

Orbit Selects Solutum to Bolster Antistatic Protection in Electronics Packaging, Alongside Increased Sustainability

Solutum film offers superior mechanical performance alongside holistic material end-of-life to minimize plastic waste

TEL AVIV, Israel – October 31, 2024 – [Solutum](#) Technologies Ltd., innovator of sustainable materials with a holistic end-of-life, announced that [Orbit Communications Systems](#), an industry leader in communications and defense systems, has adopted Solutum's sustainable packaging material for its electronics packaging.

This solution tackles antistatic deterioration in electronics packaging, which can compromise sensitive components, such as motherboards, during long-term storage. While current polyethylene packaging uses antistatic additives, these properties degrade after two years, leaving electronics vulnerable to static damage, especially for components requiring extended storage.

Orbit selected Solutum's novel material, which boasts inherent antistatic properties. Solutum packaging film ensures consistent protection throughout the long storage periods required by defense, electronics and automotive industries, which often demand parts be stored for [up to 10 years](#). Moreover, Solutum's material has the most comprehensive end-of-life solution on the market. The material can be composted in industry composting facilities or biodegrades in both water and soil, ensuring that Solutum-based packaging leaves no environmental impact.

"We sought a packaging solution that could offer reliability over time, especially for our defense and electronics customers who count on peak performance of every component in our systems," said [Dany Eshchar](#), President and CEO of Orbit Communications Systems. "Solutum's material delivers both performance and sustainability, providing the high-quality, long-term protection to system parts, while allowing us to minimize our waste footprint."

Solutum has supplied Orbit with polybags made from its patented compound, which are now being used across Orbit's global defense projects. Orbit, the first electronics company to adopt Solutum's solution, sets a new standard for sustainable electronics packaging with long-term protection of components. This aligns with the growing need for sustainable options in the electronics industry.

"We offer significant advantages for the electronics industry due to our material's inherent antistatic properties and superior punch resistance," said [Sharon Barak](#), Founder and President of Solutum. "In this industry, simply offering sustainability value is not enough. The electronics industry requires long-lasting durability for its packaging, a benefit we offer beyond current packaging films for electronics packaging. We see the electronics packaging industry as a key vertical that can gain Solutum's dual benefits."

Solutum film can be produced using existing machinery, ensuring compatibility with standard production processes, ensuring the scalability of the material globally. For global electronics suppliers who require large volumes of packaging film, Solutum's mechanical properties allow manufacturers to down-gauge material thickness. This results in less material volume required for the same packaging demands without compromising on performance, sustainability or cost.

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About Solutum Technologies Ltd.

Solutum offers a holistic solution to single-use plastic end-of-life on its mission to eliminate plastic waste. The company is scaling up production, providing a sustainable material for flexible packaging that delivers on performance and offers a holistic end-of-life for entities that employ a structured sustainability plan and those that don't. Solutum tackles waste at the source by enabling manufacturers to reduce the material used for packaging applications. At end-of-life, Solutum's material decomposes in industrial compositing facilities and biodegrades in soil and ambient water, leaving no environmental impact. Solutum material is compatible and working in existing converter machinery and processes. It's also being validated in machines made by packaging leaders.

For more information, visit: www.solutum.co and follow Solutum on [LinkedIn](#).

About Orbit Communications Systems

Orbit Communication Systems, a global leader in airborne and maritime communications, satellite tracking, and ground-station technology, revolutionizes global connectivity with cutting-edge solutions for the new space era. Our state-of-the-art systems are utilized on a wide range of platforms, including mission aircraft, trainers, rotary-wing aircraft, transport vessels, tankers, jet fighters and unmanned platforms. Our reach extends to naval vessels, armored land platforms, cruise ships, ground stations, and offshore platforms, ensuring comprehensive coverage across maritime and terrestrial domains. Orbit provides innovative, cost-effective, and reliable solutions to commercial operators, major air forces, navies, space agencies, and emerging New Space companies. Orbit is publicly traded on the Tel Aviv Stock Exchange and is under the control of the FIMI Investment Fund. Our global operations, encompassing production, marketing, sales, and customer service, extend across the US, Europe, and the Far East. For more information, visit www.orbit-cs.com.

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