

Textile Waste An opportunity, not to be Wasted.



At a *glance*

ノフ As an automotive manufacturer, we are always striving to improve the sustainability of our products. The approach and technology of *Re-Fresh* **Global** offers a high potential to enable the use of material from a previously unused waste stream of used textiles for high-quality and long-term use in our vehicles

Dr. Thomas Große, Fachreferent Forschung, Volkswagen AG We have some great

Our partners & clients





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companions on our journey



MEAVO

VTT

SOEX

I:CO





3 Patents

Staff, Experts & Leadership Members

500K€ 2024 Revenue projection

Tons of textile was rescued

25 Tons of CO2 was saved



Textile Waste Market Opportunity & challenge



65% Polyester 35% Cotton MACHINE WASH

Re/fresh

80% 400\$B

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business *case*

Outcome:

- C02 reduction by 35% compared to the use of current VW materials.
- Products demonstrated and approved by international VOLKSWAGEN management.
- First large scale off-take agreements in discussion.







what can we do for







Molding options for Automotive Manufacturing Line

Different samples from the past development process were made on the same automated manufacturing line used for current mass production—no need to alter any methods!





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Non-Woven technologies samples



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Assorted non-woven technologies, employing dry and wet options, airlay, needle punch, with and without carding, and with or without additives. The development of samples is customized based on customer data sheets and references for all parameters and functionality.









THE PROCESS & TECHNOLOGY









R&D options

Car Seat - Middle Layer

Re-Sanpulp[™] offers customizable composition and properties, suitable for filling, cushion padding, and non-woven layers. It can be developed for extrusion molding as a support material for car seats!





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LCA Life Cycle Assessment





Saves up to 97% of CO2 compared to landfill or incineration

For Every 1kg Cotton We Avoid 2.3kg Co2eg (Without Ch4) ** Planetech Calculator The Re-Nanotm Produces Only 0.05kg Co2eg ** Lab Scale Inhouse Lca

Re-fresh Global | Corporate Deck





Saves up to **150,000** liters of water for every 1 ton of raw pulp



R&D



Dr. Itzhak Shalev

Chief Technology Advisor Prof., Dean em Shenkar College & NCSU



Dr. Bjoern Schulz

Process engineer

With our *veteran leadership* of engineers, PhDs, and industry experts, our amazing visionary founders have the support and guidance they need to succeed.



Revital Nadiv Co-Founder, MBA FAB LAB DISNEP FILS



Gal Taylor Digital operations

Digital



Catherine Conaghan

Head of program automation

Re-fresh Global | Corporate Deck

HR

Danit Gal

Organization and People Management Advisor



Viktoria Kanar

Co-Founder, MA LVMH WZZ MARCCAIN

Marketing & Sales





Eva Kohne Project manager

and customer relationship

Colm Lehane Marketing & Social Media



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join us in changing the world, for a better future.

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