

**GREENFUL**

**Greenful** construction materials  
made from recycled waste

**GREENFUL**

**Business Presentation**

## CONCEPT

**Greenful** is a business born out of a problem, too much textile waste in the world and no way to dispose of it.

Textile waste was one stubborn problem without any solution

**We dedicate our lives to solving the textile waste problem**

Today **Greenful** is still one of the very few real solutions to the millions of tons of textile waste in the world.



## ECO FOOTPRINT OF THE GREENFUL FACTORY



**50,000** less tons of textile waste incinerated or landfilled, 30,000 tons of plastic waste, and 7,500 tons rubber waste recycled



**39,000** tons CO2 eq. saved from release in atmosphere



**135,000** m<sup>3</sup> of recyclable construction materials manufactured that will not be dumped in landfills or incinerated



Reputational gain, support of eco friendly construction

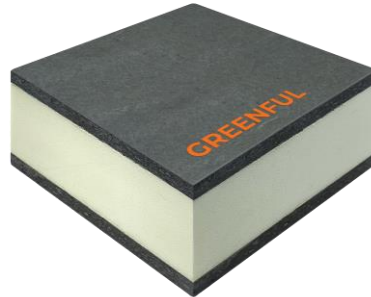
## GREENFUL PRODUCTS

**Greenful** products are the construction materials **made from recycled waste** that outperform existing materials in **strength, durability and CO2 footprint**

**Greenful** PANEL



**Greenful** SIP



**Greenful** ECOTILE



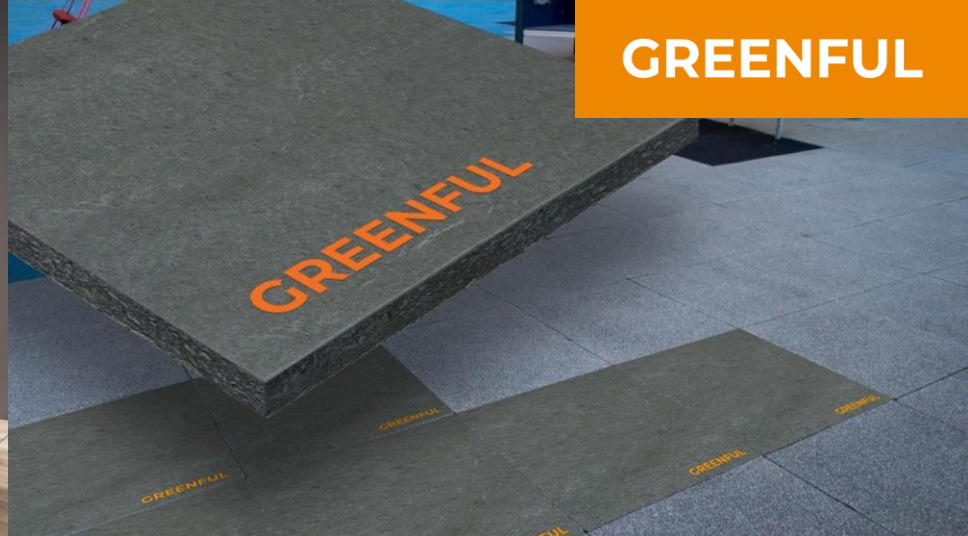
By 2028 **Greenful** will recycle 15% of all Europe textile waste with 10 factories operating, we can reach 60% of all textile waste by 2040 with 40+ factories



OUR SOLUTION



GREENFUL



## PRODUCT USAGE

70% of a house can be built from **Greenful** products! Every house built from **Greenful** products reduces CO2 in the atmosphere by 300 tons CO2 eq

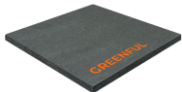
ECOTILE  
roofing tile



SIP PANEL  
exterior walls



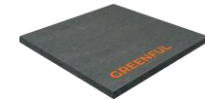
Greenful PANEL  
fencing



Greenful PANEL  
interior walls and furniture



Greenful PANEL  
exterior walls



ECOTILE  
paving bricks



## PRODUCT ADVANTAGES

**Greenful PANELS** provide a **number of advantages** over wood and other types of construction materials

### **Greenful PANELS** can be used in any environment

- Homogeneous material, equally strong in all directions
- Water and mold resistant
- Fire-resistant
- Recyclable into new panel at end of life

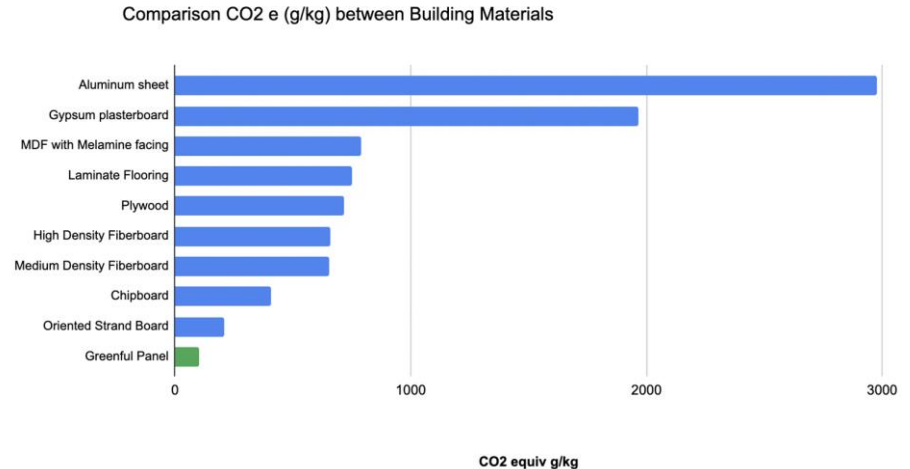


Pictures & Videos

<https://photos.app.goo.gl/ixa935Y6ZqYccyGR8>

## LOWER CO2 FOOTPRINT

- The **Greenful** panel is among the lowest CO2 footprint of any construction material
- Does not include the benefits of recycling the panel again into new panel at end of life
- Use of **Greenful** materials can help buildings achieve BREEAM or LEED environmental certifications



Data is from VTT Finland "Carbon Footprint for Building Products" published in 2013 (copy is available). CO2e is a sum of fossil based emissions calculated with help of IPPC weighting factors (for 100 years). The CO2e figures exclude the biogenic carbon dioxide emissions and sequestered carbon, an approach adopted by the ECO2-research project. Greenful panel data is per LCA study and includes CO2 saved by not incinerating textile waste



## PROVEN TRACTION

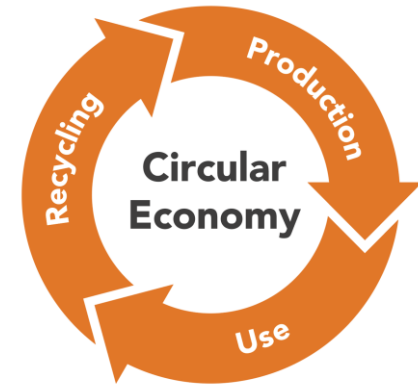
<p><b>LOI</b> in place to build 2 factories in <b>Netherlands</b> (2023-2025) and 2 factories in <b>Finland</b> (2023-2025), Germany, Italy, Spain, UK to follow</p> <p><b>1</b></p>	<p><b>Elomatic</b>, largest industrial engineering firms in Europe, has invested in Greenful equity and shall <b>implement and control</b> the factory build-outs</p> <p> <b>2</b></p>	<p><b>A strategic</b> partnership established with <b>KPMG</b> providing business advisory and technical services on a global basis</p> <p> <b>3</b></p>	<p><b>Technical DD</b> passed with the <b>EIB</b>, negotiating terms for financing 10 factory build-out. <b>75% of funding</b> for expansion in place (including partner banks)</p> <p> <b>4</b></p>
<p><b>Several tons</b> of panels have been completed for testing by major customers</p> <p><b>5</b></p>	<p><b>Samples</b> of Greenful panels have already been sent <b>to over 100 customers</b> across Europe.</p> <p><b>6</b></p>	<p><b>Product development</b> completed at TRL level 6. Successful trials making product in volume. <b>Management teams in place</b> at corporate and market level</p> <p><b>7</b></p>	<p><b>Production volume of the first factory, to start in Q1 2024, has already been reserved</b></p> <p><b>8</b></p>

## MISSION

**Greenful** is dedicated to the innovation of new recycling technologies to reduce the level of waste in the global environment

**Greenful's mission** is to

- innovate new products made from recycled waste that outperforms traditional materials
- thereby significantly reducing the level of waste in the environment
- while building a profitable, global business good for employees, partners and investors



**Greenful's vision** is to be a global manufacturer of construction materials with the largest impact on environment

TEAM



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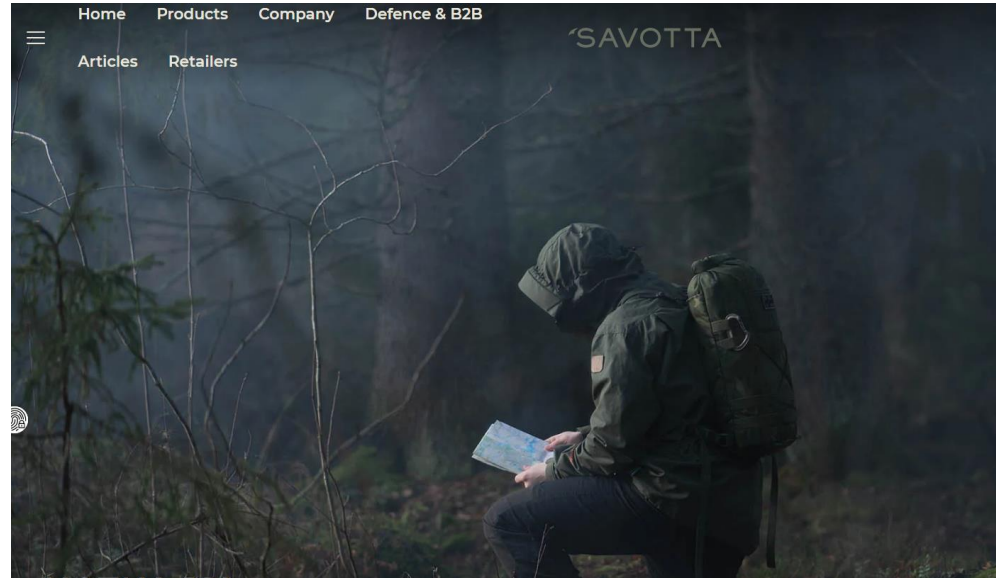
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Numerous partners!

**Finn-Savotta Hackathon** <https://www.savotta.fi/fi>

## Hyötyjä

- Ammattimaisesti järjestetty
- Asiantuntevia kommentteja
- Oppeja muilta, vertailukohteita
- Näki muiden kehityksen
- Tarkistuslista onko kaikki hoidettu
- Uusi yhteistyökumppani
- Savotan jäte hyötykäyttöön



**LETS SAVE THE WORLD  
TOGETHER!**

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