

***cristal***  
by Lohr

Flexible  
transport solution

100% electric, economical  
and connected





100% electric, eco-friendly and sustainable: *Cristal* is a new way of shared mobility.



*Cristal* is designed to offer the operators a **flexible public transport mobility solution**.

100% electric, *Cristal* offers an easy-to-use & comfortable shared mobility experience, accessible to all, everywhere.

*Cristal* was conceived to be fully complementary to current forms of public transport (such as the underground, trams and buses), and mainly covers **the first and last miles** of your journey.

## Technical performances

- Automated coupling system following a single-lane trajectory,
- safety: no spaces between each shuttle module,
- on-board battery has enough power to run all day,
- max incline: 20%,
- range: 120 km,
- full charging time: 90 min (50% in 30min),
- speed: Solo mode: 70km/h / Shuttle mode: 40 km/h.



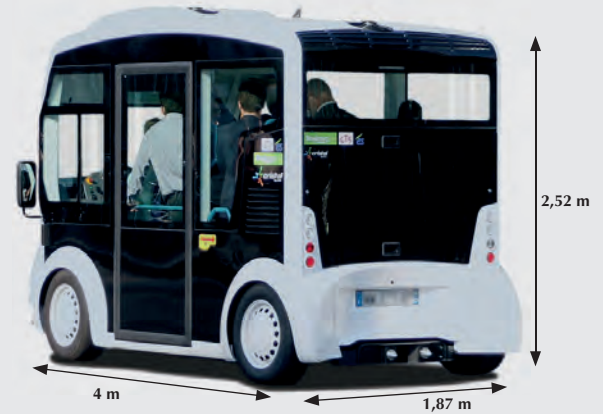


« Within the spectrum of our group's historic activities and its successes in the field of transport, **Cristal** represents a new step towards the mobility of the future. »

**Cristal** is shared, clean, connected, flexible and run by the same operator as the whole of the current public transport network.

As a twin-use system, **Cristal** operates for different public transport and on-demand transport uses.

The fact that it provides such an integral offer shows even more how distinguished and innovative it is.



Same length and width as a city car, but with standing, pavement-level access



## Flexibility performances

- **Digital:** Being connected to smartphones, **Cristal** can be localised permanently.

- **Coupling:**



# The benefits

## + EFFICIENCY



Comfortable, secure and fully accessible for people with reduced mobility



Modularity and short radius

## + ECONOMICAL



Low maintenance cost



Low operational cost due to the flexibility

## + ECOLOGICAL



zero CO<sub>2</sub> and GHG emissions



Quiet and 100% electric vehicle



With its range of **Cristal** and **i-Cristal** vehicles, Lohr satisfies the mobility needs of local communities, with or without a driver. These transport solutions can be used in new 100% **Cristal** or **i-Cristal** lines or supplement existing networks by offering multiple uses: public transport or on-demand services. Designed and developed for MaaS (Mobility as a Service) solutions, **Cristal** and **i-Cristal** are complementary to mass transit systems and can be operated intermodally.

