



Cars

Qualcomm's dynamic charging tech could make electric vehicles mainstream

Charging while moving will solve one of EV's biggest issues

Curtis Moldrich [@khurtizz](#)
22 May 2017



Comment




NEWSLETTER



Sign up for our daily newsletter



SIGN ME UP



Electric vehicles are certainly the future, but in 2017 they're still a little rough around the edges, aren't they? Sure, battery tech advancements mean their range is getting better, but EV owners have one other major issue to contend with: charging time.

See related :[BMW i8 Formula E Safety Car: Hands on with the wirelessly charged, 380hp hybrid](#)[The best electric cars 2018 UK: The best EVs for sale in the UK](#)

Simply put, topping up an electric car just isn't that convenient right now, and although fast charging takes just half an hour, it's still around 29 minutes longer than refuelling a conventional car. Of course, EV owners will argue that it's possible to plan these stops into your day, but it's just another complication.

But now it looks like Qualcomm might have a solution, and it's going to transform EVs forever. Called dynamic electric vehicle charging (DEVC), the new technology will allow EVs to charge wirelessly while moving – and Qualcomm demonstrated the new technology in Versailles last week.



NEWSLETTER



Sign up for our daily newsletter



Enter your email here

SIGN ME UP

How does it work?

The new technology is based on Qualcomm's existing Halo technology, something [I've already written about and tested](#). Simply put, Halo uses the same sort of technology used to wirelessly charge phones, but ups the power significantly to charge electric cars instead.

However, while Halo removed the need for plugging in, it still came with all the time drawbacks of normal EV charging – and that's why this new development is so exciting. Qualcomm's new technology will allow EV owners to charge while moving at up to highway speeds – ultimately removing the need for charging stops, and maybe even large batteries completely.

Qualcomm says the new technology can charge at a rate of 20 kW per hour and also allows for more than one car or direction, so it's ready for real-world situations. The technology is a few years away right now, but Qualcomm and its tech partner VEDECOM were able to demonstrate it in Versailles on a 100-metre test track using two adapted Renault Kangoos.



NEWSLETTER

**Sign up for our daily newsletter**

SIGN ME UP



“Being part of this exciting project has enabled us to test and further research dynamic charging on our Kangoo ZE vehicles,” said Eric Feunteun, Renault’s electric vehicle programme director.

“Our engineers have worked very closely with the Qualcomm Technologies and VEDECOM teams to complete the DEVC system integration demonstration as part of FABRIC. We see dynamic charging as a great vision to further enhance the ease of use of EVs, thus the accessibility of EVs for all.”

So how viable is it?

Qualcomm has been quietly working on wireless charging for some time now, but it’s dynamic charging that will truly transform the EV sector – and that’s why it’s already got so much backing. Last week’s demonstration took place in Versailles-based facility – and it’s all part of a FABRIC, a €9 million project funded by the European Commission and backed by 25 organisations from nine European countries.



NEWSLETTER



Sign up for our daily newsletter



Enter your email here

SIGN ME UP

As you'd expect, that includes everything from carmakers to R&D firms and everything in between, so dynamic charging certainly has all the right people behind it. Of course, it will need to be developed further for both cost, safety and ease of use, but it's got every chance of appearing on our roads in the future.

Read more about: [CARS](#)

You might like

Sponsored Links by Taboola

CPAP Makers Running Scared After New Snoring Cure Unveiled

My Snoring Solution

Create the virtual you and join the fun - Play Second life!

Second Life | Play Now

5 Things Car Salesmen Don't Want You To Know

Women's Article

Top 10 Best Countries To Travel To Alone In 2018

Bored Articles

The Biggest Flight Deals Comparison Site

LaseTrips.com

Can remote operations make ships safer?
Marine Propulsion



NEWSLETTER



Sign up for our daily newsletter



Enter your email here

SIGN ME UP

Cruise Prices You Are Not Allowed To See
Cruises-Shop

20 Most Beautiful Islands in the World
www.travelden.co.uk

If you live in Attiki you're eligible for these deals on flights
Lastmin-Flights

New Site Finds the Cheapest Flights in Seconds!
FlightFinder

Try These Easy Electricity Saving Tips And Save
Womens Article

Multifunctional test facility delivers top performance
Marine Propulsion

Top 10 Safest Countries For Tourists To Travel To
Bored Articles

The Top 9 Best Qualities Of Successful People
Bored Articles

Play this for 1 minute and see why everyone is addicted

Throne: Free Online Game



NEWSLETTER



Sign up for our daily newsletter



Enter your email here

SIGN ME UP

Delta Wars

15 foods to eat for living over 100 years

WoJournals

The Flight Prices In Athens Are So Low

Save70.com

12 Signs Your Relationship Will Stand the Test of Time

WomensArticle

This Woman Read 100 Books In A Month With The Blinkist App

Blinkist

Top 10 Best Countries To Raise Children & Start A Family

WomensArticle.com

Hotel Prices You're Not Allowed to See!

Trips Insider

The 10 Most Expensive Colleges In The World

Bored Articles

Top 7 Ways To Save Enough Money To Buy Your First Home

Bored Articles

The Must-Play City Building Game of the Year
Forge Of Empires - Free Online Game



NEWSLETTER



Sign up for our daily newsletter



Enter your email here

SIGN ME UP

These Are The Top 10 Baby Names Going Into 2018

Bored Articles

[Home](#) › [Cars](#) › Qualcomm's dynamic charging tech could make electric vehicles mainstream

Trending

- Apple Watch 3
- Google Pixel 2
- Kodi
- Oculus Rift
- Sky Soundbox
- iPad Pro
- iPhone X

FROM AROUND THE WEB

Sponsored Links

Tired Of Snoring? Rest Easy. Here's The Solution
My Snoring Solution

Create the virtual you and join the fun - Play Second life!
Second Life | Play Now

5 Things Car Salesmen Don't Want You To Know

Women's Article



NEWSLETTER



Sign up for our daily newsletter



Enter your email here

SIGN ME UP

27 Mar 2018 / [Virtual reality](#)

There's a "best way" to press a button, apparently

21 Mar 2018 / [Technology](#)

The £45 smartwatch that should cost a LOT more



27 Mar 2018 / [Wearables](#)

How to see everything Facebook knows about you

13 Apr 2018 / [Facebook](#)

Elon Musk wants to sell giant Lego kits of dug-up rock

27 Mar 2018 / [Business](#)

Huawei P20 Pro: Huawei's three-lens monster is a beauty



24 Apr 2018 / [Mobile phones](#)

Motorola Moto G6 review: How the Moto G got its groove back



4 May 2018 / [Motorola](#)

iPhone 11 release date rumours and news

3 May 2018 / [Apple](#)

Our pick of the best Google Doodle games



NEWSLETTER



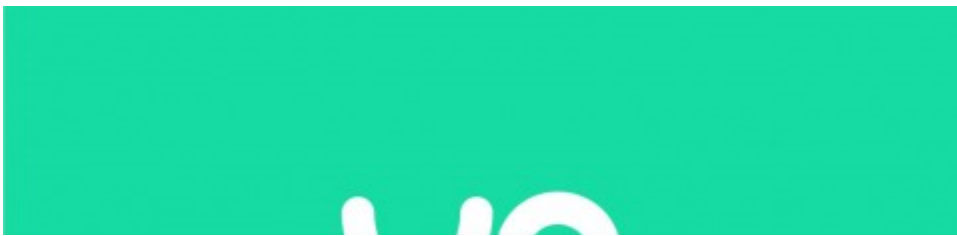
Sign up for our daily newsletter



Enter your email here

SIGN ME UP

Advertisement



NEWSLETTER



Sign up for our daily newsletter



SIGN ME UP

7 May 2018 / [Social Media](#)

Swim with sea otter in BBC Earth's first true VR experience

Dive under the ocean to meet sea otter and sperm whales in BBC Earth's spectacular VR experience

4 May 2018 / [Virtual reality](#)

How to make your own Alexa skills for Echo

You don't need to be good at coding to create your very own Amazon Alexa Skills

4 May 2018 / [Software](#)

These robot woks cook up tasty treats and wash up afterwards

Not a noodle idea

4 May 2018 / [Robotics](#)

Business



NEWSLETTER



Sign up for our daily newsletter



SIGN ME UP

7 May 2018 / [Business](#)

Instagram starts trialling in-app payments

Some UK and US businesses to take in-app payments from users of the photo-sharing app

4 May 2018 / [Business](#)

BMW and Ford turn to blockchain to reinvent the industry

Major carmakers create the MOBI consortium to explore how Bitcoin-supporting tech can be adopted in the automotive world

3 May 2018 / [Business](#)

Xiaomi just filed to go public

Xiaomi is reportedly looking to raise at least \$10bn, which could value the company at more than \$100bn

3 May 2018 / [Business](#)

Science



NEWSLETTER



Sign up for our daily newsletter



Enter your email here

SIGN ME UP

5 May 2018 / [Space](#)

Elon Musk shows off SpaceX's Falcon 9 Block 5 rocket

The new iteration of the Falcon 9 booster aims to drastically reduce turnarounds between launches

4 May 2018 / [Space](#)

Listen to our galaxy's rotation as cosmic jazz

An astronomer has turned the movement of galactic gases into a piece of music

4 May 2018 / [Space](#)

Scientists step closer to unlocking the causes of migraines

A new study suggests common genetic variants may have a much stronger effect than first thought

3 May 2018 / [Health](#)

Cars



NEWSLETTER



Sign up for our daily newsletter



Enter your email here

SIGN ME UP

7 May 2018 / [Cars](#)

Tesla Model Y: Musk says production won't start until 2020

Here's everything we know so far about Elon Musk's Tesla Model Y including release date, design and price

3 May 2018 / [Cars](#)

All luxury DS cars will be electric or hybrid by 2025

The electrification rollout will start with the DS 7 Crossback E-Tense 4x4

3 May 2018 / [Cars](#)

Apple reportedly met with DMV over plans for its Apple Car

Apple bosses are said to have met with the California Department of Motor Vehicles at the start of April

2 May 2018 / [Cars](#)

Life & Culture



NEWSLETTER



Sign up for our daily newsletter



Enter your email here

SIGN ME UP

On Monday

4 May 2018 / [Life & Culture](#)

This app pairs album art to Spotify playlists

Listen to albums before you buy... or find out what album art your cat most resembles

4 May 2018 / [Life & Culture](#)

Treyarch teases Black Ops 4 multiplayer perks

More details about Call of Duty: Black Ops 4 is coming in May before its October release date

3 May 2018 / [Games](#)

Digital tools to help you vote in the 2018 local elections

Find out more about your candidates and their policies

3 May 2018 / [Politics](#)

The Future



NEWSLETTER



Sign up for our daily newsletter



Enter your email here

SIGN ME UP

2 May 2018 / [Facebook](#)

This inflatable skyscraper could provide emergency shelter

Skyshelter.zip uses a helium balloon to support accommodation for up to 1,000 people

30 Apr 2018 / [The Future](#)

Tesla fails customer complaints test, but Kanye approves

It's not all bad: The company's batteries retain 90% charging power after a staggering 160,000 miles

23 Apr 2018 / [The Future](#)

Facebook is quietly working on building its own chips

Facebook attempts to ditch Qualcomm as it moves into designing its own chips for AI and consumer goods

19 Apr 2018 / [The Future](#)

Latest Reviews

Motorola Moto G6 review: How the Moto G got its groove back

4 May 2018 / [Motorola](#)

Xiaomi Mi6 review: Fantastic value... if you can find one

3 May 2018 / [Mobile phones](#)

LG's G7 ThinQ is here and it's a blinder

2 May 2018 / [LG](#)

Oculus Go is the VR device we've been waiting for

1 May 2018 / [Oculus](#)

How to get the Windows 10 April 11 update a week before rollout

NEWSLETTER



Sign up for our daily newsletter



Enter your email here

SIGN ME UP

Sky Q review: Spotify support available now

26 Apr 2018 / [Sky Q](#)

Toyota C-HR review: A sharper edged hybrid

25 Apr 2018 / [Cars](#)

BMW i3s: A slightly sportier EV

25 Apr 2018 / [Cars](#)

Huawei Matebook X Pro review: Perfecting the ultraportable

25 Apr 2018 / [Huawei](#)

Huawei P20 Pro: Huawei's three-lens monster is a beauty

24 Apr 2018 / [Mobile phones](#)

Back to top

Technology

Business

Science

Cars & Bikes

Life & Culture

The Future

Reviews

Hacks



[About us](#) | [Contact us](#) | [Advertise with us](#) | [Feeds](#) | [Authors](#) | [IT Pro](#) | [Cloud Pro](#) | [Expert Reviews](#) | [Channel Pro](#) | [Know Your Mobile](#)

[Auto Express](#) | [Carbuyer](#) | [More of our brands](#) | [Affiliate Link Policy](#) | [Privacy Notice](#)

NEWSLETTER



Sign up for our daily newsletter



Enter your email here