

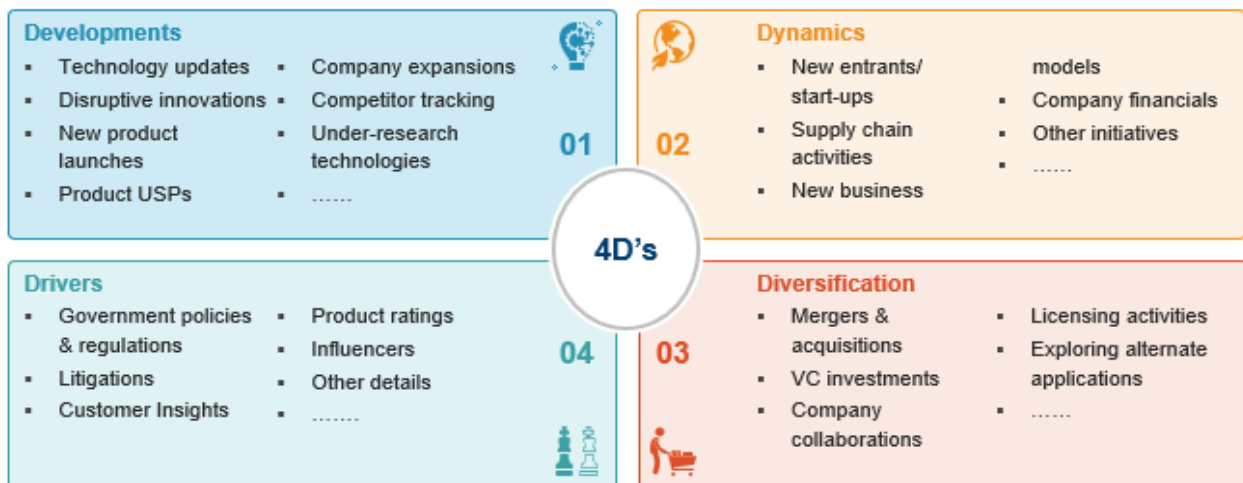
INTELLOTRACKER

Sustainable Barrier Coatings for Packaging

May 2023



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





DEVELOPMENTS

New Manufacturing Set-ups		Melodea has started a pilot scale facility to manufacture sustainable coatings for packaging of biscuits, cereals, ice cream and other fresh foods. <i>Source: Bakery and Snacks</i>
Technology/Innovations		Siegwerk's UniNATURE Water-Oil Barrier Coating has been successfully certified for single-use paper plates. <i>Source: Packaging Europe</i>
New Product Launches		Michelman has developed water-based Michem flex family of sustainable coatings for food, consumer goods and medical packaging and showcased the same at Pamex 2023 <i>Source: Packaging SouthAsia</i>
Technology/Innovations		Kelpi has been granted over £3 million in seed funding to contribute towards the development of its seaweed-based biomaterial coatings for recyclable and home-compostable packaging in the food, drink, and cosmetics sectors. <i>Source: Packaging Europe</i>
Technology/Innovations		Researchers have developed a shellac-based coating that may improve the gas barrier properties of a recyclable, compostable and sustainably sourced packaging material for instant, dehydrated, frozen and chilled foods. <i>Source: Food Processing</i>
Technology/Innovations	 	Researchers have developed a natural, biodegradable inner coating from tomato pomace for use in metal food packaging that offers a viable alternative to bisphenol A (BPA) <i>Source: Journal of Cleaner Production</i>
Technology/Innovations		The invention discloses the method of improving barrier property of the pectin gel to water vapor, oxygen and ultraviolet rays along with long-acting antibacterial activity. <i>Source: Patent</i>
New Product Launches		Actega launched its extensive portfolio of sustainable barrier coatings ACTGreen at Interpack 2023. <i>Source: WhatTheyThink</i>
Technology/Innovations		Toyo Ink Group exhibited its functional inks and coatings, adhesives and other specialty materials that help to reduce the amount of plastics used in packaging and that support the shift from multi-material to mono-material packaging at interpack 2023 <i>Source: InkWorld</i>



DYNAMICS

New Business Model		Toppan Specialty Films (TSF) has invested in a W&H Filmex II cast film line. This investment will help TSF in its vision to become a globally preferred supplier of specialty polymer films. <i>Source: Printweek</i>
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DIVERSIFICATION

Company Collaboration	 	Nelipak has collaborated with Eastman and is using Eastman's Eastar™ Renew 6763 to produce rigid thermoformed sterile barrier packaging. <i>Source: Medical Design and Outsourcing</i>
Company Collaboration		Jaguar The Fresh Company have eliminated plastic packaging from Jaguar's Chinese pomelo program by replacing individual wrapping on fruit with Citrosol's PlantSeal range of plant-based coatings. <i>Source: Company news</i>
Company Collaboration	 	Amcor has collaborated with Nfinite to use Nfinite's nanocoating technology to provide an oxygen barrier to improve performance for recyclable and compostable packaging. <i>Source: PR Newswire</i>
Company Collaboration		Bioplastic start-up Marea collaborated with Icelandic algae manufacturer Algalif to use leftover algae biomass to create a microalgae spray that can reduce the world's reliance on plastic packaging. <i>Source: The Washington Post</i>
Merger & Acquisition	 	UK-based pharmaceutical packaging supplier Colorcon acquired Airnov Healthcare Packaging <i>Source: Packaging Gateway</i>

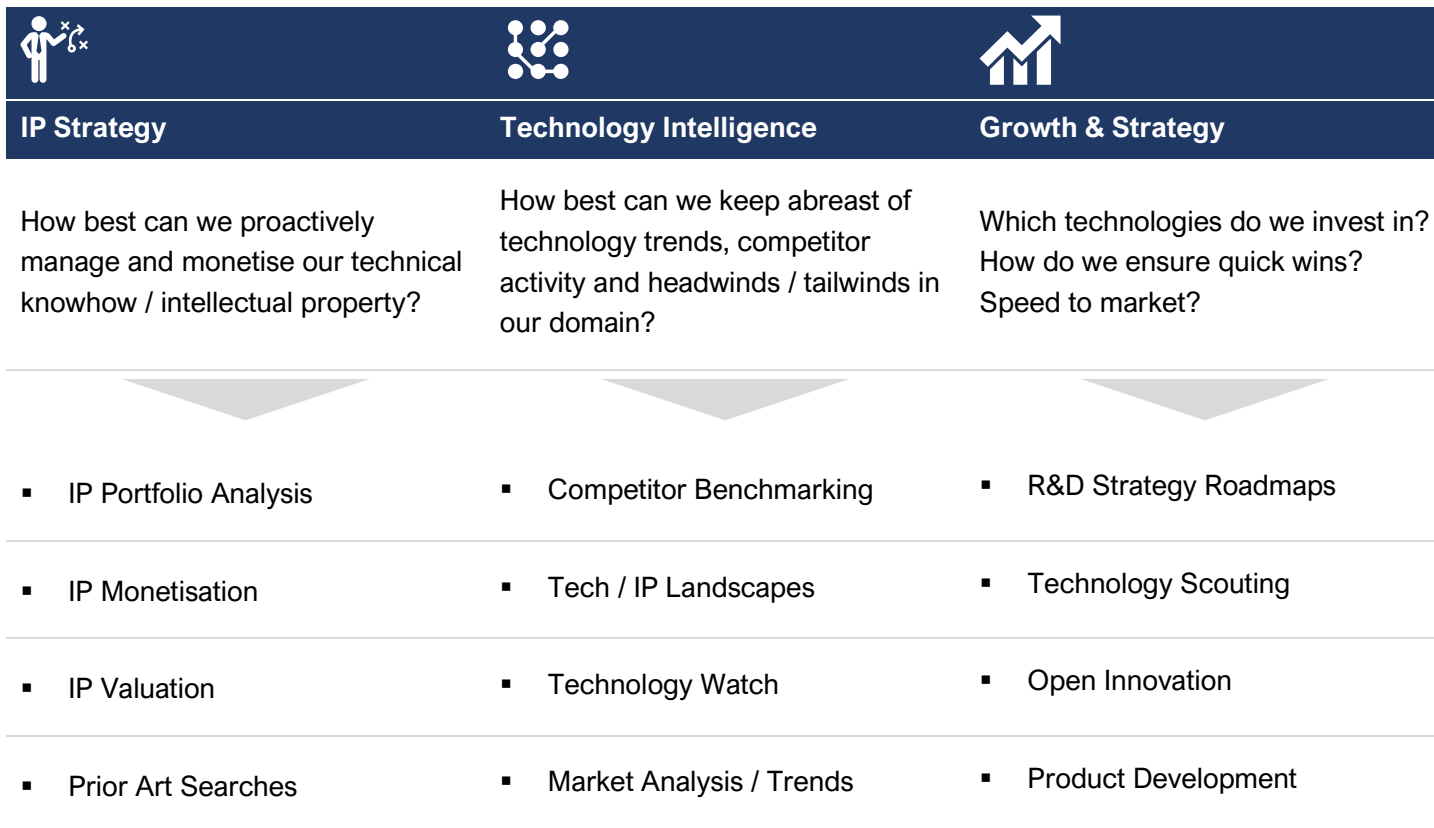


DRIVERS

Government Policies		DEFRA confirmed the imposition of ban on single-use plastics such as plates, trays, bowls, cutlery, balloon sticks, and expanded and extruded polystyrene (EPS) food and beverage containers (including cups) in England w.e.f October 2023. <i>Source: Resource</i>
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Government Policies		<p>France has imposed a ban on single-use plates, cups, and cutlery for meals consumed on-site in restaurants with 20 seats or more, in a bid to cut down on packaging waste w.e.f Jan 1st, 2023. <i>Source: Impakter</i></p>
Government Policies		<p>The Industry and Finance ministries in Thailand are using new corporate income tax reduction program to encourage businesses to use more biodegradable plastic products. <i>Source: Bangkok Post</i></p>

SOLUTION PORTFOLIO – TECHNOLOGY RESEARCH & ADVISORY



GROWTH ADVISORY	INVESTMENT RESEARCH & ANALYTICS	VALUATION & FINANCIAL ADVISORY	TECHNOLOGY RESEARCH & ADVISORY	PROCUREMENT & SUPPLY CHAIN INTELLIGENCE

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