

Horizon-MSCA-2021-DN-01

Project number: 101072414

Project acronym: E2GO

**Project coordinator: dr. Dongsheng Yang, Eindhoven
University of Technology**



Cost-reduction of EV fast-charging station to enable
large-scale electrification of mobility

<Deliverable 31 –

Website, Twitter, Instagram account>



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Universidade do Minho



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Report of deliverable

Respective social media channels have been created for the project:

Website: <https://www.e2go-project.eu/>



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The transport sector is the only sector whose emissions have continued to rise for years. Road traffic is responsible for a staggering 21% of total EU greenhouse gas emissions and is the main cause of air pollution in urban areas. Studies of the IPCC show that to counter climate change we need to accelerate the transition towards zero-emission road traffic. EU, therefore, has the goal that from 2035 only 100% emission-free cars may be sold. It is clear that the decarbonization of automobility is crucial and even necessary for a sustainable future of Europe, but how do we get there? A fully charged EV battery has a much lower range of travel compared to a full tank of gasoline. One of the resulting core challenges in fully electric vehicles (EVs) adoption is reducing charging anxiety, the fear that one may not find suitable charging facilities. New regulations announced



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Science & Technology ⓘ [e2go-project.eu](https://www.e2go-project.eu) 📅 Joined December 2022

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DN E2GO

We are a European funded MSCA Doctoral Network, with partners and beneficiaries from NL, PL, PT, DK and AT.

Hoger onderwijs · Eindhoven, North Brabant

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Overzicht

Road traffic is responsible for 21% of total EU greenhouse gas emissions and is the main cause of air pollution in urban areas. There is an urgent need to decarbonize transport. The EU aims to ban the sale of new vehicles with an internal combustion engine from 2035 onward. The emerging alternative is battery electric vehicles (EVs). The widespread adoption of EVs requires large investments in charging infrastructure. The electricity consumption of charging EVs puts great pressure on the electric grid. To manage the load in the grid and ensure that peak demand can continue to be