

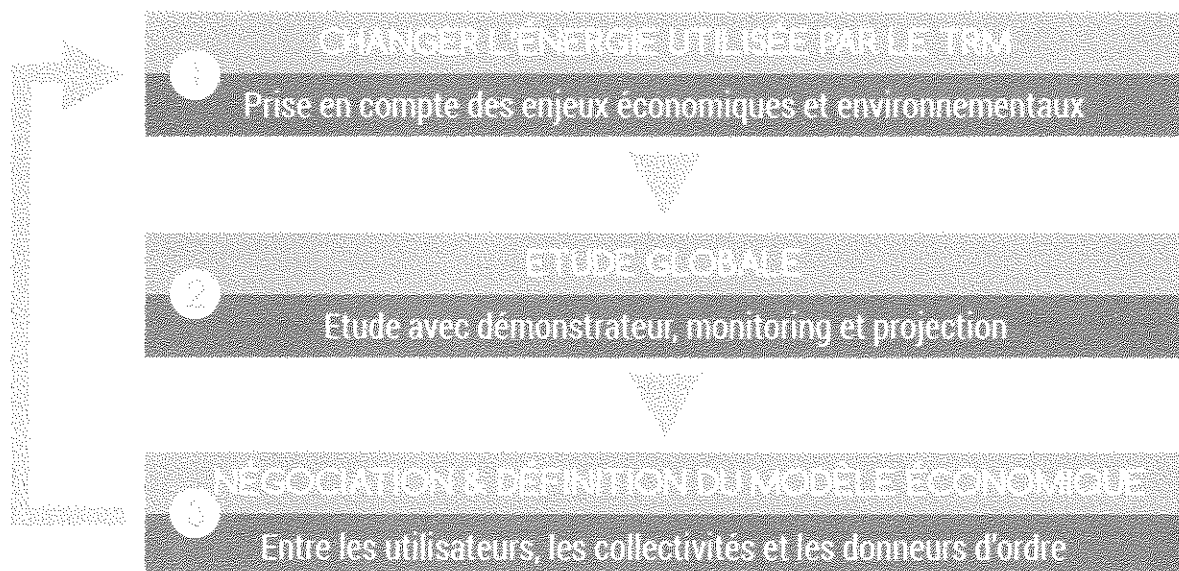


Impact of alternative energies to diesel in road transport (people and goods) through multi-energy refuelling stations corridors

A COLLABORATIVE, TRANSVERSAL AND SCIENTIFIC APPROACH

The project starts from an approach that respects the precepts of Sustainable Development on the networking / corridors of refuelling stations for road transport of people and goods.

The aim of the project is to validate the options, obtaining unquestionable answers, by setting up a scientific method, validated by competent and neutral actors.



The project must verify the impact of the emergence of a mesh of multi-energy refuelling stations alternative to diesel, under sufficiently reliable conditions to ensure a good duplication.

Currently, each alternative energy solution is considered technically and economically through its own eyes or by contrast.

The project will have to demonstrate that the integration and pooling of alternative energies within the same strategic geographical area presents a positive cumulative benefit.



PROJECT CORE

OBJECTIVES:

1. Develop a framework and methodology for the implementation of innovative solutions for the production, development and market opportunities of alternative energy in regional, peri-urban and urban areas
2. Verify, by demonstrators of refuelling stations, compatibility and interoperability of multi-energy alternatives in the same strategic geographical location with regard to the needs of a territory
3. Sustain new alternative fuels for road transport (people and goods) in favor of local circular economies

STEPS:

1. Connecting transnational actors around themes on the recycling of molecules promoting a circular economy
2. Surveys and compilation of structuring data on the means, volumes, experimental zones
3. Spectrum of waste recovery solutions for the supply of multi-energy refuelling stations
4. Integration of urban logistics and land management policies
5. Mesh simulation of alternative multi-energy stations (NGV & BioNGV / Hydrogen / Electric / Cryogenics)
6. Demonstrators by setting up different pilot refuelling stations with atmospheric emissions monitoring from vehicles
7. Valorisation of fuel alternatives on their ability to reduce internal and external traffic nuisance
8. Interoperability of technical refuelling or refilling systems and methods of payment
9. Use of Artificial Intelligence by SMART Grids

