



## Press Release

# Berlin startup ENWAY brings the self-driving sweepers to Singapore

Berlin, 26.03.2019

*ENWAY and NTU Singapore will realize the world's first autonomous street cleaning on public ground. The focus of development is on 5G-capable teleoperations, AV security and AV cybersecurity as well as innovative brush and sweeping control systems.*

ENWAY is partnering with Nanyang Technological University (NTU) to bring autonomous street sweepers to Singapore. In a project by the National Environmental Agency Singapore (NEA), the consortium will establish the world's first autonomous cleaning of public roads within the next few months. After successful tests on the premises of NTU CETRAN, the autonomous road sweeper from ENWAY will independently clean an area of more than 12 kilometers of road in daily operation. The aim of the project is to enable efficient, high-quality, and environmentally friendly cleaning of streets and sidewalks by implementing the latest technologies.

"Last year in Darmstadt, together with the EAD, we showed that self-driving sweepers can successfully clean public land," explains ENWAY co-founder Julian Nordt. "We are pleased that, together with our partners and NEA Singapore, we can show in a long-term project how modern technologies are changing street cleaning."

The vehicle is equipped with numerous sensors (2D and 3D lidars, 3D cameras, GNSS, etc.) and ENWAY's autonomous software stack for operation as a self-driving sweeper. A fully electric compact sweeper from the Swiss manufacturer Bucher Municipal serves as the base vehicle. ENWAY's software stack has been specially developed for service vehicles, that drive and operate autonomously. The project will start in March 2019 and will run until September 2020. Upon successful completion of the project, ENWAY intends to commercialize autonomous cleaning on public land in Singapore and abroad.



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### **About ENWAY**

ENWAY was founded in Berlin at the beginning of 2017 and has 35 employees in Berlin and Singapore. The company developed a technology platform for high-precision, autonomous working machines, with which sweepers clean factories or large warehouses independently. In the municipal sector, ENWAY supports street cleaners with autonomous machines. The vehicles react dynamically to changes and obstacles. ENWAY cooperates with established companies and integrates its technology for autonomous operation into existing machines. Find more information at [enway.ai](http://enway.ai).



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