

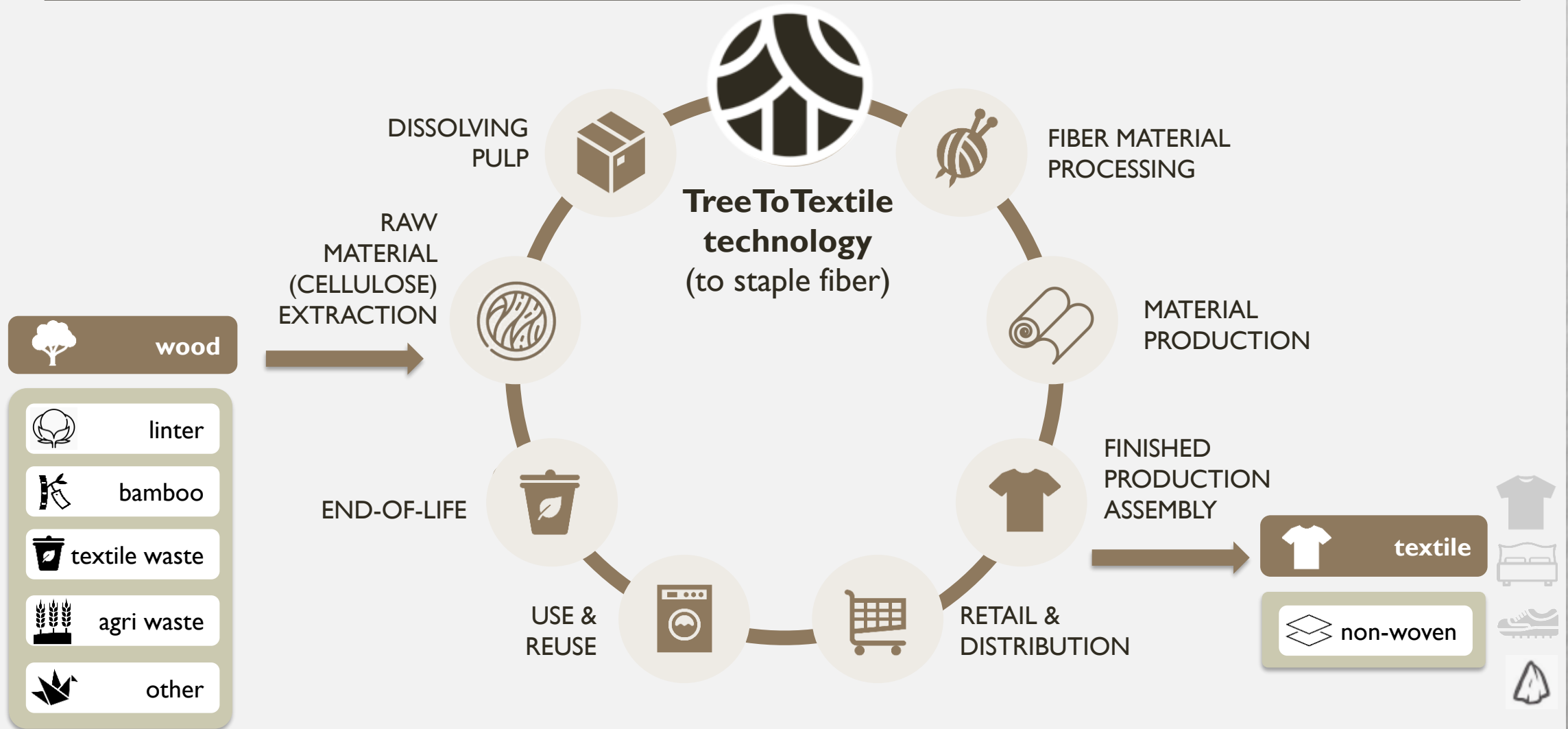


**Tree
to
Textile**

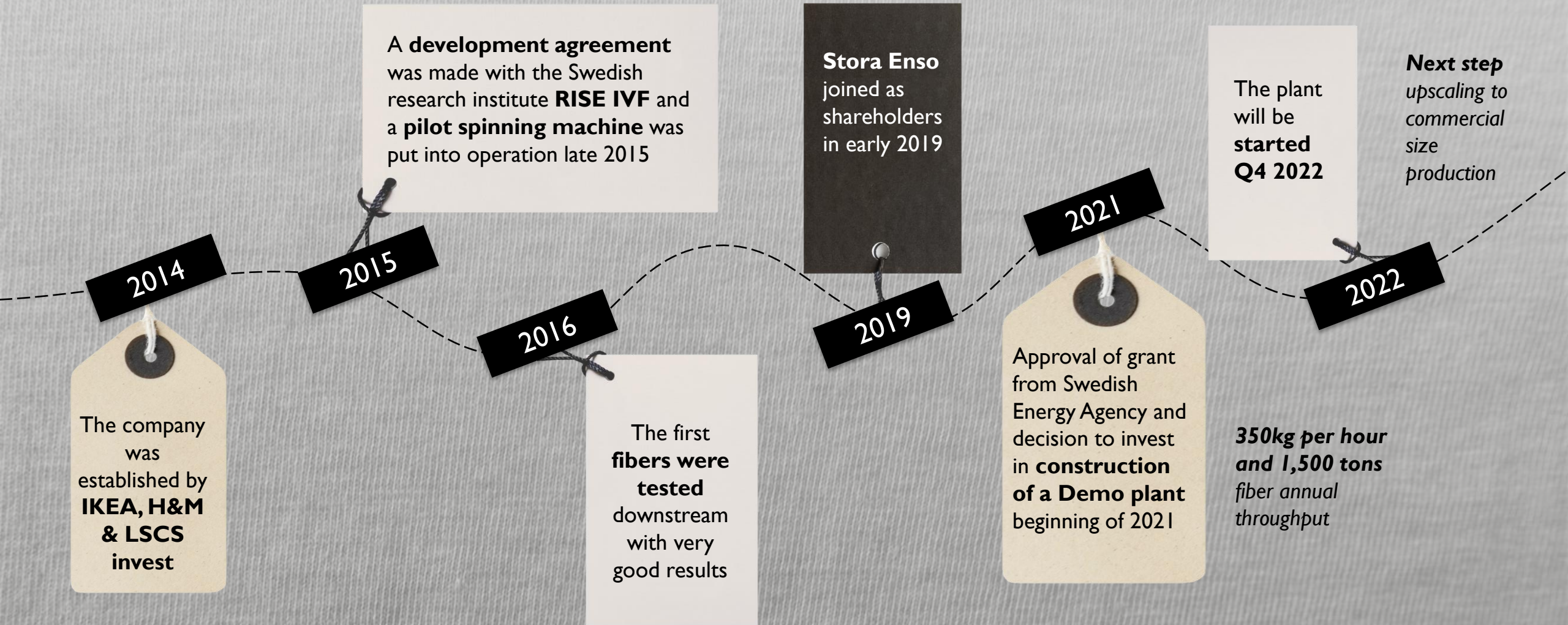
Kraftsamling Sverige

September 8, 2022
Åsa Östlund (Head of R&D)

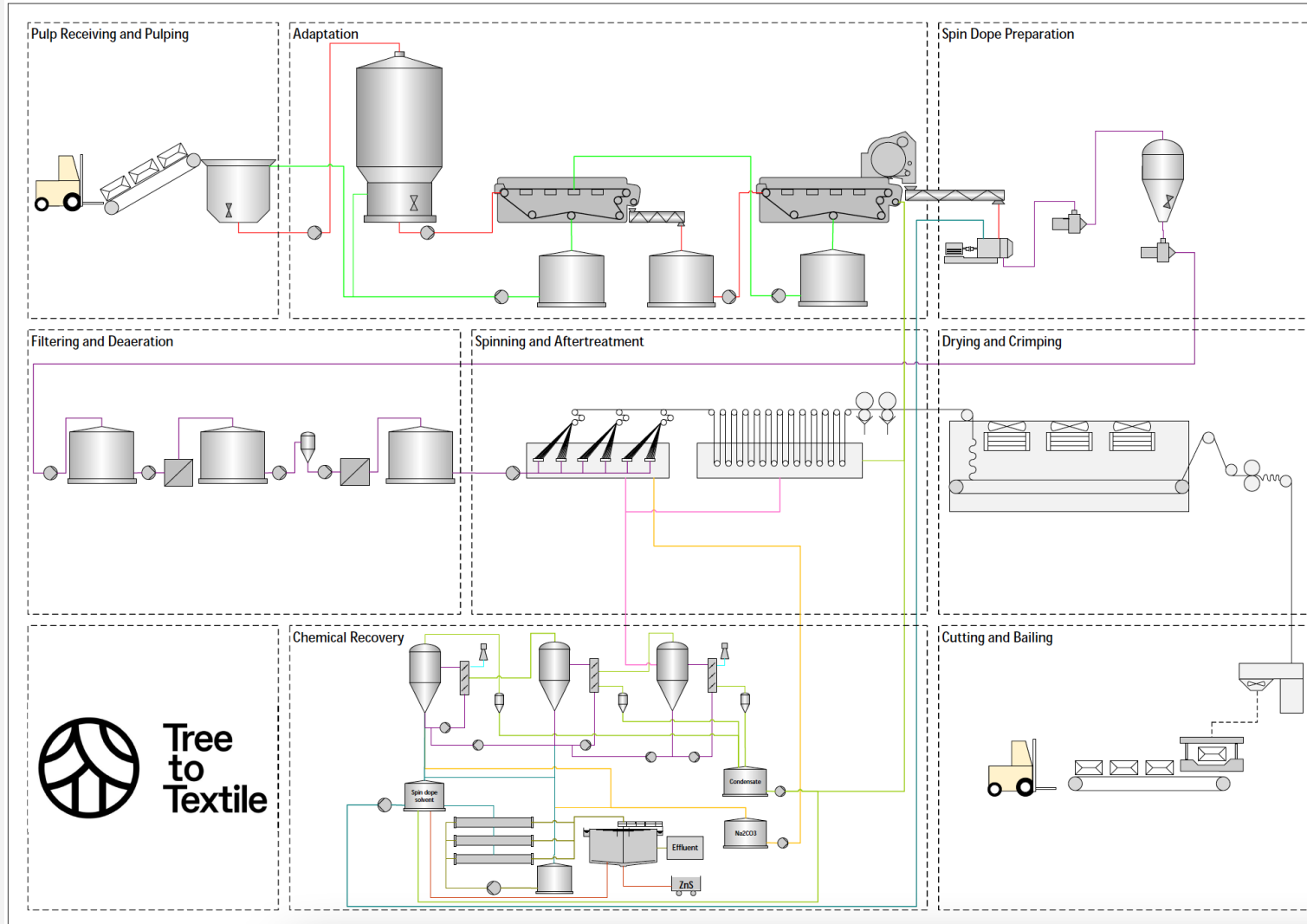
THE TREETOTEXTILE PROCESS WITHIN THE TEXTILE VALUE CYCLE



OUR JOURNEY IN BRIEF



TTT PROCESS OVERVIEW



Chemicals

- For TTT
 - NaOH, ZnO, Na₂CO₃ and H₂SO₄
 - No residue stream of Na₂SO₄
- For BAT viscose
 - CS₂, H₂SO₄, NaOH and ZnO

According to 3rd party verified LCA study based on data from pilot plant, the TTT process consumes

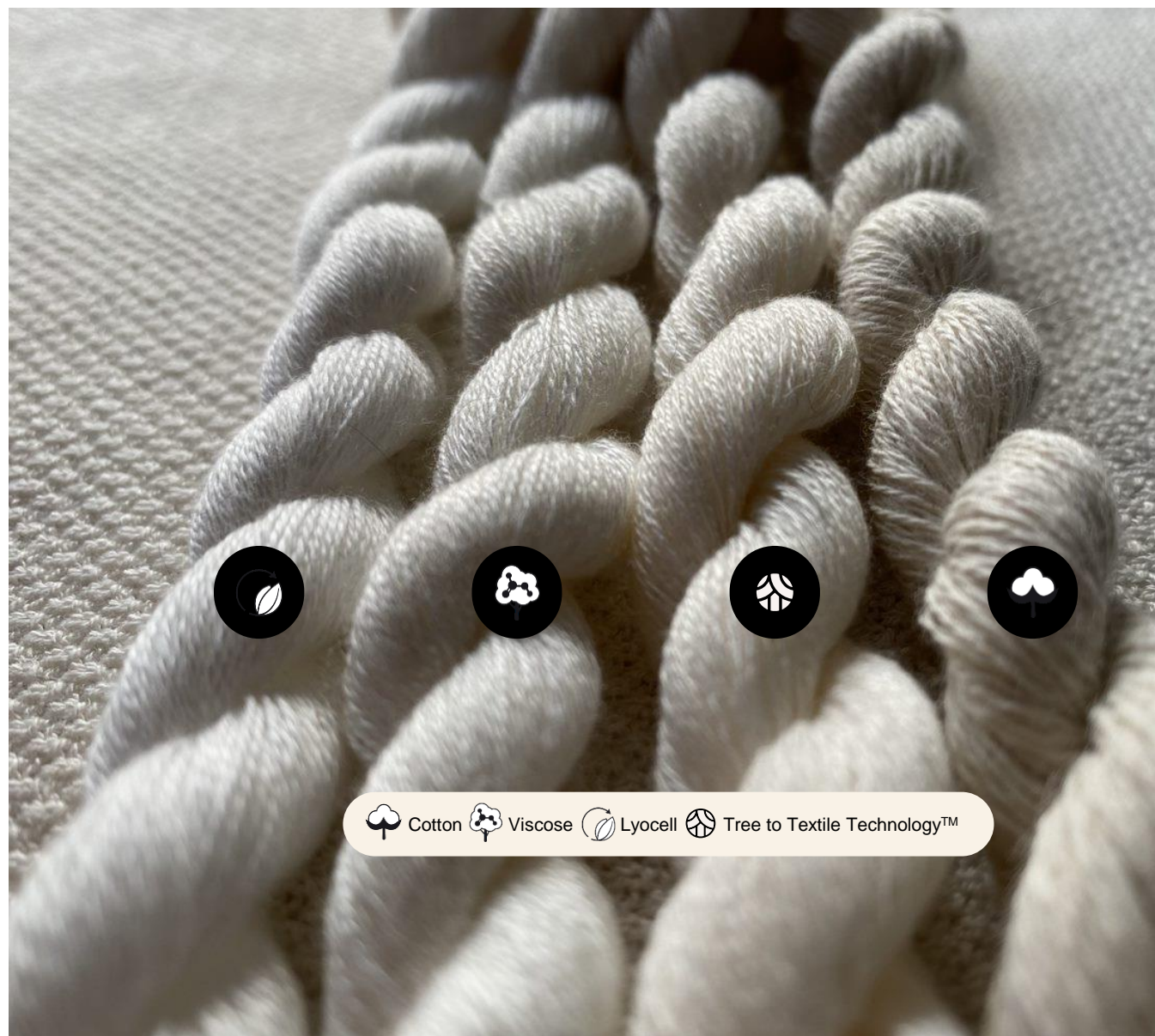
- **less energy**
- **less chemicals**
- **less water**

compared to best technology benchmark viscose production

TTT IN A NUTSHELL

- TTT has developed a unique biobased fiber with low environmental impact at a low cost., the TTT process consumes:¹
 - 33% less energy²,**
 - 70% less chemicals³, and**
 - 80% less water³***compared to best technology benchmark viscose production*
- The fiber is versatile and has the properties between cotton and viscose.
- TTT will make the technology available through licensing.

Note: ¹According to a 3rd party verified LCA study based on the data from pilot plant
² from dissolving pulp to staple fiber ~33%, from cradle to factory gate ~15%
³ from cradle to factory gate



BETTER FIBERS - TO ALL



Tree
to
Textile