

# Man's best friend goes high tech at gadget fest

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The Jagger & Lewis emotional and activity tracker for dogs is seen at the 2018 Consumer Electronics Show

Technology is going to the dogs. And to cats and horses, for that matter, as high-end gadgetry showcased at this week's Consumer Electronics

Show offered ways that smart devices can improve the lives of animals and their human friends.

US-based Petrics was at the show with what it billed as the first pet smart bed, capable of keeping tabs on their weight and time spent lounging.

The soon-to-be-released bed cools or warms to provide comfy temperatures for naps, and synchronizes to activity trackers that monitor how much exercise they are getting so that owners get a complete daily report.

An array of firms meanwhile showed off wearable devices to monitor pets on the move, aiming to consign neighborhood "lost" posters to history.

Among them was Whistle, which is up to a third-generation device equipped with GPS and mobile network capabilities.

Custom "safe zones" can be set up around a home and if pets wander out-of-bounds their humans will get smartphone messages allowing them to pinpoint where their pooch, or kitty, is on the map.

"If your pet gets out they can be missing for hours or days," said Whistle spokesperson Heather Wajer.

"You can put up posters around the neighborhood and search for them, or you can just look at your phone and see where they are."



Brad Baxter of Litter-Robot demonstrates the automated, self-cleaning cat litter box at the 2018 Consumer Electronics Show

## **Fido calls home**

Leaving your pet behind at home can cause anxiety both for humans and their animals.

While home cameras that can stream feeds via the internet have been around for some time, Petcube has improved on the basic concept by introducing "smart" elements.

With the help of artificial intelligence, pets movements in front of its camera will trigger a video call to their human's phone as well as a

preview "pet selfie" clip.

Its device also comes with laser pointers allowing people to remotely play with their furry friends if they're getting bored, and even reward good behavior by firing off treats during calls.

Petcube co-founder and chief executive Yaroslav Azhnyuk estimated that 40 million households will use connected pet devices by the year 2022.

Meanwhile, startup Pebby is working on a "smart robotic ball" with built-in camera, wi-fi, Bluetooth and laser pointer capabilities, affording more opportunities to play remotely.



A Tractive GPS pet tracker is seen on a dog mannequin during CES 2018 in Las

Vegas

## **Taking care of kitty's business**

Cleaning your feline friend's litter box is an unpleasant but necessary task, unless you (and house guests) are prepared to stomach a strong stench.

Now, though, automated boxes are at hand that use sensors to detect when the animal enters and leaves the unit, before giving the litter time to clump, then sifting through it and depositing the waste into a carbon-filtered drawer.

Litter-Robot sales hit new highs on Black Friday and Cyber Monday due to the release of a smartphone application that gets data about kitty's daily visits to the feline loo, according to founder Brad Baxter.

When animals left home alone need to get outside to take care of business, they can now do so through PetWALK pet doors—sturdy barriers that are more secure and airtight than flaps, and are automatically triggered by RFID pendants.

French saddle maker CWD meanwhile was at CES with what it billed as the first smart saddle tailored for the equestrian sport of jumping.

Technology in saddles gathers data about stride, approach, recovery and more, then sends it to smartphones and pairs it with video so riders can improve performance, research and development engineer Camille Hebert told AFP.

CWD has partnered with French start-up Arioneo to weave in an

"iPulse" strap that adds data about a horse's heart rate.

"Everything in our lives is smart," said Whistle's Wajer. "If technology can help make our pets lives better, than that is fantastic."

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