



An eToro Investment Strategy

Driverless

Future of Driving





The Driverless CopyPortfolio is your chance to invest in the future of the automobile.

The “smart” revolution is all around us, as a growing number of common objects are becoming highly technological. It happened with the telephone, it happened with TV, it happened in numerous fields of industry - and now it’s happening in the automotive industry. Self-driving cars are very much a reality and we will be seeing them in increasing numbers on the road in the next few years. This evolution of the personal car, which over the years has incorporated more and more technology, has resulted in a transportation vehicle that no longer needs a human driver - and the financial potential is incredible.

The driverless car will be one of the most tech-heavy products available to consumers, and as such, will combine numerous components from both automakers and high-tech companies.

Since it is such an innovative field on the one hand, yet is being developed by some of the world’s largest, and most recognisable, companies on the other, the driverless car industry presents an interesting thematic investment opportunity. However, since it involves companies from different industries, operating in various markets around the world, building a thematic investment portfolio to track the industry could be challenging. **That is why, here at eToro, we have created the Driverless CopyPortfolio, through which the members of the eToro community can invest in this sector.**

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Your capital is at risk

Key Facts:

Open for investment	October, 2018
Asset class	Global equities
Weighting	Equal
Rebalancing	On demand
Exchanges	NYSE, NSDQ, London, Frankfurt, Milan, Paris
Number of holdings	33

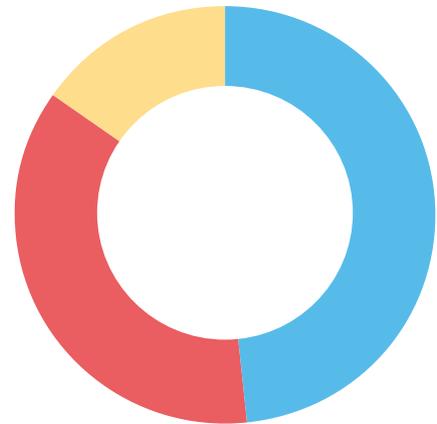
Who Should Consider Investing in this Portfolio?

Investors who:

- Are looking for steady long-term returns with varying degrees of risk.
- Are seeking exposure to equities of companies involved in innovative or disruptive industries, namely the driverless car industry.
- Wish to avoid paying management or performance fees.
- Expect to be able to close their investment at their own discretion, and at any time, without being restricted to a lock-in period.

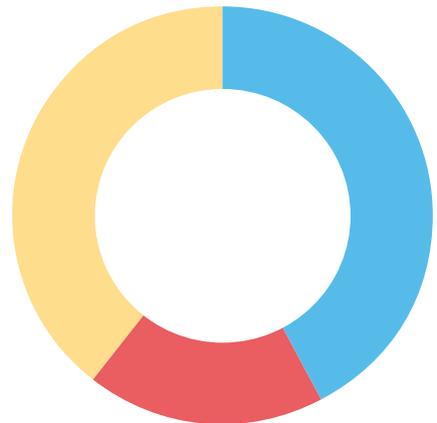
Geographical Allocation

Where companies are founded, headquartered or have their main operations.



*1% of the portfolio is held in cash.

Holdings by Sector



*1% of the portfolio is held in cash.

The above charts are only an indication. The current market price can be found on the eToro platform. Past performance is not an indication of future results. This is not investment advice. Your capital is at risk.

The Driverless CopyPortfolio: Composition

This managed portfolio strategy contains an array of global companies, ranging from automakers through hardware manufacturers to software companies developing computer vision, navigation systems and other solutions relevant to the sector. The companies span several industries and have an overall impressive global presence - and are all part of the trend that will make driverless cars a common part of our daily lives in the coming years:

Car Manufacturers

- **Tesla (TSLA)** - Elon Musk's electric car company has established itself as one of the most intriguing players in both the tech and automotive industries in the US. The company is developing driverless cars and trucks, and is one of the pioneers in automotive innovation.
- **Fiat Chrysler (FCA.MI)** - One of the largest automotive corporations in the world, Fiat Chrysler has a strong presence in both the North American and European automobile markets, and is working on its own self-driving car.
- **Toyota (TM)** - The world's largest automakers, Japanese Toyota is known to be a highly reliable carmaker, to have a strong international presence, and to have created pioneering innovative technologies, such as one of the world's first mass-produced hybrid personal cars.
- **Honda (HMC)** - Another Japanese carmaker, Honda and its name have become synonymous with quality, for family cars, high-end sports cars and luxury sedans. Honda is also working on a driverless car, declaring 2025 as its target year for a nearly fully autonomous vehicle.
- **Ford (F)** - The world's first automotive company is still one of the most influential carmakers out there. The company has announced plans for robot cars for ride-hailing and delivery purposes, and will be testing them in Miami in the near future.
- **Renault (RNO.PA)** - The French car giant has taken great strides in the autonomous car department: Its Symbioz concept model has generated positive reviews, both for its extremely advanced artificial intelligence-assisted

driving and its innovative approach of including the smart car as an integral part of the smart home of the future, positioning it as a notable player in the industry.

- **BMW (BMW.DE)** - The German luxury carmaker is a prominent player in driver-assistance technology, such as self-parking systems, which exist in some of its high-end brands. Therefore, it is no wonder that the company has been very public about its plans for creating a completely autonomous vehicle in the future.
- **Volkswagen (VOW3.DE)** - Pledging to add electric motors to all of its models by 2030, this German giant is also researching completely autonomous cars. The VW I.D. Vizzion concept model unveiled by the company is a fully self-driving car, that doesn't even have a steering wheel or pedals - it is designed to do all of the driving for the passenger.
- **General Motors (GM)** - The largest car manufacturer in the US, GM is no stranger to innovation. In the early 1990s, GM completed the development of the world's first serial electric car, the EV1. Despite being pulled from production later on, GM has proved that it is ready for big changes in serial manufacturing - a quality that will serve it well when the market tilts towards the driverless car.
- **Tata Motors (TTM)** - India's largest car manufacturer, which is part of a \$151 billion conglomerate, is actively testing autonomous microcars. According to the company, it might be one of the first to roll out mass produced self-driving cars.
- **Caterpillar (CAT)** - One of the largest heavy industry vehicle manufacturers in the world, Caterpillar is developing driverless trucks that could revolutionise many industries. In fact, the company is no stranger to automation, as several of its products already include self-driving trucks and other heavy vehicles, used by mining and construction companies around the world.
- **Delphi (DLPH)** - This auto parts company is one of the world leaders when it comes to electrical systems and software for vehicles. Its products could play an instrumental part in the linking of cars to advanced computer systems required for autonomous driving.

- **Ferrari (RACE)** - The Italian supercar's name is synonymous with luxury and speed. While it has distanced itself from the autonomous car space, it did declare that it is working on a fully electric supercar, which will rival the likes of Tesla.
- **Volvo (VOLV-A.ST)** - Swedish carmaker, Volvo already has high-tech driver-assistance solutions in some of its models, which is a significant step in the direction of a fully autonomous vehicle.

Software Companies

- **Apple (AAPL)** - The world's largest company has a strong presence in numerous fields of technology - and autonomous driving is no exception. Apple has been quite secretive about its driverless plans, but reports suggest the company is developing a brand new self-driving car of its own.
- **Nvidia (NVDA)** - Since an autonomous car requires great computing power, it is in need of strong processors. Nvidia is one of the world's leading manufacturers of processors for some of the most performance-based computer functions, such as real-time rendering of graphics heavy computer games. Therefore, it is only natural that the company will also be taking part in making processors for self-driving cars.
- **STMicroElectronics (STM.MI)** - Europe's largest semiconductor manufacturer, ST is also one of the companies taking part in creating the computerized "brains" that will steer the cars of the future.
- **Infineon (IFX.DE)** - This German chipmaker is developing semiconductors used in both driver-assistance systems and driverless cars. Teaming up with leading car makers, such as German luxury brand Audi, Infineon could serve a major role in the future of the automotive industry.
- **Texas Instruments (TXN)** - Involved in developing semiconductors and various sensors for more than 80 years, Texas Instruments is making its way into the autonomous driving realm. In 2017, the company unveiled a new array of sensors that could be used for autonomous cars, drones and more.
- **Advanced Micro Devices Inc (AMD)** - A power player in the microchip

industry, AMD is known for offering computing solutions that are more affordable than its main competitors, without compromising on performance. The company started hiring personnel for its AMD automotive department, which strongly suggests it is venturing into the field.

- **Dialog Semiconductor (DLG.DE)** - This German semiconductor manufacturer has reportedly been involved in the early stages of Apple's self-driving cars. While currently it seems that Apple chose to go another way, Dialog does have the capability to become a leading developer of hardware for autonomous vehicles.
- **MaxLinear (MXL)** - Developing hardware such as semiconductors and radio transmitters, this American company is directing some of its efforts into developing components to serve the self-driving car industry.
- **NXP Semiconductors (NXPI)** - This Dutch semiconductor manufacturer already has a strong foothold in the autonomous car industry, as it is one of the companies chosen by Chinese Baidu to help construct its driverless cars.
- **Skyworks (SWKS)** - Based in the US, Skyworks Solutions has manufactured some wireless transmitters that are being used for autonomous features in current cars. The company's experience in the field could serve as a strong foundation for its future business in the driverless car space.
- **HELLA (HLE.DE)** - A well-known supplier of parts and subsystems for the automotive industry, HELLA has announced that it is strategically entering the driverless space in 2018.
- **EnerSys (ENS)** - This battery producer has its products powering numerous cars and aerospace vehicles. As the automobile market shifts towards being driverless and electric, EnerSys could be a dominant player, producing the batteries powering these vehicles.
- **Visteon (VC)** - This car electronics and computing company spun off from Ford in the year 2000. Visteon has developed a unique platform for driverless cars, which enables the car's computer to decipher its surroundings and drive itself.



Each stock within the CopyPortfolio's composition is given equal allocation, and is rebalanced on demand by the eToro Investment Committee, pending market events. The minimum investment in the Driverless CopyPortfolio is \$5,000.

Investing in the self-driving car industry

It is obvious that there are numerous players and various companies operating in the driverless car space. In the coming years, it is likely that more companies, both existing and new, will join the industry, while the autonomous car becomes a mass-produced, global phenomenon. As the industry takes form, eToro will enable you to join the first wave of investors to take part in this exciting new automotive/technology sector. Using the Driverless CopyPortfolio, you can access a fully allocated, managed investment portfolio and gain exposure to the autonomous car industry.

Invest Now

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For more information regarding CopyPortfolios, contact:
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A substantial portion of the business segment in these stocks is unconnected to autonomous vehicle technology, therefore, the performance can vary on factors unrelated to this industry.



Resources:

1. <https://newsroom.intel.com/newsroom/wp-content/uploads/sites/11/2017/05/passenger-economy.pdf>
2. <https://www.bloomberg.com/news/articles/2017-09-11/vw-ceo-vows-to-offer-electric-version-of-all-300-models-by-2030>
3. <https://www.bizjournals.com/dallas/news/2017/05/17/texas-instruments-targets-self-driving-cars-more.html>
4. <http://safecarnews.com/hella-is-strengthening-its-strategic-approach-towards-autonomous-driving/>
5. <https://techcrunch.com/2018/07/03/baidu-just-made-its-100th-autonomous-bus-ahead-of-commercial-launch-in-china/>
6. <https://www.bmw.com/en/automotive-life/autonomous-driving.html>

All information presented is publicly available information. For updated data, refer to the CopyPortfolio's page. Numbers are accurate as of August 6th, 2018.

Past performance is not an indication of future results. Trading history presented is less than 5 complete years and may not suffice as basis for investment decision. This is not investment advice. Your capital is at risk.





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