

Cristal

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 modularity

ECOLOGICAL



zero CO₂ and GHG emissions



Quiet and 100% electric vehicle



With its range of **Cristal** (driven shuttles) and **iCristal** (autonomous shuttles) vehicles, **Lohr** meets the mobility needs of local communities, with or without a driver. These transport solutions can be used in new 100% **Cristal** or **iCristal** 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 **iCristal** are complementary to mass transit systems and can be operated intermodally.

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CRISTAL

Modular transport solution

100% electric, modular and connected



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NEW MOBILITIES



cristal
by Lohr

NEW MOBILITIES

100% electric, ecological and sustainable : Cristal, is a new way of shared mobility.

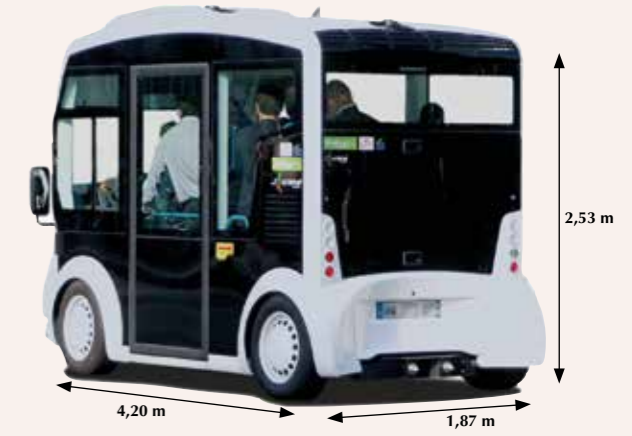


Cristal is designed to offer the operators a modular public transport mobility solution.

100% electric, **Cristal** offers an easy-to-use & comfortable shared mobility experience, accessible to all, everywhere. Designed with a «public transport» approach in mind, the **Cristal** system has a variety of uses as a linking shuttle service, or replacing buses on pre-existing lines.

Cristal solution constantly adapts to the number of passengers (1 to 3 shuttles coupled).

This complete offer underlines its unique and highly innovative character.



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



SPECIFICATIONS

- Automated mechanics hitching system allowing a single-lane trajectory and a small turning radius,
- Safety: limited space between each shuttle module,
- On-board battery has enough power to run all day,
- Fast charging time: Full load in 2 H 30 min,
- Max incline: 20%,
- Range: from 120 km to 170 km,
- Max speed: 50 km/h,
- Automatic ramp for easy access for People with Reduced Mobility (PRM) and Users in Wheelchairs (UFR).



MODULARITY

- **Hitching:** Coupling and uncoupling operation in less than two minutes
- **Modularity:**
 - 14 passengers (Solo mode)
 - 28 passengers (Convoy mode)
 - 42 passengers (Convoy mode)