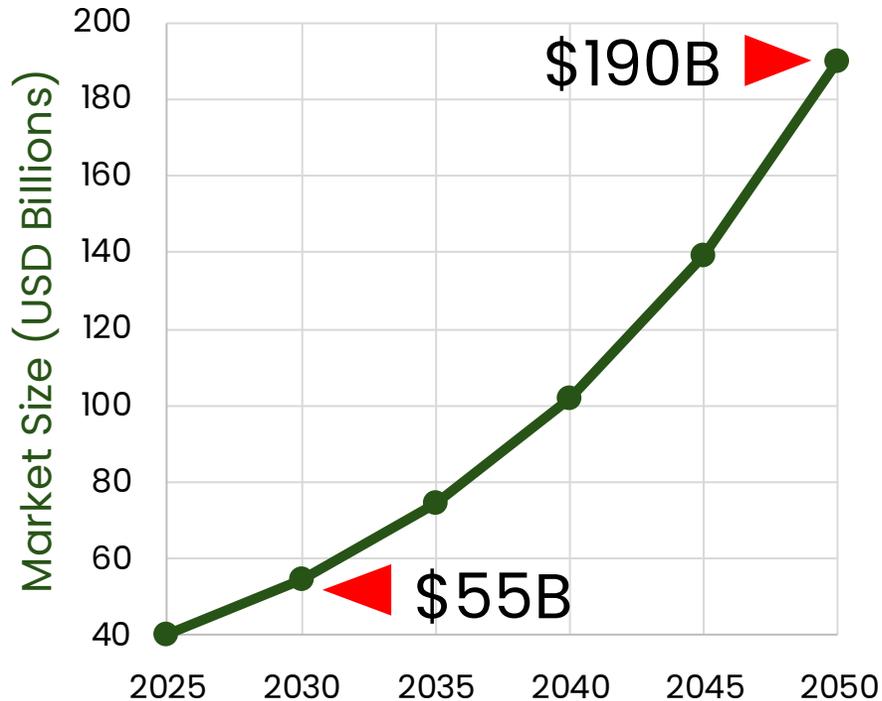


Independent Research Partner



ZyloTex®: Owning NextGen Fibre Market

The current \$40B next-generation fibre market is growing at ~6.5% annually.



TAM

2025: \$40B

SAM

2025: \$2-3B

SOM

2027: \$20m

2035: \$150M



ZyloTex® Offtake Agreements

**SUPRA SEEDS
CANADA INC.**

1,000 Tonnes/Year

 **Mark's**

20 Tonnes/Year

 **Plantae**
TECHNOLOGIES

400 Tonnes/Year

 **FiLSPEC** INC.
SPINNING KNOWLEDGE

38 Tonnes/Year

FIBER B BOND

350 Tonnes/Year

 **Davey** | TEXTILE
SOLUTIONS INC.*

18 Tonnes/Year

1,800 tonnes/year = \$16M 2026 Demand



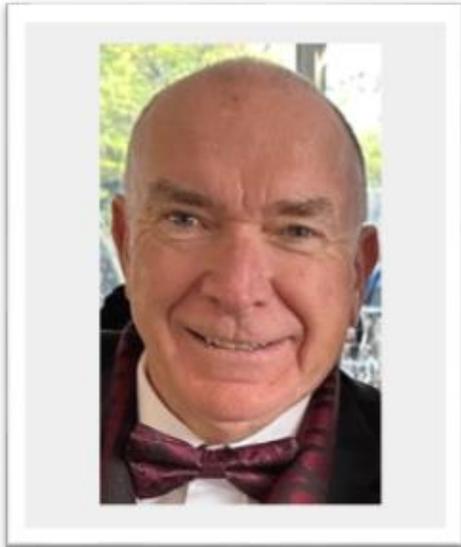
Competition

Capability / Attribute	ZyloTex®	Lenzing	Birla Cellulose	Sateri (RGE)	Next-Gen Startups	Domestic (Canada)
Regenerated cellulose fibre	✓	✓	✓	✓	⚠	✗
Non-wood feedstock	✓	✗	✗	✗	⚠	⚠
Agricultural residue (hemp straw)	✓	✗	✗	✗	✗	⚠
Domestic / near-shore (Canada)	✓	✗	✗	✗	✗	✓
Fully traceable feedstock	✓	⚠	⚠	✗	⚠	⚠
Low deforestation risk	✓	⚠	⚠	✗	⚠	⚠
Scalable industrial pathway	✓	✓	✓	✓	⚠	✗
Brand-ready ESG transparency	✓	✓	⚠	✗	✓	⚠
Complementary to incumbents	✓	—	—	—	✓	✓

✓ = strong / core capability ⚠ = partial / emerging ✗ = not core focus



The ZyloTex® Team: Ken Barker, CEO



Ken Barker is the Chief Executive Officer of ZyloTex®, with over 30 years of global experience in performance apparel and sustainable fibre technologies. Born in South Africa, Ken launched his career by founding an athletic apparel company, later acquired by Bata Canada. He went on to hold senior executive roles in South African apparel firms, leading global licensing deals before relocating to Canada in 1998.

In Canada, Ken served as General Merchandise Manager for Levi Strauss Canada and later as Director of Apparel for Adidas Canada. He was soon promoted to Head of Apparel for adidas North America, based in the U.S. In 2006, he co-founded The Meriwether Group, where he led early investments in emerging technologies—including Crailar Technologies, where he served as CEO. Under his leadership, Crailar pioneered bast fibre innovation, securing global partnerships with brands like adidas, IKEA, Georgia Pacific, Levi Strauss, Hanes Brands and Lenzing.

Before joining ZyloTex®, Ken founded his strategic advisory firm supporting growth-stage consumer brands, including BN3TH Apparel, and Nordic Kayaks. He brings a deep track record in scaling fibre-based innovations and resides in Las Vegas, Nevada, with his wife.





The ZyloTex® Team: Lelia Lawson, CTO, Founder



Lelia is the founder and Chief Technology Officer of ZyloTex®. She holds a BSc and MSc in Human Ecology (Textiles & Clothing) and is currently pursuing a PhD in the Department of Human Ecology at the University of Alberta. Her research focuses on regenerated cellulosic fibres derived from hemp feedstock.

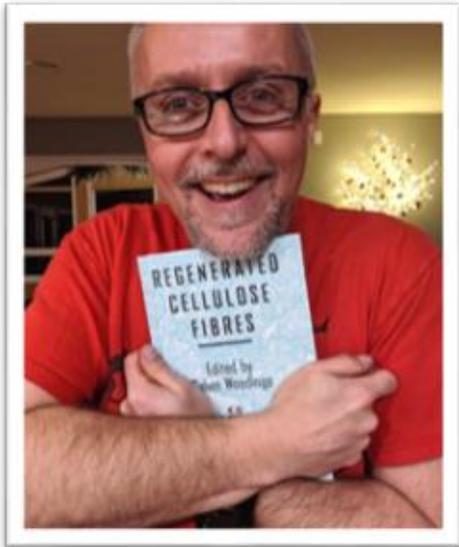
With over two decades experience in industrial personal protective clothing, Lelia brings deep expertise in textiles, product development, and quality systems.

Lelia leads ZyloTex® in sustainable lyocell manufacturing, serves on the Board of Directors for both the Canadian Hemp Trade Alliance and the Alberta Hemp Alliance, and is the Co-Chair of the Research & Development Committee for the Canadian Textile Industry Association. Her passion lies in unlocking hemp's potential as a cornerstone of the green economy, driving a vision of a regenerative, circular future for textiles.





The ZyloTex® Team: Wade Chute, CIO, Founder



Wade Chute, P.Eng. is the co-founder of ZyloTex® and Chief Technical Officer of Plantae Technologies Inc., with over 34 years of experience in biomass processing and fibre innovation. A licensed Professional Engineer (APEGA) and sessional instructor in Chemical Engineering at the University of Alberta, Wade combines deep technical expertise with a passion for sustainable materials.

His career spans mechanical and chemical pulping, MDF production, and extensive R&D in wood and agricultural fibres for pulp, composites, and biochemicals. As former President of Techfibre Industries, he led early-stage process design and R&D consulting across the bio-industrial sector. Today, Wade continues to drive innovation in renewable fibre technologies through his leadership at ZyloTex® and Plantae Technologies.





ZyloTex® Achievements

Non-Dilutive Funding

- Awarded \$3.75M grant by Emissions Reduction Alberta
- Final Review for \$3.75M grant from RDAR (Results Driven Agricultural Research)

Strategic Partnerships

- Global leader Lenzing in discussions regarding partnering
- Bio Crude partner Six Ring possible pulping solution from cellulose biomass waste
- Global pulping partner Mondi in discussions regarding idled pulping facility

Why it's exciting

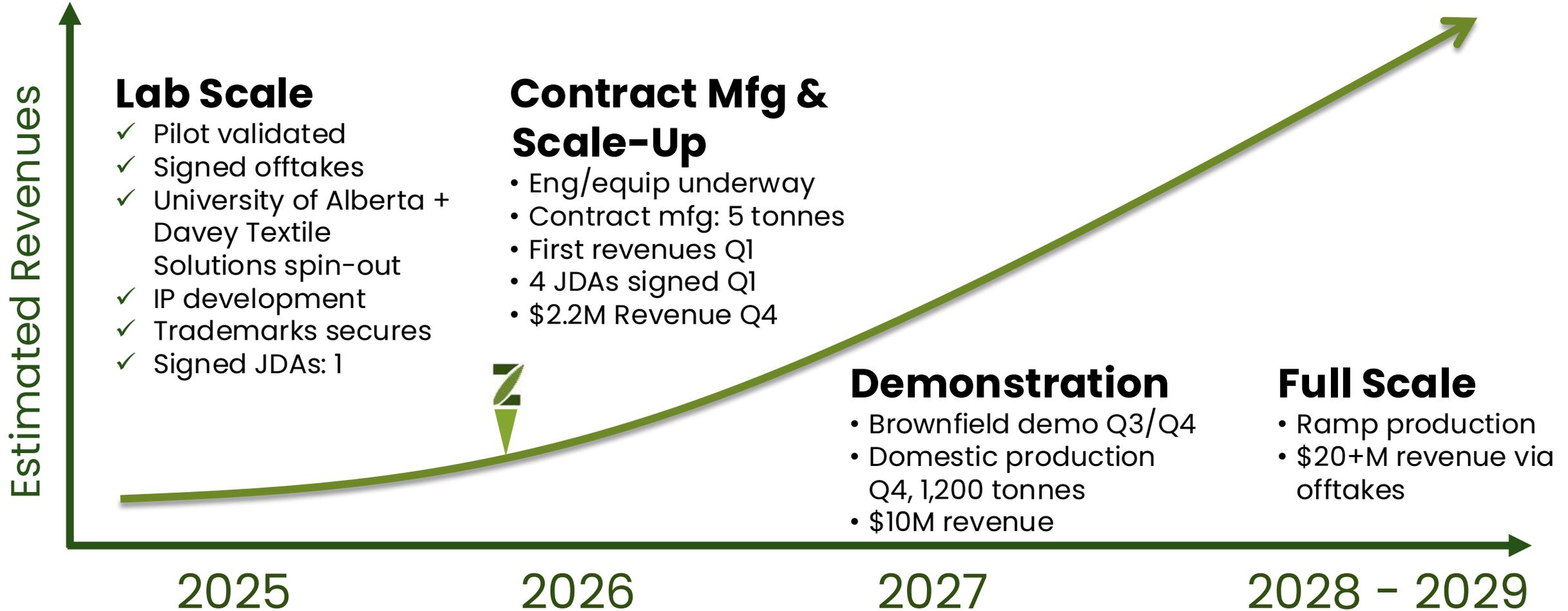
- Part of a \$40B global next-gen fibre wave (\$190B by 2050)
- Positioned at the intersection of agtech + cleantech + advanced materials manufacturing

Stage

- Signed offtake agreements 1,800 TPY = \$16M
- Demo facility planned in Alberta
- \$7.5M non-dilutive grants extend runway and lower capital risk



The Roadmap





ZyloTex® IP Strategy Roadmap

2025

Foundation & Protection

- Maintain trade secrets (know-how, NDAs, restricted access)
- Strategic publishing for defensive disclosure
- Trademarks secured: ZyloPulp™, ZyloTex®

2026

Engineering & Scale-up Prep

- File provisional patents (process improvements)
- Capture IP from collaborations; secure ownership
- Expand trademark portfolio (logos, slogans)

2027

Demonstration & First Revenues

- Convert Provisionals into PCT filings (international patents)
- Patents for industrial textile applications & supply chain methods
- Process IP: lignin/biogas valorization

2028 – 2029

Scale & Market Entry

- Expand filings to target markets (NA, EU, Asia)
- License ZyloPulp™ / ZyloTex® IP strategically
- Patent fences around demo learnings (plant design, hybrid pulps)
- Joint patents with industrial partners



Capital Raise Strategy

Non-Dilutive Funding

- \$7.5M in grants (ERA, RDAR, Alberta Innovates, Edmonton Unlimited)



Equity Raise

- Raising **\$3.75** in **\$1.1M tranches**, Seed/Pre-Series A
- Fuels \$10.5M demonstration facility build & scale-up

Revenue Timeline

- H1 2026: ZyloPulp™ sales + MVP ZyloTex® samples
- 2027: domestic production

- Matching grants already secured: leverage investor dollars 3:1
- Facility commissioning in 2027 = rapid line of sight to commercial revenue
- Positioned as Canada's first regenerative fibre company



ZyloTex® - Accessing Global \$40B NextGen Fibre Opportunity

Seeking a raise of \$3.75M, with a first tranche of \$1.1M

- ✓ Woman-founded with deep industry experience and research, highly skilled leadership team.
- ✓ 3rd party manufacturing revenue in 2026
- ✓ demo facility in Canada onstream 2027
- ✓ \$18M in revenue
- ✓ 17% IRR
- ✓ \$7.5M in committed non-dilutive funds

Establishing ZyloTex® as a sustainable textile leader in the global circular economy.



The Future of Textiles Is Here.

ZyloTex® transforms Canadian hemp straw into sustainable dissolving pulp and lyocell fibre, advancing clean-tech textiles and North American supply-chain resilience.



Contact Us!

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