

The Power of 3

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Driving the future further



Overview

In *The Power of 3* issue 1, Thomas Bartman of the *Harvard Business Review* opined on how disruption from electric vehicle (EV) and unmanned aerial vehicle (UAV) uptake will announce itself. And, as noted in issue 10, his prognostications are coming to fruition. EVs – not to mention UAVs – are indeed heading from unicity to ubiquity. Here, in the final issue of the newsletter for 2016, we take a peek at some of the most exciting on show and/or on the market this year.

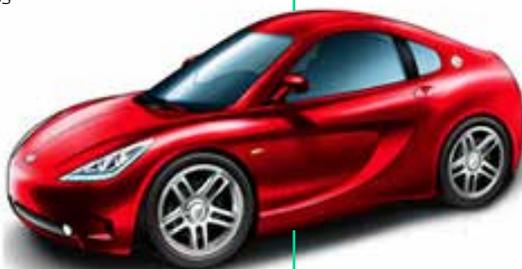
Fast
and
furious

Faraday FFZERO1 Concept

Unveiled at the Consumer Electronics Show in Las Vegas, Faraday Future's concept car is built on an adaptable modular system called Variable Platform Architecture, designed to produce "an industry-leading driving range, acceleration, energy retention, charging time and overall safety." Ultra-modern, powerful and insanely automated, the vehicle, says the company, is a means of exploring and amplifying the design and engineering ideas being developed for its production vehicles. Bruce Wayne, it's time to upgrade!

"The ones crazy enough to think they can change the world are the ones who do"

~ Steve Jobs



Cute
and
curious

Myer Motors' NMG/MPG200e

In 2004, Myer Motors acquired the assets of the Corbin Sparrow, a tiny micro-car that struggled to reach mass production. Today, via crowd funding, Myer Motors hopes to achieve its vision of a second EV revolution: "highways full of light, agile, fun-to-drive, purpose-built, single- or two-occupant commuter EVs for every two-car family."

On the byways

If hoverboards were last year's hit, 2016 has been all about sleek, streamlined and portable electric scooters for urban riders. Buyers are spoilt for choice, but here are a few that caught our eye.

emicro one

Winner of an Australian Good Design Award, this smart, foldable scooter features 'motion control', meaning its powerful motor (installed in the rear wheel; the battery's in the footboard) starts only when a certain speed is reached and the rider's kick is detected. Featuring three different ride modes and 'slope support', it can reach speeds of 25 kilometres per hour.



Xcape

The Xcape portable e-scooter travels at 15 mph, has a range of 25 miles, folds in a second and 'goes anywhere'. A Chinese innovation still at the prototype stage, you can find it on crowd-funding site [Indiegogo](#)



URB-E

Billed by its creators as "[t]he world's most innovative folding electric scooter," the URB-E is a joy to behold. With a top speed of 15 miles per hour (mph) and a range of around 20 miles, it charges in four hours and weighs about 35 pounds.



Eon Scooter

Advertised as the "fastest and most affordable" electric scooter ever, the Eon features dual sit or stand modes, up to 30% grade hill-climbing torque, speeds of up to 25 mph and a range of 35 miles. Still at the prototype stage; details from [Indiegogo](#).

No snow?
No waves?
No problem!



Cycle Board Street Surfer

"Whether you ski, surf, snowboard or skate, multiple riding styles will have you shredding instantly." If that vernacular resonates with you, then this could be your ride of choice in 2017. Neither skateboard nor scooter, it is in

fact a three-wheel personal mobility EV that can be personalised, is fully rechargeable, has a 'lean-to-steer' system, offers a choice of riding positions and even has a phone mount. Available to [order now](#), with a two-month lead time.

High, but still up close and personal



PowerUp FPV drone

Pilot this lightweight electronic paper plane and see what it sees. Made of heavy-duty paper, it's equipped with live-streaming camera (FPV = first person view). Control is by way of a smart phone app or by linking to a virtual reality headset, which means you can steer the plane with head movements. You can even fold to your own design if you wish.

And finally...

After numerous widely reported fatalities, the dangers to children (and pets) of ingesting lithium-ion batteries, particularly button batteries, are now well-known. This year, a small [origami robot](#) designed to safely remove such batteries was unveiled. Tiny but perfectly formed, the device – which unfolds from an ingestible capsule and is steered by external magnetic fields – crawls across the stomach wall to remove a swallowed battery or patch a wound. While not yet ready for practical application, it's an elegant solution to a very real problem.

Which [Perth-based company](#) is advancing its revolutionary lithium recovery process?

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