

# Overview

Smart & Secure Mailboxes

Mailbox-as-a-Service (MaaS)

Secure, Seamless Movement of Parcels and Goods Between People, Robots, and Drones



### Forward-looking Statements

This presentation may include forward-looking statements based upon management expectations, goals and projections, which are subject to numerous assumptions, risks and uncertainties. Factors which could cause future results to differ materially from these expectations include, but are not limited to, the following: general economic conditions; legislative and regulatory initiatives; monetary and fiscal policies of the federal government; the costs of funds; general market rates of interest; changes in accounting policies or guidelines; the impact of any acquisition strategy; and other factors.



### Leadership













Dan O'Toole

**Mark Hamm** 

Chief Operating Officer

**Neeray Shah** 

**Todd Pepmeier** 

**Torrey Bievenour** 

Lora O'Toole

John Ritchison

**Corporate Counsel** 

#### **Chief Executive Officer**

Arrive (formerly Dronedek) Former FedEx VP of patent holder and a strong Innovation, ServiceMaster visionary of growth. Three previous corporate exits as a serial entrepreneur. Previous leadership roles held in startups and commercial real estate.

VP of Customer

Experience, AutoZone VP of IT, and serial tech entrepreneur and founder. Expertise in strategy, marketing, innovation, ops, software, IoT, SaaS, big data, ML, retail,

logistics, and services.

ServiceMaster.

**Chief Strategy Officer** 

Techstars-backed venture participant, with successful startup project launched from its incubator program. Rich drone industry background. Prior experience leading initiatives within the autonomous delivery space.

Chief Financial Officer

Financial exec in automotive, aerospace, healthcare, and earlystage tech. Former divisional CFO Rolls-Royce, Plc defense business unit. Co-founded RPA startup serving clients Experienced in enhancing like Ascension Health. Successful exit via strategic acquisition.

Chief Technology Officer

Domain expert in lighting entertainment, architectural. and custom-commercial work. Knowledge in electronic, mechanical, optical, thermal, and standards-based design. automation processes and speed-to-market.

**VP Business Development** 

Business Development, Sales, and Marketing with startups in Drone Industry. AUVSI Treasurer Indiana, AUVSI President Denver. Awarded 30under-30 in the Logistics and Advanced Manufacturing in Indiana by Conexus.

Operating officer of a European division of General Motors and credited with the establishment of Arrive's (formerly Dronedek) intellectual property portfolio.







































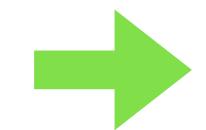


# Leadership in Autonomous Logistics Operations will determine who wins and loses in the future.



### Autonomous Logistics = Operational Transformation

### **Conventional Logistics**



### **Autonomous Logistics**

Centralized

Decentralized

Scheduled

**On-demand / JIT** 

Asset-intensive

**Asset-light** 

Labor-centric

**Data-centric** 

Costly

Commodity

**Economic Order Quantity** 

**Convenient Order Quantity** 



# Autonomous Logistics have Arrived

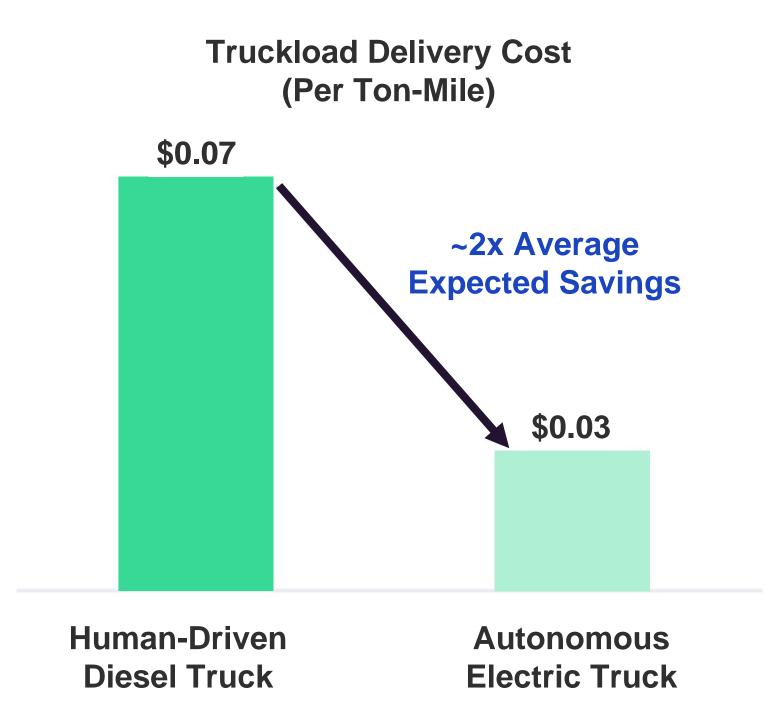
<b>Drone Delivery</b>	Notable Facts	Areas Served	
zipline	600,000+ deliveries and 37M+ miles flown <sup>1</sup>	Africa (4 countries), Japan, USA (3 states) <sup>2</sup>	
G Wing	330,000+ deliveries; working with Walmart <sup>3, 4</sup>	Australia, Finland, and USA (2 states)5	
amazon Prime Air	100+ deliveries under 30-minute delivery <sup>3</sup>	USA (2 states) <sup>6</sup>	
Walmart > DroneUp	6,000+ deliveries in 2022 (Walmart also using Wing, Zipline, Flytrex). Goal of 1M drone deliveries/year. <sup>7</sup>	USA (34 locations across 6 states) <sup>7</sup>	

Robot Delivery	Notable Facts	Areas Served	
STARSHIP	Over 5 million deliveries <sup>8</sup>	UK (10 sites), Estonia, USA (30 sites across 18 states) <sup>9</sup>	
AETHON	1,000+ TUGs have collectively transported over 100 million pounds of goods <sup>11</sup>	Australia, China, Germany, Singapore, Turkey, USA (300 sites across 24 states) <sup>11</sup>	
OI.YMONOTTO	Uses AI/ML to make autonomous CPG deliveries across a range of markets <sup>12</sup>	Spain, UAE, Norway, USA (3 states) <sup>12</sup>	
*fetch	1,000+ robots have collectively transported 10 million orders <sup>13</sup>	Belgium, France, Germany, Japan, Singapore, USA (100 sites,25 states) <sup>13</sup>	

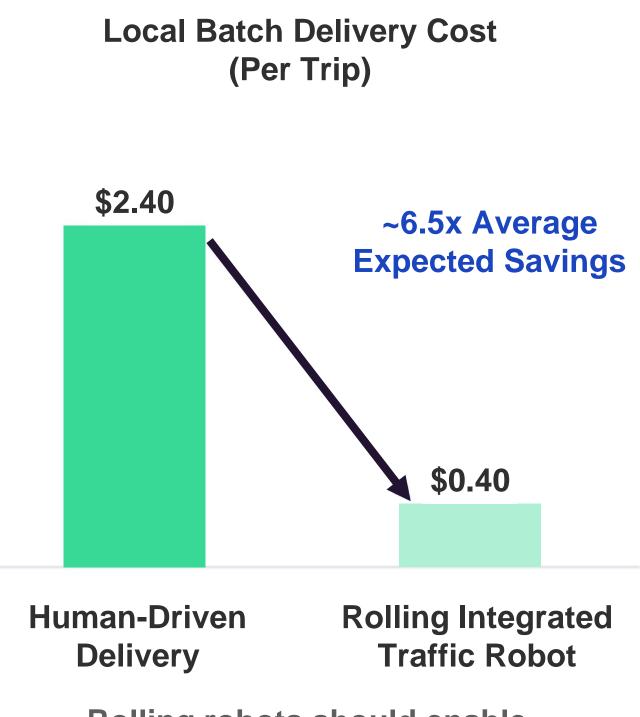


### Autonomous Vehicles Could Lower Costs Across The Supply Chain

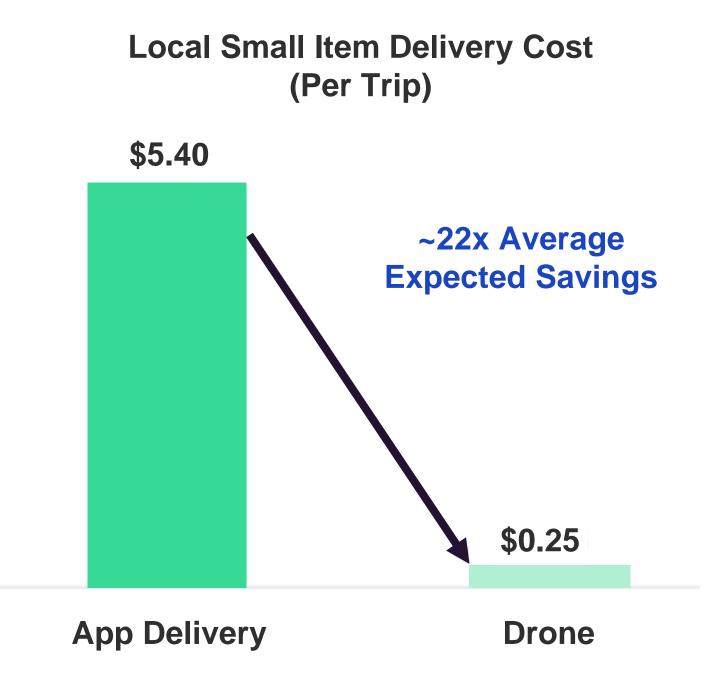
According to ARK Invest research, autonomous vehicles should operate at higher utilization rates than human-in-the-loop systems, creating more cost-effective delivery systems for small volumes in the last mile.<sup>1</sup>



Autonomous electric trucks should benefit from higher utilization as well as lower maintenance and labor costs than human-driven diesel trucks



Rolling robots should enable inexpensive and convenient delivery, reshaping consumer shopping habits.



Autonomous drones are likely to deliver a substantial share of e-commerce parcels and online food sales.



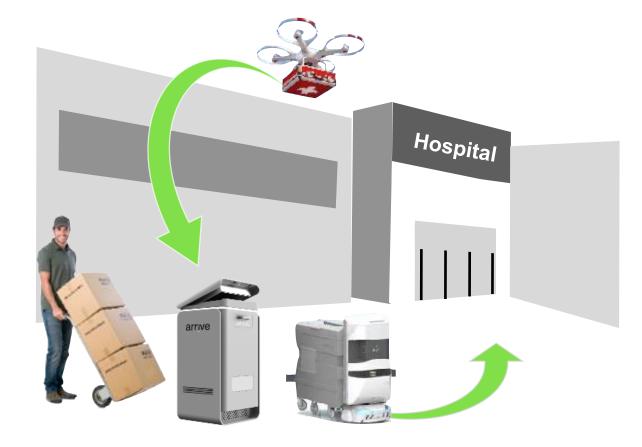
### Multiple Smart & Secure Models Offered in Our Mailbox-as-a-Service

#### Arrive's Maas platform is:

- Simple
- Flexible
- Pay-as-you-go
- All-in-one service

#### The platform includes:

- Installation
- Support
- Software platform
- Data
- Al insights















# Arrive Enables the Last Mile of Autonomous Logistics



#### Secure

Cameras and other sensors integrate with security and home automation networks. Secure and tamper proof for parcel/porch piracy.



#### **Chain-of-Custody**

Advanced access controls, recognition, and signatures for controlled substances and proof-of-delivery.



#### **Climate-Assisted**

Assists packaging in maintaining temperature ranges with heating and cooling to maintain room-temperature.



#### **Smart Features**

Authentication, access controls, chain of custody, real-time status notifications, package reading, temperature and weather sensing.



#### **Asynchronous Delivery**

Deliveries require no human presence for drop-off or pickup. Eliminates missed deliveries and resends.



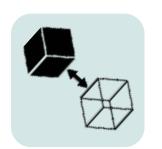
#### **Automated Delivery Marketplace (ADM)**

ADM platform assures delivery/pickup times and mailbox space reservations with promo options.



#### Mailbox Financing Exchange (MFE)

Our MFE platform helps the whole ecosystem share the financing cost of a customer's Arrive Point.



#### **Digital Twin**

Digital twin API for real-time and historical status, notifications, configuration, terms, weather, maps, SLAs, software/ML OTA.



#### Reconfigurability

Mailboxes hardware platform designed to be flexible modular building block. For maintenance, Innovation, future-proofing.



#### **Cradle-to-Cradle Design**

Environmentally friendly by design. Accounts for entire product lifecycle; sourcing, manufacturing, recycling, and reuse.



### Features Roadmap

### Deployed



**Package Security** 



**Climate-Assisted Interior** 



**Supports Traditional & Autonomous Delivery** 



**Remote Access Via App** 



**Anti-Theft Tamper Alarm** 



**Heated Door & De-icing** 



**Weatherproof Design** 



**Emergency Lighting Alerts** 

#### **Future**



Interior & Exterior Camera Views



Wireless Charging (Drones, Robotics, EVs)



**Adjustable Interior Cabin** 



**DocuSign Enabled** 



Connectivity & Data Insights



**Reverse Logistics** 



**GPS Location Enabled** 



**Solar Powered** 





# **Every Arrive Point Provides a Network and a Platform for all Partners and Customers**





#### **LOCATIONS**







Campuses



Businesses

#### **DELIVERY & PICKUP | TRI-MODAL | AUTONOMOUS**



Drone



Robots



Couriers & Carriers

#### LAST-MILE NETWORK









Parcels

Medical

Food

Retail

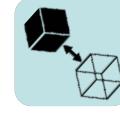
#### PLATFORM FOR AUTONOMOUS OPERATORS



Automated Delivery Marketplace



Mailbox Financing Exchange



OTA, Digital Twin



AI/ML Data Insights

# Arrive | Medical Ops

### **APPLICATIONS**

- Weekend/Off-hour lab sample deliveries and pickups first by courier then by drone
- Improved people and automation exchanges as a smart cross-dock
- Outside supply closet for Just-In-Time kits, tests, pharmaceuticals, and other inventory delivery - first internal and then with partners
- Rapid and reliable inventory and drug movement/repositioning on campuses or in cities
- Pharmaceutical or biologic delivery with climate-assist, advanced security, and chain-of-custody
- Other critical Jobs-to-be-Done needing smart, secure, and seamless exchanges between people, robots, and drones

- "Medical Operations that adopt Human-Machine Teaming will be the leaders."
- -Forrester

### **BENEFITS**

- Increased efficiency by delivering critical supplies and medicine, 24/7, directly to the point of need, just-in-time.
- Reduced costs by reducing human labor, delivery inconsistencies, and cycle-times.
- Providing better patient care by freeing staff to focus more critical activity



### **Business Model**

#### Mailbox-as-a-Service ARR

- Recurring subscription models for B2C and B2B
- Mailbox Financing Exchange splits/shares these costs

21.2B¹ packages shipped in 2022 152.2M² residential addresses at \$30/mo, \$360 ARR 12.7M² commercial addresses at \$300/mo \$3,600 ARR

\$1.6B

#### AI/ML Data Insights Monetization

 Customer profile, transaction, and environment data aggregated for ML/AI provide insights for partners and customers Generated from improved marketing, delivery operations, and reverse logistics

#### **Automated Delivery Marketplace**

- Carrier agnostic platform, open to all couriers and services
- Shippers pay for reserved times, space, ops data, promos

Coordinated reservation times and limited MaaS capacity create limited supply, leading to higher demand; marketplace to collect transactional premiums

\$1.9B

At penetration of the first 1% of US Market =

\$3.5B

165M deliverable US addresses, growing at 1% per year.<sup>1</sup> International markets estimated to be 2X in value and scale.

NOTE: Arrive is currently pre-revenue and establishing product-market-fit with MaaS pilot projects and partners.



### Competition

# SMART MAILBOXES & LOCKERBOXES

Neopost

**InPost** 

SEL

PackageButler

Cleveron

# AUTONOMOUS DELIVERY SERVICES WITH EXCHANGE TECH

Wing

Zipline

DroneUp

Ottonomy

Starship

Providers competing on convenience, flexibility, traceability, and security

Smart locker capabilities
AND A UNIQUE PLATFORM
for frictionless last-mile autonomous
drone and robotic logistics

arrive

Autonomous drone and robotic delivery providers (deliveries made by winch and tether, direct or parachute drop, or no drop)

#### **Go-to-Market Notes:**

- Autonomous Logistics are necessarily collaborative
- Customer Success requires four collaborative parts:
  - 1. Automation
  - 2. Automation Operations
  - 3. End-customer ROI
  - 4. Arrive



### Milestones



2021

#### 2020

- First and second angel investments (\$2500 invest now worth \$14,000)
- REG CF crowdfunding campaign on WeFunder starts

- Historic crowdfunding campaign closes. Approx. \$3.5M raised from 4,338 investors
- Company earns the distinction of being the highest valuation pre-revenue company to ever successfully crowdfund in the history of crowdfunding
- Residential and commercial Gen-1 MVPs developed
- 20 Gen-1 units built and tested in Gen-2 IP filed, designed, and multiple residential and business demos and pilots
- Strategic partnerships
- \$5M in funding

#### 2022

- REG CF crowdfunding campaign on StartEngine commences
- Lawrence, Indiana USPS delivery pilot | Multi-week, multi-unit, (Beyond USPS participants: DoorDash, McDonald's, Culver's & Uber Eats)
- Newly announced strategic partnerships
- Upgraded board of experts
- manufacturing started

#### 2023+

- \$1.3M raised from 416 investors via REG CF campaign on StartEngine
- Gen-2 MVP shipped Q1
- Roadmap of customer-driven product design improvements
- Precision delivery development with multiple drone partners
- Targeted go-to-market of medical ops and assisted living - revenue generation expected
- Rebrand to Arrive
- \$7M total funding
- Newly announced strategic partnerships





 Dan O'Toole first has the idea for a receptacle that secures and protects drone deliveries

 First patent filing, beat Amazon by 4 days

### **Patent Overview**

- 3 Awarded US Patents | 71 approved claims
  - US Patent 9,840,340 | Drone docking station and delivery system | 12/14/2014
  - US Patent 10,457,421 | Drone docking station and delivery system | 10/19/2019
  - US Patent 11,738,883 | Expanding floor/accordion drone docking station | 08/29/2023
- 3 Pending US Patents | 78 pending claims
- International Patents (Non-US) | 1 awarded | 1 allowed | 44 pending claims
- Freedom to Operate studies done in 2018 and 2021 by third party patent firms confirm company's patent positioning.

Companies who filed similar IP <u>after</u> Arrive's application for drone docking station and delivery system:













# Industry Leader in the Last-mile of Autonomous Logistics

- Arrive is a pre-revenue private technology company with a robust IP portfolio and a unique MaaS and ML/AI platform solution.
- Strong leadership team of experienced professionals with a proven track record of success in related industries.

- Arrive is a unique and critical building block for the last inch of the last mile of Autonomous Logistics Operations.
- We are raising a new round of funding before an anticipated future public listing, and already have the Nasdaq ticker reserved (ARRV).

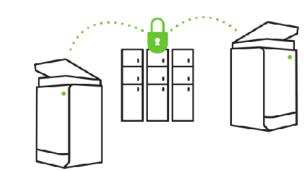
#### **Use of Funds**



Finish product-and market-fit and scale



Increase lead in last-mile autonomous logistics



Continued innovation of last-mile autonomous logistics solutions



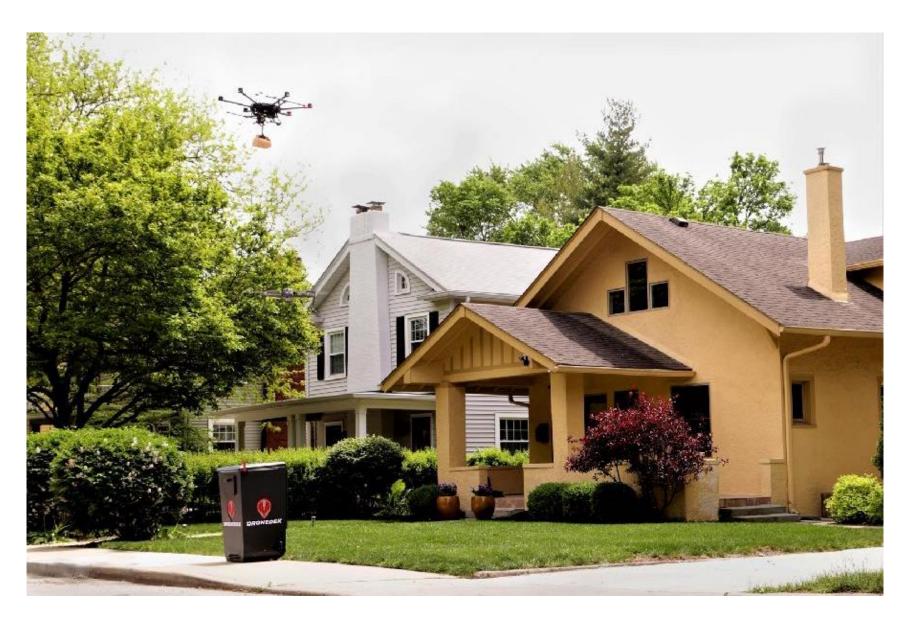
List on Nasdaq and become a publicly traded company

To learn more about our company and this investment opportunity please contact us at investorrelations@arrive.tech

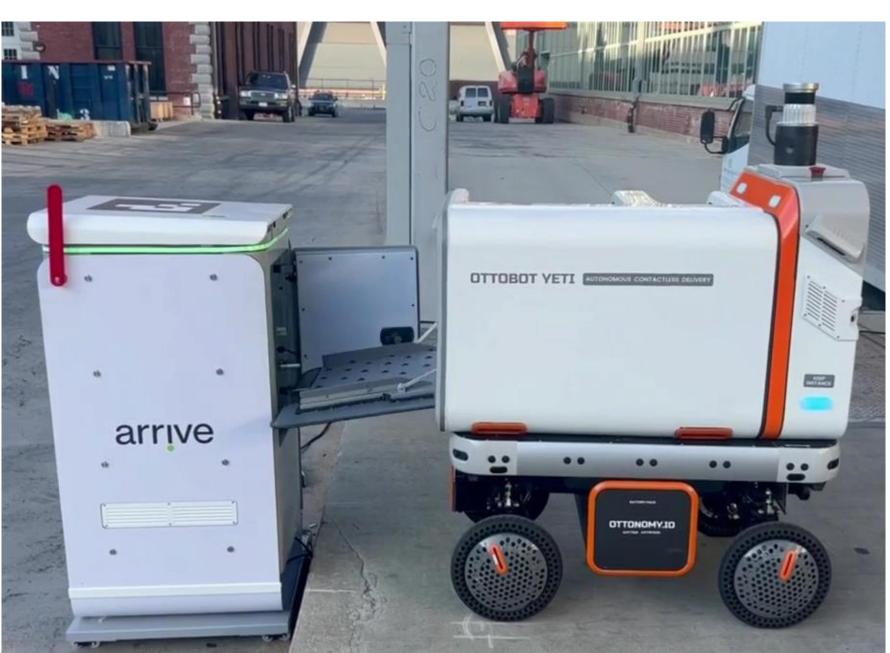


# Appendix













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Patent Name	Patent No.	Status	Applied / Priority	Abstract
Drone Docking Station and Delivery System	US Patent 9,840,340 Ser. No. 14/565,418	Granted in U.S. 12/12/2017	2014	A drone docking station for deposit of items delivered by drone.
			12/14/2014	The basic elements making up a container box located at a specific address and to securely hold those goods until they are picked-up regardless of duration, weather, or otherwise.
			14/565,418	
Drone Docking Station and Delivery System		Granted in U.S. 10/29/2019	2014	A system and device for a drone docking station for deposit of items delivered by drone.  A secure porch, roof, window or otherwise building mounted box may be secured through to an existing edifice or may be configured to mount to an existing mailbox post and actually take the place of the mailbox.
	US Patent 10,457,421		12/14/2014	
	Ser. No. 15/328,027		11/21/2015	
			15/328,027	
Expanding Floor/Accordion Drone Docking Station	Published as US 20210394930	Granted in U.S. 8/29/2023	2020	A drone docking station for deposit of items/goods delivered by a drone to a secured receptacle.
				Items can be delivered to a receptacle at a curb, mailbox, post, porch, in-ground vault, and window to a multi-parcel receptacle with an expanding floor/accordion station that has a specific residential/commercial address with various optional features.
Expanding Floor/Accordion		Pending Internationally		A drone docking station for deposit of items/goods delivered by a drone to a secured receptacle.
Drone Docking Station	Published as WO2021216397A1	Filed 4/19/2021	2020	Items can be delivered to a receptacle at a curb, mailbox, post, porch, in-ground vault, and window to a multi-parcel receptacle with an expanding floor/accordion station that has a specific residential/commercial address with various optional features.
PCT/US 21/27879		Priority 4/20/2020		
Hot and Cold Section/Drone Docking	Published as US 20220055770	Pending in U.S.		A drone docking station for deposit of items/goods delivered by a drone to a secured receptacle with a set of drawers with hot and cold sections in the station that has a specific residential/commercial address with various optional features.
Station/Temperature-Controlled Device		Filed 4/19/2021	2020	
Ser No. 17233635		Priority 4/20/2020		
Hot and Cold Section/Drone Docking Station/Temperature-Controlled Device	Published as WO2021216407A1	Pending Internationally	2020	A drone docking station for deposit of items/goods delivered by a drone to a secured receptacle with a set of drawers with hot and cold sections in the station that has a specific residential/commercial address with various optional features.
		Filed 4/19/2021		
PCT/US 21/27895		Priority 4/20/2020		
Serial No. 18226016		Pending 7-25-2023		A Smart Mailbox receptacle and platform to ship packages and goods from a Trimodal system that includes a courier service, an automated vehicle or robot, and/or an unmanned drone.
Serial No. 18226016		Pending 06-12-2023		A device and system for an autonomous mobile robot, drone, and/or courier to deliver, hold, protect, and return parcels for multi-users in both residential and commercial applications



### **Sources and Citations**

#### **Problem**

- 1. https://www.safewise.com/blog/metro-areas-porch-theft/#\_2022\_stats
- 2. https://www.cnbc.com/2020/01/10/package-theft-how-amazon-google-others-are-fighting-porch-pirates.html

#### **Opportunity**

- 1. <a href="https://www.safewise.com/blog/metro-areas-porch-theft/#\_2022\_stats">https://www.safewise.com/blog/metro-areas-porch-theft/#\_2022\_stats</a>
- 2. https://www.digitalcommerce360.com/article/us-ecommerce-sales/
- 3. <a href="https://retailwire.com/discussion/online-to-make-up-21-5-percent-of-grocerys-sales-in-five-years/">https://retailwire.com/discussion/online-to-make-up-21-5-percent-of-grocerys-sales-in-five-years/</a>
- 4. https://www.businessinsider.com/delivery-fee-for-amazon-prime-air-2015-4
- 5. <a href="https://www.arrive.tech/insight-hub/environmental-impact-report">https://www.arrive.tech/insight-hub/environmental-impact-report</a>
- 6. <a href="https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator">https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator</a>

#### **Autonomous Delivery has Arrived**

- 1. https://www.flyzipline.com/
- 2. <a href="https://www.flyzipline.com/about/zipline-fact-sheet">https://www.flyzipline.com/about/zipline-fact-sheet</a>
- 3. https://www.cnbc.com/2023/05/18/amazons-100-drone-deliveries-puts-prime-air-behind-google-and-walmart.html
- 4. <a href="https://corporate.walmart.com/news/2023/08/24/walmart-and-wing-team-up-to-provide-the-convenience-of-drone-delivery">https://corporate.walmart.com/news/2023/08/24/walmart-and-wing-team-up-to-provide-the-convenience-of-drone-delivery</a>
- 5. https://dronedj.com/2022/02/08/wing-drone-delivery-dallas/
- 6. <a href="https://www.amazon.com/gp/help/customer/display.html?nodeId=T3jxhuvPfQ629BOIL4#:~:text=We%20are%20currently%20offering%20drone,customer%20service%20to%20determine%20eligibility</a>
- 7. <a href="https://corporate.walmart.com/newsroom/2022/05/24/were-bringing-the-convenience-of-drone-delivery-to-4-million-u-s-households-in-partnership-with-droneup">https://corporate.walmart.com/newsroom/2022/05/24/were-bringing-the-convenience-of-drone-delivery-to-4-million-u-s-households-in-partnership-with-droneup</a>
- 8. https://www.starship.xyz/
- 9. <a href="https://www.starship.xyz/starship-food-delivery-app/">https://www.starship.xyz/starship-food-delivery-app/</a>
- 10. https://www.bizjournals.com/pittsburgh/news/2021/07/13/aethon-launches-new-robot-enters-new-market.html
- 11. https://aethon.com/about-aethon/
- 12. <a href="https://www.therobotreport.com/ottonomy-launches-new-ottobot-yeti-autonomous-delivery-robot/">https://www.therobotreport.com/ottonomy-launches-new-ottobot-yeti-autonomous-delivery-robot/</a>
- 13. <a href="https://fetchrobotics.com/">https://fetchrobotics.com/</a>

#### **Autonomous Vehicles Could Lower Costs Across the Supply Chain**

1. <a href="https://research.ark-invest.com/hubfs/1\_Download\_Files\_ARK-Invest/Big\_Ideas/ARK%20Invest\_Presentation\_Big%20Ideas%202023\_FINAL\_V2.pdf">https://research.ark-invest.com/hubfs/1\_Download\_Files\_ARK-Invest/Big\_Ideas/ARK%20Invest\_Presentation\_Big%20Ideas%202023\_FINAL\_V2.pdf</a>

#### **Business Model**

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- 2. https://www.pitneybowes.com/us/shipping-index.html
- 3. Figures based on Arrive Operating Model with 1.1M units installed in 2028

