Vert chez vous, an urban logistics with 100% environmentally friendly vehicles, and offering multi-modal transport combining bicycle and river transport.

**KeyWords:**
Implementation of low emission technologies, Innovative vehicles, vessels and equipment, Access rules and restrictions of urban areas

**Case Logo or Picture:**
![Livraison urbaine éco-responsable](image)

**Benefits:**
- Reduction in CO2 emissions
- Reduction in atmospheric pollution
- Reduction in noise and traffic jams
- Image benefits

**Success Factors:**
- Public policy promotes the emergence of this type of initiative: heavy goods eco-tax (above 3.5t), air priority action zones (ZAPA), urban tolls, zones where speed is limited to 20kph, limitation of delivery times by conventionally fuelled vehicles in the very centre.
- Information and communication systems guarantees following day delivery.

**Supported Strategic Targets:**
- Reduced emissions and noise
- Limited congestion and improved utilisation of infrastructure
- Limited climate change

**Description:**
Vert chez vous has a fleet of vehicles for the next-day distribution of goods in the cities of Paris and Toulouse, operating only on electrical power or NGV (natural gas for vehicles). A river shuttle ("Vokoli" barge) provides multi-modal distribution for packages via the Seine. The Vokoli makes five stops. At each stop, a delivery team by bicycle leaves to make deliveries in the area (1½ hours), then rejoins the Vokoli two stops further on. In the boat, staff do a logistics sort by route.

**Starting Point/Objectives/Motivation:**
This type of approach can only grow in the context of restrictions on the access of traditional vehicles to city centres. Difficulties in accessing land for setting up a break-bulk logistics base at the approaches to a city or in its centre are likely to delay the project and make it costly.

One of the shareholders in Vert chez vous, Gilles Manuelle, has been developing his initial experience in urban logistics with goods bicycles since 2001.

Vert chez vous is the First French goods delivery company (consolidating flows, such as conventional parcel delivery) with 100% environmentally friendly vehicles (electrical power or NGV - natural gas for vehicles), both of which emit very low CO2 levels and produce the least noise) and offering original multi-modal transport combining bicycle and river transport.

NGV allows mixed routes (urban and suburban) in excess of 150km. Electric vehicles provide a silent solution for all routes under 130km.

A river shuttle ("Vokoli" barge) provides multi-modal distribution for packages via the Seine.
Vert chez vous has a fleet of vehicles for the next-day distribution of goods in the cities of Paris and Toulouse, operating only on electrical power or NGV.

Moreover Vert chez vous combines bicycle and river transport in Paris. The “Vokoli” barge is loaded at 7am at the port of Tolbiac. In the boat, staff do a logistics sort by route. The Vokoli makes five stops and turns round at the bridge at the port of Grenelle. At each stop, a delivery team leaves to make deliveries in the area (1½ hours), then re-joins the Vokoli two stops further on, once deliveries have been made. During the sailing time, the sort continues and new routes are prepared for the return of each delivery team. Each team makes two rounds during the morning.

At the start of the afternoon, the Vokoli turns around to return to its home port of Tolbiac and the same system is used for making deliveries/collections until evening.

20m³ capacity electric or NGV vehicles for the transport of pallets, large volumes and hanging garments have been adapted to provide the driver with greater safety: vehicles with a door that allows the driver to move from the cab into the goods area without exiting the vehicle and a right-side door that allows the driver to step safely down on to the pavement without having to deploy the tailgate for each delivery.

Initially implemented in Paris with a recent extension to Toulouse, the approach could be developed in other French cities.

www.vertchezvous.com

- river shuttle
- bicycle
- environmentally friendly vehicles: electrical power and NGV

Main actors involved:
- Vert chez vous, an eco-responsible urban logistics specialist

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