

Technical Textiles

Technical Textiles should be positioned as a high-value, technology-driven vertical within the Shahapur project. Unlike conventional textiles, technical textiles are primarily designed for performance and functional applications, rather than fashion.

Major Technical Textile Segments

Segment	Applications
Agrotech 	Crop covers, irrigation textiles, agricultural nets
Buildtech 	Geotextiles, construction membranes, reinforcement
Meditech 	Medical gowns, masks, wound-care materials
Mobiltech 	Automotive interiors, airbags, insulation
Indutech 	Filtration, conveyor belts, industrial fabrics
Protech 	Protective clothing and safety textiles
Sportech 	Sports equipment and performance materials
Packtech 	FIBCs, industrial packaging, protective materials
Hometech 	Mattress materials, insulation, filtration
Geotech 	Soil stabilization and erosion control

Production Ecosystem

The Shahapur Fiber-to-Fashion concept can connect technical textiles to the same upstream supply chain:

Fibre



Specialty Yarn



Weaving / Knitting / Nonwoven



Coating / Laminating / Finishing



Technical Textile Product



Testing & Certification



