

# monoDrive Introduces the First Real-Time, High-Fidelity Sensor Emulation for the Autonomous Vehicle Industry

*monoDrive, the leader in real-time, high-fidelity emulation sensors for the autonomous vehicle industry, has launched the Ultra High Fidelity (UHF) Simulator.*

AUSTIN, TX, US, September 26, 2018 /EINPresswire.com/ -- monoDrive (<https://www.monodrive.io/>), the leader in real-time, high-fidelity emulation of Lidar, Radar, Camera, RPM, GPS, and IMU sensors for the autonomous vehicle industry, has launched its inaugural product – the Ultra High Fidelity (UHF) Simulator.

The UHF Simulator, which has already been deployed on a pilot basis by some of the world’s largest vehicle makers, has the capacity to eliminate the use of experienced drivers, which are currently required to test for system errors. System errors can lead to fatal accidents, like the one that occurred last March involving Uber (<https://www.nytimes.com/2018/03/19/technology/uber-driverless-fatality.html>)

“When accidents happen, regardless of fault, they are not only tragic, but both a public relations nightmare and an economic disaster, especially for the OEM involved,” said Celite Milbrandt, the CEO and co-founder of monoDrive. “The power of the simulator is that it reduces the need for a human driver to develop new perception and control software. The human driver is not only more expensive, but is also subject, to human error.”

The company also announced that it took in approximately \$1 million in capital earlier this year as an initial investment. The round was led by ATX Seed Ventures. The capital fueled the development of the UHF Simulator, which is the only product on the market for Level 4 and Level 5 Autonomous Vehicle Development with high fidelity radar, lidar, and camera sensors.

“To many of the large automakers, monoDrive’s technology is viewed as something of a trade secret, which gives them a leg up in the race for market share,” said Josh Switkes, the CEO of Peloton Technology, Inc., a supplier and services company in the Bay Area, which is dedicated to assisting commercial drivers and fleets to be the safest and most efficient on the road. “The official launch of this Simulator will accelerate the advancement of safe [autonomous vehicles](#) into the marketplace.”

Both Switkes and Milbrandt added that another benefit of the UHF Simulator is that it introduces structure to data for deep learning algorithms, which is the foundation for the [artificial](#)



[intelligence](#) initiatives that will make autonomous cars ubiquitous.

"Instead of having to ask a human to hand label objects that appear in a traditional driving scenario, you can use the Simulator to bring structure (semantic labeling) to this data," said Milbrandt. "These pre-labeled sensor measurements, or semantic segmentation, is the lifeblood computer vision programs."

About monoDrive

Austin-based monoDrive was founded in 2016 by Celite Milbrandt. Its Ultra High Fidelity (UHF) Simulator allows autonomous vehicle manufacturers to use simulators to drive virtual vehicles millions of miles in virtual worlds. In contrast to human drivers testing autonomous vehicles, which is both expensive and subject to human error, the UHF Simulator helps vehicle manufacturers identify edge cases, which are hard to predict and can have dire consequences.

holt hackney

hackney communications

5126320854

[email us here](#)

---

This press release can be viewed online at: <http://www.einpresswire.com>

Disclaimer: If you have any questions regarding information in this press release please contact the company listed in the press release. Please do not contact EIN Presswire. We will be unable to assist you with your inquiry. EIN Presswire disclaims any content contained in these releases. © 1995-2018 IPD Group, Inc. All Right Reserved.