

Mobility Plaza®

Stay in business with robotic refueling

Autofuel presents its 3rd generation of robotic refueling system. A lightweight system with a small footprint, with the ability to operate any kind of fuel. Installed as an add on to the dispenser

The new Autofuel 3 is designed and manufactured to boost the current fuel retail business and prepare the gas station for the future. As the world's first ATEX approved collaborative system.

3 overall goals have been essential for the development of Autofuel 3:

- Easy to install on an existing gas station as an addition to available equipment
- Top level safety in combination with a simple user interface
- Adaptable to different kind of energy formats

It has been possible in cooperation with Universal Robots, to modify and ATEX certify a collaborative robotic arm as the world's first. Using a lightweight collaborative arm makes a super user-friendly system with a high safety level that can work amongst humans.

Autofuel 3 has 70% volume reduction, a 60% footprint reduction, and 80% weight reduction compared to the Autofuel 2.

This makes the system much easier to install and opens the possibility for a mobile system for future mobility hubs.





Benefit using robotic refueling...

“Do you know anyone that enjoys refueling their car?”

Is the leading question from Autofuel CEO Jonas Thor Olsen – we don’t, he answers and continues, “Refueling is widely recognized as a slight hassle or perhaps a necessary evil.”

In today’s energy retail market, convenience is one of the key parameters of competition. Robotic refueling basically gives the customer time. Stay in the car for a short brake or go to the shop for a coffee while the cars are getting refueled.

The gas station will experience improved capacity and traffic flow. Convenience is not only inside the shop Autofuel increase the convenience directly on the forecourt. From field investigation of forecourt customers behavior on different gas stations, we realize that many of today’s customers, does not even have the time to go to the store. But more interesting we also realized that customers in average spends more than one minute before they leave the car. In that time the robot is already far in process.



Autofuel 3 has already been installed in Finland since September 2021 in cooperation with Neste.

“We are very pleased and very proud of the cooperation we have with Neste; we gain valuable experience, and they are a great development partner to us. Neste proves to us that they are a company of Innovation of both biofuel and the technical development of the value chain.

Being able to operate the robotic system in Finland’s tough weather conditions – with minus degrees Celsius in the 20’s, – proofs the system can operate – also in very tough environments,” Jonas Thor Olsen says.



Autofuel is currently the only company in Europe operating safety and ATEX approved robotic refueling systems for personal cars. Autofuel is a Danish based company established in 2014, with offices and development in several European countries. Autofuel is determined to lower its CO2 footprint and the mother company’s core values constantly aim for a NetZero operation, why the company is currently establishing rewilding projects as well as related carbon capture projects.

See the Autofuel 3 at the UNITI expo in May 2022. For more information visit www.autofuel.eu or contact info@autofuel.eu.

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