

Mobility Plaza®

Innovating with robotics: How Autofuel builds the future infrastructure for mobility

As our society continues to develop and evolve, so does our need for advanced and sustainable infrastructure for mobility. One such area that requires significant attention is the refueling process for vehicles, particularly in the **face of emerging technologies** such as electric and autonomous vehicles. This is where Autofuel, a Denmark-based company, comes in with its fully automated robotic refueling system that not only supports existing fuels but also accommodates alternative fuels and soon, autonomous cars.

Autofuel's robotic refueling system is a cutting-edge solution that serves as a link between vehicles and energy sources at gas stations. With this technology, customers can refuel their vehicles automatically or manually at the same dispenser, without requiring modifications to existing dispensers or vehicles. The robotic system developed by the company enables efficient and flexible refueling of a wide range of vehicles and fuel types without requiring any human involvement. With its proprietary technology, Autofuel aims to establish a sustainable infrastructure for future mobility.



“At Autofuel, we believe that the future of mobility will be diverse and require a mix of fuels, which is why our system is designed to accommodate all kinds of fuels. Our goal is to provide convenient robotic solutions when it comes to the future mobility of both existing and autonomous vehicles. We are committed to exploring new avenues in order to ensure that we provide the most convenient facilities to our clients in this constantly evolving field. Apart from our robotic refueling system, we are also developing automated charging systems for electric vehicles by utilizing the scope of modern-day robotics. We believe that users can save their money and time significantly with our innovative single robot system which can move between multiple charging stations”, Jonas Thor Olsen, Partner, and CEO of **Autofuel**.

The focus on innovation and flexibility in the face of changing fuel options makes Autofuel a key player in building the future infrastructure for mobility. They recognize the inevitable need for multiple charging systems, as the number of electric vehicles is forecasted to be increased in the future. This is where Autofuel’s robotic charging system comes in, as it can optimize the charging process by prioritizing which vehicles to charge based on their needs and usage patterns.

However, Autofuel believes that, apart from the growth of electric vehicles, there are several other equally important aspects required to ensure a sustainable future for mobility. While autonomous vehicles are a great convenience to people, the concept will also be a key contributor to a greener transition in mobility. The use of autonomous cars will allow more people to drive less cars and less cars being produced will lead to less carbon emissions released within one industry. The autonomous vehicles that are on the roads are moving constantly, with little need to park, if only to charge. Compared to the current volume of vehicles on the roads, there will be less of a need for the large space being consumed for parking lots within cities. This space can now be utilized for recreational parks and greener areas.

The company emphasizes the importance of exploring new technologies that can support autonomous vehicles. A comprehensive system that can support the future energy transition can only enhance the efforts toward reduction in carbon emissions. Therefore, the company has designed its robotic refueling and charging systems to accommodate autonomous vehicles and alternative fuels.



Even when the autonomous vehicle industry is in its developing stage, Autofuel is willing to invest in its proposed technological innovations. According to the company, its aim is to provide technological

advancements in order to become a major player in the future of mobility. However, the company also acknowledges the potential challenges that come with the widespread use of autonomous cars, particularly the potential for humans to serve robots. In order to address this concern, Autofuel is consistently seeking new avenues to integrate autonomous technology into its systems without compromising safety and security.

The company always upholds the goal of reducing the number of cars on the road. And they identify the importance of an efficient and automated refueling system to ensure convenience and flexibility. The robotic systems developed by the company not only achieve this goal but also promote sustainability and flexibility in the face of changing fuel options. “We believe that our company is not just building robots to refill cars, but also building the future infrastructure for mobility, which will include autonomous cars and a mix of fuel options”, Jonas added.

As the future of mobility is evolving rapidly, Autofuel is committed to innovating with robotics to create sustainable and efficient infrastructure. Autofuel’s fully automated robotic refueling and charging systems are designed to accommodate a wide range of vehicles and fuel types, including autonomous cars and alternative fuels. The company is committed to building the foundation for an efficient, environmentally friendly, and safe future of mobility. The company strives to achieve this goal by prioritizing innovation, flexibility, and sustainability.

At Autofuel we welcome you to [contact us to get more information on robotic fueling.](#)

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