

Delivery Robots, Competing with Peds for the Sidewalk.

The time is now for public right-of-way policy.

Delivery robots are being tested in many urban settings. Planning for robots to share streets and sidewalks is not a “far in the future” possibility but a near term probability. Policies and regulations to organize these new devices in the public right-of-way can avoid the confusion and unsightliness of the motorized scooters and bikes now plaguing our cities. It is time to be forward thinking and proactive.

Two prototypes are showcased below:

1. **STARSHIP TECHNOLOGIES, A revolution in local delivery.**
2. **DELIVERY. DAXBOT**

1. STARSHIP TECHNOLOGIES, A revolution in local delivery.



A revolution in local delivery.

We believe our robots will revolutionize food and package deliveries, offering people convenient new services that improve everyday life. Our proven ability to harness technology combined with our experience providing services to millions of people make this a reality. Launched in 2014 by Skype co-founders, Ahti Heinla and Janus Friis, Starship Technologies today operates in several cities across the world. Our business headquarters are in San Francisco with our main engineering office in Estonia.

Facts and Figures

Jul 2014	Company founded
Aug 2014	First robot prototype created
Nov 2015	Launch out of stealth
Jun 2016	5,000km of driving
Aug 2016	One million people encountered
Jan 2017	Starship announces \$17.2m in funding
May 2017	50,000km of driving
August 2017	100 cities tested in
September 2017	Twelve million people encountered
October 2017	100,000km of driving
April 2018	Service launched in Milton Keynes
June 2018	Starship announces \$25m in funding and new CEO, Lex Bayer
January 2019	Service launched in George Mason University campus
February 2019	30,000 deliveries completed

Link: <https://www.starship.xyz/company/>

2. DELIVERY. DAXBOT

Neighborhood Delivery • Facility Delivery • Event Drink Delivery



Dax Delivery Robots

Daxbot is putting interactive robots to work completing everyday tasks like delivery. Dax crews complete robotic deliveries of anything from food to medicine to coffee. If you need to deliver within your assisted living community, throughout your college campuses, or to a hole on your putting green, Dax robots get the job done. Plus, a Dax delivery service costs a flat rate monthly fee, calculated per Dax robot.

Features:

- Real-Time Delivery Tracking
- Temperature Controlled Cargo Bay
- Climate Control...Adjustable Up to 70 C
- Flat Rate Monthly Fee
- Delivery Radius...2.5-10 Miles, (Optimizable)
- Cruising Speed...4 MPH

HOW IT WORKS

It's time for robots that add to community and take human factors into account— Robots that are more of a “who” than a “what”: That's why we made Dax interactive. Dax was created to interact with humans as a kind of helper-robot.

Dax is one of the only interactive Urban robots in the world, using his head and two “eyes” to take an organic approach to communication.

An organic approach.

Inventions like Dax can stimulate the economy by bringing things that didn't used to be cost effective within our reach, and creating a whole new branch of industry. But we don't think that more tech savvy needs to mean less human.

A new branch of industry.

Dax is semi-autonomous— which means that he's self-driving. He uses its DaxOS operating system to drive himself and make smart decisions about how to get from one place to the next in a safe manner, without inconveniencing other sidewalk traffic.

When decisions come up that Dax isn't programmed to make, or that are too big for robots to make, one of our Dax quality control operators takes over.

Self-driving and safe.

Dax isn't just a new product, he's a new way of looking at robotics.

"...a report by McKinsey & Co predicted that by 2025 around 80 percent of "last mile" deliveries will be made by robots and self-driving vehicles. The work that Nova Dynamics, LLC is doing with Dax brings that possibility closer to reality."

— Corvallis Advocate

"...On the first count, likeability, DAX appears to have hit its target. Named after "Dex's Diner" in the movie Star Wars, where robots serve as waiters, the Nova Dynamics robot is decidedly cute, not scary."

— Freightwaves.com

"...the two-foot tall robot is no joke. He addresses the costly missing link between distributors and consumers, known as the last mile. As delivery times drop to hours, or even minutes, last-mile solutions have become a critical focus..."

— Oregon Business