

UPS tests drone-enhanced package delivery saving time and fuel

Paris Wilson
Staff Reporter

On Feb. 21, 2017 UPS announced the company had successfully tested a drone. The drone launches from the top of a UPS package truck, independently delivers a package to a home and then returns to the vehicle while the delivery driver continues along the route to make a separate delivery. If implemented, that cycle of flight and return could continue for a driver's entire shift, allowing UPS to deliver packages more efficiently and save on fuel. The benefits would be easily seen in rural areas, where deliveries are more spread out. If every UPS driver had to cover one less mile per day, the company said it would save up to \$50 million per year. Between flights, the drone would recharge its battery while docked in the

UPS truck. With the development of this new technology that would provide jobs for engineers and that field of work UPS took time to reassure their plans to keep their delivery drivers. "Drivers are the face of our company, and that won't change," Mark Wallace, UPS Senior Vice President of global engineering and sustainability said in the latest UPS newsletter said. "What's exciting is the potential for drones to aid drivers at various points along their routes, helping them save time and deliver on increasing customer service needs that stem from the growth of e-commerce." The drone UPS tested was capable of carrying packages up to 10 pounds. The drone is big enough to roughly fit in the trunk of a sedan. There are no guarantees UPS

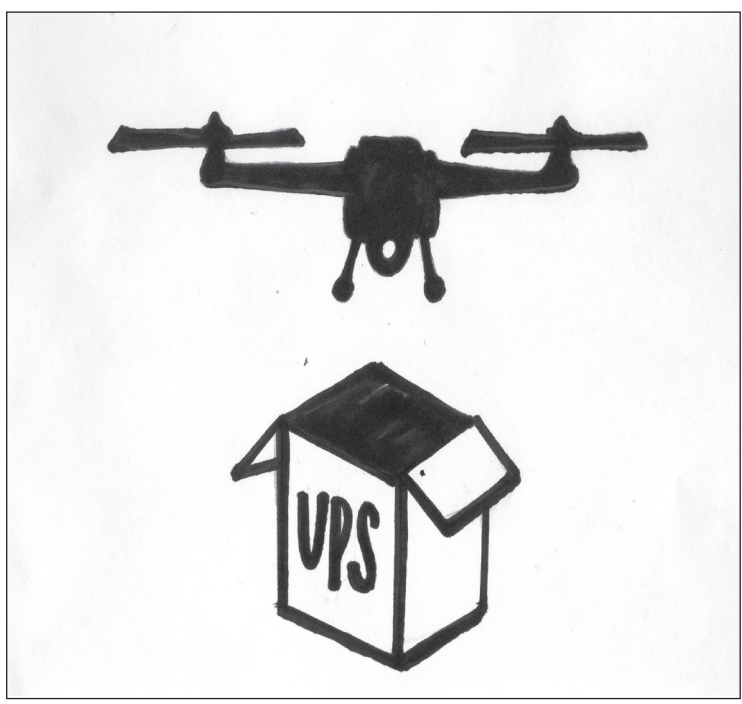


Illustration by Bernice Gajda

will ever deliver an actual package with a drone. These are just tests that are being conducted for the future. "There is a company in the Netherlands, I believe, that is using 'Ambudrones' in their emergency response force," Maxwell de Feijter (11) said. "When you call their version of 911, they can send this drone, which has a defibrillator and I think a few other medical items attached, and it can arrive much faster than any ambulance or person could. I think that drones, for now, will not have much to do other than delivery and photography. The kind I use, however, can be used in drone racing, as it is called, however, I feel that name is a misnomer." The technology behind drone delivery is still being worked out and there are also regulatory hold-ups. It is not legal to run a fully automated drone delivery service in the United States. UPS currently has one of its executives on the FAA's drone advisory

council, an indication of its interest in drones. Experts expect that the government will eventually allow fully automated drone delivery. This is not the first drone test from UPS. In September 2016, UPS teamed with drone company CyPhy Works to deliver a package to an island near Boston. UPS' second drone mission comes as Amazon invests heavily in building its own delivery network, including drones capable of dropping packages in customers' backyards. Amazon is currently testing overseas, and delivered a package in Britain this December. Amazon is not the only one. Late last year, drone delivery firm Flirtey completed an automated drone trial with 77 deliveries from a 7-Eleven in Reno, Nevada. The UPS drone and truck were developed by Workhorse, a Cincinnati company that is supplying UPS with several hundred electric delivery trucks.

Wearable technology brings function to fashion

Joe Chappelle
Staff Reporter

These days, tech doesn't just have to work well—it has to look good at the same time. With new wearable products hitting the web every so often, there are plenty of cool gadget-infused fashion pieces to choose from. Whether it's a backpack, jacket or watch, there is a multitude of different styles and functionalities wearable tech can adhere to. So without further ado, here are six different wearable devices that may warrant your interest.

FOSSIL GENERATION 2 SMARTWATCHES

Everyone has their own sense of style, and accessories tend to follow those styles. So, if you're someone who likes the idea of a touch-screen/smartwatch but you don't like the boxy and bulky look of many on the market, Fossil may have you covered. Fossil has a total of 110 "smartwatches" listed on their website, and that number boils down to 16 watches under the category of "touch-screen." There are numerous options to fit your style and preferences when it comes to the touch screen watches. For starters, the prices range from \$275 to \$315. In addition, Android wear 2.0 comes with the Series 2 watch, and is compatible with all Android watches. However, Android wear is not compatible with Apple products, so if you own an iPhone, you miss out on a lot of third party apps. While you can look at texts and calls on the watch, you can't respond to them directly from it. However, since you're required to link your Google account via the Android wear app, you still get your google calendar and account linked to the watch. Fossil pulls off a surprisingly elegant combination of technological functionality and utility along with the sleek classic watch look that will go with anything from casual clothes to a suit and tie.

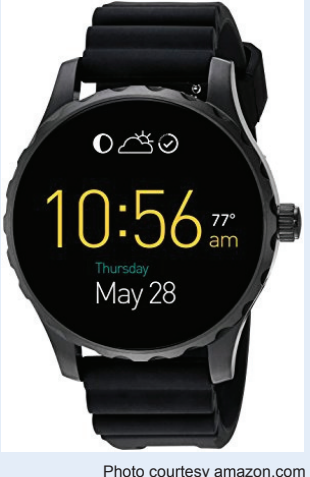


Photo courtesy amazon.com

APPLE WATCH

The Apple Watch. It's been everywhere, and everyone knows about it. There are several different models: Apple Watch series 1, Apple Watch edition, Apple Watch Hermes, Apple Watch Nike+ and the Apple Watch Series 2. All of these watches are available for research on Apple's website, but for the sake of clarity we will cover the newest one, the Series 2. Inside the Series 2 Watch is a dual core processor, allowing for fast interactions and program speeds. In addition, the watch is water resistant up to 160 feet in fresh or salt water, but it is not waterproof. The Watch also includes Built-in GPS, a heart rate monitor and comprehensive workout app which, among several features, includes step counter and calories burned. It also provides access to third party apps, Siri, the ability to respond to texts and calls (if it's paired with an iPhone), customizable watch faces and changeable bands to fit your style. Prices range from \$268, to 1040 dollars, with options in between at \$369 or \$549. Apple phones and computers will always be a favorite due to their sheer popularity, and the Apple watch is no different.



Photo courtesy theverge.com

SPINALI DESIGN NEVIANO BIKINI

A bikini is something you would never expect to have a technology infused design, but French fashion tech company Spinali Design is here to shatter those expectations. Coming in various designs, styles and colors, the cheapest option goes for \$142 plus tax and shipping and it comes with the most noteworthy selling point: an integrated sunscreen monitor. When you download the companion app, you are asked to choose your skin tone. The bikini uses that information to tell you when it's time to put another layer of sunscreen on.



Photo courtesy geniusbeauty.com

ATHOS CLOTHING

Smart fitness-wear products are on the rise, and Athos is one of them. The Athos Men's shirt comes with a sensor, or "core" that sits in the middle of the chest, and the men's and women's leggings come with a core that sits on the side of your thigh. What sets Athos apart from its competition, is the core's ability to track which of your muscles are working, and how hard, via the core. Increased access to muscle information allows you to fine tune your workout so you're maximizing the work you put in. In addition, it also tracks your heart rate, calorie expenditure and active time versus rest time. This information is available for viewing via the iOS only app. However, technology like this does not come cheap. The men's shirt goes for \$398, the men's shorts for \$348, and the women's leggings for \$348. To buy a full set with two cores, bottom and top, will put you back \$696, and with one core it totals out to \$547.

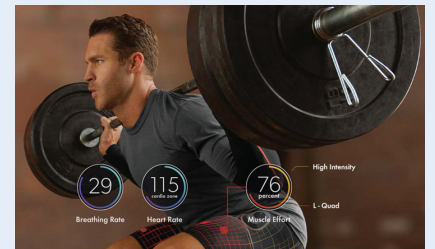


Photo courtesy alchemystudio.com

NUZZLE SMART COLLAR

Humans aren't the only ones who deserve wearable technology. Our furry best friends have a few choices as well, and one of them is the Nuzzle Smart Collar. This collar has more than a GPS tracking feature. While that is a main function, which includes extra features such as setting a neighborhood boundary to alert you when your pet steps out of set parameters, the collar also monitors your pet's activity, like the time he or she spends playing, resting or exploring. There are two options available for purchase — a collar for large pets and a collar for small pets. Both are \$189.99. Whether you own a cat, dog or both, the Nuzzle Smart Collar will fit them and will add an extra peace of mind for you, the owner.



Photo courtesy hellonuzzle.com

MOS PACK

It's happened countless times: you're traveling or just going about your day, and your computer, phone or tablet runs out of juice. But no worries, you can just plug it into an outlet, right? Well, only if you're actually near one. Assuming this is not the case, there is another option: the MOS Pack. This backpack comes with an integrated power source and cable management, allowing you to charge your gadgets on the go. The backpack comes in three colors: light gray, gray and black, and is available on Amazon for \$109.95



Photo courtesy mosorganizer.com

Family friendly company promotes filters in comment sections, poses questions

Sebastian Carrier
Staff Reporter

Jigsaw, a new company under Google, is developing technology to remove hate and spam from comment sections. Publishers want to engage their audience, but often a lack of filter can have one bad apple ruin the comment section for everyone else. For example, there's an argument

at the bottom of an article where two people start using explicit language to emphasize their beliefs or attacking each other. The publisher can choose to remove the words to discourage hateful speech from discussions on the internet. However, removing words from the comment section, could be considered an infringement on freedom of speech. Brian Harrod (Computer Science), said he believes people should be able to express their beliefs freely, but should be cautious when posting online. "We feel like we have 'keyboard

muscles,' so when we are behind a keyboard we might say something we wouldn't if we were talking to someone's face," Harrod said. Jigsaw's program allows the publisher to remove keywords from comments, but the simplicity of the program causes controversy. Freedom of Speech is what sets the U.S. apart from other countries and can be interpreted in different ways. Alma Cooper (10) said she believes if a comment is offensive then it is grounds for the publisher to omit the phrase. "It's not a violation of the first amendment because there are similar rules in schools," Cooper said. "You

can't just say things that are offensive and think that you're going to get away with it." Many famous Supreme Court cases have dealt with freedom of speech. In Terminiello v. Chicago, the court decided that one can say whatever they want as long as they do not "create a clear and present danger... that rises above inconvenience, annoyance, or unrest." Another major court case: Brandenburg v. Ohio, prohibits freedom of speech if it is "directed at inciting or producing imminent lawless action," or if the language is "likely to incite or produce such action." Jigsaw could potentially be creating

a way to prevent a major part of cyberbullying. By taking out specific keywords and taking out comments altogether, this could change the way social media is used. "With teenagers and cyber bullying, people can become more aware of what they're posting," Cooper said. Jigsaw is more than just a small company. The president of Jigsaw, Jared Cohen, explained the organization is trying to stop the misconception that the loudest voice is the strongest. Campbell Foltz (9), said she understands where the company is coming from and that freedom of speech can only protect someone so much. "It should apply to all websites be-

cause some websites will have censored comments while others don't, and I don't think that's fair," Foltz said. In the original decision of Roth v. U.S., obscenity is not constitutionally protected by freedom of speech. However, according to the Supreme Court decision of Miller v. California; if the obscenity is held to "community standards" it is protected by the first amendment. From countering extremism to protecting the public from cyberattacks, Jigsaw has many ideas that could change the way we interact online.