

# Horizon 2020 European Green Vehicles Initiative

A bottom-up approach for autonomous driving using scalable and modular transport vehicles

Eric Verhulst

[www.altreonic.com](http://www.altreonic.com)

# Project outline

- The project looks at transport in a bottom-up way, from small vehicles for individual transport that change mode by becoming tightly or loosely coupled with each other.
- Vehicles transition into modes now covered by separate transport means (bicycle, car, bus, train, ...), with each mode allowing more autonomous, faster and safer transport, provided the road infrastructure is adapted.
- Enabling technology is the use of hybrid or electric redundant drive systems that allow to use such vehicles as fault-tolerant transport components.
- Fault-tolerance is a necessary pre-condition to achieve safety levels not covered by the current automotive standards.
- This project encompasses several domains: energy-efficient mobility, road infrastructure, safety and systems engineering and can be an enabler for other domains as well.

Looking for project partners

Contact:

Eric.Verhulst@altreonic.com

[www.altreonic.com](http://www.altreonic.com)