

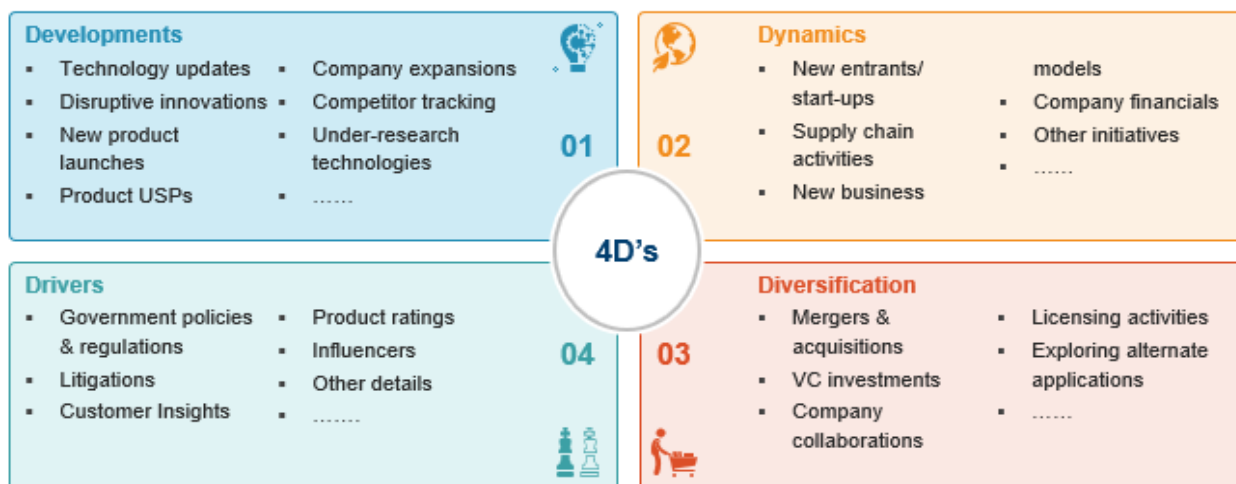
INTELLOTRACKER

Textile Recycling

April 2023








ARANCA'S QUARTERLY SECTORIAL UPDATE ACROSS FOUR DIMENSIONS....









DEVELOPMENTS

Technology/ Innovations		Anellotech has initiated advanced lab testing and scale-up activities to strengthen its Tex-TCat fluidized bed catalytic pyrolysis technology to recycle mixed textile waste directly into the same chemical feedstocks. Source: Recycling product news
Technology/ Innovations		Researchers have developed an innovative, invisible, indelible sorting label made of photonics particles to identify the fibre compositions for efficient sorting and recycling at the end of clothes' life. Source: Willy Online Library
Technology/ Innovations		Innovation in the patent is focused on recycling cellulose-based fibers from mixtures of cellulose and non-cellulose material. Separation can be done based on density difference after mechanical mixing in a tank. Source: Patent
New Product Launch		A leading childrenswear brand Frugi launched its new collection, 'Recycle Me', certified with the 'Infinitee' mark, which authorizes the clothes as recyclable and stands as a symbol of accountability and transparency. Source: Ecotextile news
New Product Launch		Materials science brand Pangaia is set to launch a denim jacket using Evrnu's NuCycl textile fibre made from pre-consumer cotton waste. Source: Ecotextile news










DYNAMICS

Supply chain activity		Check Sammy has introduced a consolidated recycling platform- "Drop", by allowing clothing retailers, manufacturers, and even multifamily apartment communities to deploy Drop Bags or Bins and schedule one-time or recurring pick-ups. Source: Cision PR Newswire
Supply chain activity		To improve the supply chain linkages, Accelerating Circularity has developed a database of textile recyclers', including the various commercial technologies for chemical and mechanical recycling of polyester and cellulosic material. Source: Textile World
Supply chain activity		A study on supply chain activity of the textile recycling domain reveals that the number of sorters present in the European region can only fulfil 22-35 per cent of the requirement of total installed recycling facilities in this region. Source: Ecotextile news
New business model		Toyota Tsusho has launched 'Patch Works, ' to accelerate the creation of a circular economy system by connecting RSC business providers with the parties from FSC, such as apparel brands, retailers, and consumers. Source: Company website






DIVERSIFICATION

VC Investments		Virginia-based textile to textile chemical recycling company Circ closes \$ 25 million investment in a recently conducted funding round participated by prominent investing industries such as Zalando, Avery Dennison and Youngone. Source: Business of fashion news
Company Collaboration		H&M and Remondis have launched a joint venture to build collecting-and-sorting infrastructure for clothing needed for recycling. It can be observed as the preparatory steps to match the recently developing European market requirements. Source: WSJ Sustainable business news
Company Collaboration		The recycling innovator, Recover and spinning machinery manufacturer Rieter teamed up to develop innovative technology in processing recycled textile material. Source: Company website
Licensing		Recently, RePEaT has signed an agreement to license their chemical recycling technology for decomposing & repolymerization of polyester material to Zhejiang Jianxin Jiaren New Materials Co., Ltd. Source: The Textile Magazine
VC Investments		Big investors are actively observing the opportunity in the textile recycling market, which will grow into a \$ 9.4 Billion market by 2027. A budding start-up ReTold attracts an investment of \$ 300 K for offering a solution to the textile recycling sector. Source: WWD Business news
Company Collaboration		Textile Change has collaborated with a biochemicals company Circa Group to adopt their biobased solvent- Cyrene, for developing sustainable and high yield textile recycling technology. Source: just-style news
Company Collaboration		In association with Re-Verso, Ralph Lauren has launched an initiative to issue paid postage labels for customers in the US, Britain, and European Union to send unwanted, one hundred per cent cashmere items from any brand to be recycled. Source: RobbReport article



DRIVERS

Government Policies		Proposed Senate Bill 707 would require producers to implement and fund an extended producer responsibility program to enhance recycling of textile materials. <i>Source: Recycling Technology news</i>
Government Policies		In compliance with the Massachusetts Department of Environmental Protection's policy, the City of Boston will not accept clothing and textiles in curbside trash and has offered two options for residents to dispose of their unwanted clothing and materials. <i>Source: Government website</i>
Government Policies		Following the directives of the European Union, Italy has announced the Extended Producer Responsibility (EPR) in the textile supply chain. <i>Source: Lexology news</i>

SOLUTION PORTFOLIO – TECHNOLOGY RESEARCH & ADVISORY



IP Strategy

Technology Intelligence

Growth & Strategy

How best can we proactively manage and monetise our technical knowhow / intellectual property?

How best can we keep abreast of technology trends, competitor activity and headwinds / tailwinds in our domain?

Which technologies do we invest in?
How do we ensure quick wins?
Speed to market?

- IP Portfolio Analysis

- Competitor Benchmarking

- R&D Strategy Roadmaps

- IP Monetisation

- Tech / IP Landscapes

- Technology Scouting

- IP Valuation

- Technology Watch

- Open Innovation

- Prior Art Searches

- Market Analysis / Trends

- Product Development



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