



cristal
by Lohr

Flexible
transport solution

100% electric, economical
and connected



100% electric, ecological and sustainable:



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.

Designed with a «public transport» approach, the Cristal system offers a plurality of uses: serving the first and last kilometers, replacing buses on existing lines or transport on demand.



Technical performances

- Automated hitching 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: 100 km,
- fast charging time: 100% in 90 min, 50% in 30 min,
- speed: Solo mode: 50 km/h / Shuttle mode: 40 km/h,
- automatic electric ramp for PRM access.



Cristal is a new way of shared mobility.

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

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

- **Hitching:** Hitching and unhooking operation in less than a minute.
- **Modularity:**



16 people

Solo mode



32 people



48 people

Shuttle mode



64 people

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 CO₂ 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.

NEW MOBILITIES

