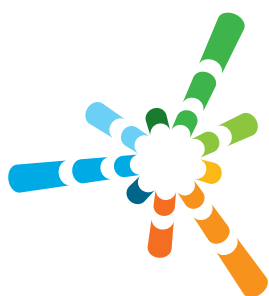


# CRISTAL

Modular transport solution

100% electric  
and modular



**cristal**  
by Lohr

NEW MOBILITIES

# 100% electric, modular, and sustainable: Cristal, the new concept of

Cristal, the 100% Made in France mobility solution, is a modular, electric transport system that adapts its passenger capacity to demand thanks to its modularity and coupling system, while offering public transport standards (ramp for accessibility for people with reduced mobility, passenger comfort, safety, etc.).

Designed with a "public transport" approach (15-year lifespan), Cristal complements other forms of public transport (metro, tram, bus) by offering a solution for small and large communities.

## TECHNICAL PERFORMANCE



14 people / vehicle  
Maximum 42 people



Slope crossing:  
20%



Autonomy: from  
120 km to 170 km



Maximum speed:  
50 km/h



Automated mechanical  
coupling (< 1min)



Full charge:  
2h30 (50% in 1h)



## ACCESSIBILITY

- Kneeling: floor leveling at sidewalk height
- Electric ramp
- 1 space for people with reduced mobility
- 1 space for electric or manual wheelchair user



## MODULARITY PERFORMANCE

- Coupling: coupling/uncoupling in less than 2 min.

- Modularity :

 14 persons

 28 persons

 42 persons

Solo mode

Convoy mode

2,53 m



1,87 m



4,20 m

Same length and width as a city car,  
but with standing access and ground floor entrance



## USE



- regular public transport
- on-demand service



- city centre
- residential area, last mile
- tourist area
- airport
- industrial area...

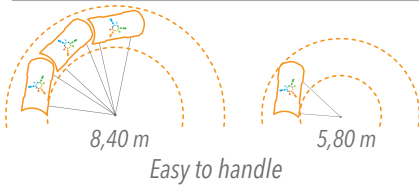


# Cristal

## ⊕ EFFICIENT

14 28 42

Compact - Modular - High capacity



## ⊕ ECOLOGICAL



Zero emissions of CO<sub>2</sub>



100% electric and silent

## ⊕ ECONOMICAL



Low maintenance cost



Low operating costs



29 rue du 14 juillet  
67980 - Hangenbieten  
FRANCE  
Tel. : +33 3 88 38 98 00  
[www.lohr.fr](http://www.lohr.fr)

NEW MOBILITIES

