



Roxo™, the FedEx SameDay Bot, to Cover New Ground

Roxo, the FedEx SameDay Bot, represents the company's ongoing commitment to innovation. Being designed to engage the rapid growth of e-commerce and the complexities and expense of last-mile delivery, while continuing our commitment to environmental sustainability and public safety, Roxo looks to address each of these areas by autonomously and safely traveling at moderate speeds on sidewalks and along roadsides to deliver smaller shipments to customers at their homes and businesses when they need them.

Roxo has been tested on the streets of Manchester, NH; Memphis, TN; Plano, TX and Frisco, TX to gather real-world performance data in a variety of environments and scenarios.



A New Industry

The growth of e-commerce has exponentially increased the volume of online orders, not just for products from other cities, states or countries but from around the corner by people who need items delivered to their homes and places of business.

Retailers are looking for ways to fill these orders by delivering them directly to customers' homes or businesses the same day. On average, more than 60 percent of merchants' customers live within three miles of a store location, demonstrating the opportunity for on-demand, hyper-local delivery – like a last-minute supplies from a general merchandise retailer to a family working on a school project, or a part from an auto store to a nearby repair shop working on a customer's vehicle.

Roxo's purpose is to fill retailers' needs by further expanding the existing FedEx portfolio of services to enable local, last-mile deliveries that FedEx drivers and couriers do not generally make – increasing the volume of shipments FedEx carries, not redirecting existing volume.

A Sustainable Solution

FedEx is committed to connecting the world in responsible and resourceful ways. As customers expect more products to be delivered to their doors, Roxo endeavors to meet this growing demand while minimizing environmental impacts.

Using a **battery-powered, zero-emission** bot to deliver small items to local customers can lessen the impact of trucks and customer vehicles in supporting this hyper-local e-commerce market.

Drawing on Years of Expertise

Being developed in collaboration with world-renowned inventor Dean Kamen, this effort brings together the extraordinary technological expertise of DEKA Research & Development Corp. and the global logistics expertise of FedEx. Roxo uses DEKA's established iBOT electric wheelchair base capable of negotiating rough terrain, traversing steps and steep inclines. DEKA reports the iBOT base has surpassed **10 million hours of reliable real-world operation**.

Roxo is another piece of the larger FedEx logistics ecosystem continuously in development and serves as the most recent demonstration of the company's higher purpose – to connect people and possibilities around the world.