

# DRAISY

The train of small local lines  
serving rural communities

100% light 100% frugal



RAILWAY SYSTEM

NEW MOBILITIES

# DRAISY 100% light 100% frugal - The train of small local lines serving

**DRAISY**, a very light train for passenger transport, is intended to give a new lease of life to small railway lines in rural areas. It meets the needs of nearly 9,000 km of **local lines serving rural communities** in France and the needs of international networks.

With two other partners, Stations-e and the IRT Railenium, SNCF and LOHR are the winners of the "Digitalisation and Decarbonisation of Rail Transport" call for expressions of interest with **DRAISY**. This CEI is part of the fourth PIA4 (French "Investing in the Future" programme) aimed at designing the railways of tomorrow and optimising their operation.

In the consortium, Lohr provides the **rolling stock** compatible with the **DRAISY** solution.

**DRAISY is a 100% battery-powered electric train** which can be recharged rapidly in stations in a way that is very convenient for operations without impacting passenger service.

This **very light train** places a reduced load on the rails (<10 t per axle) and is equipped with **steerable axles**. These two major innovations contribute to **limiting rail wear**.

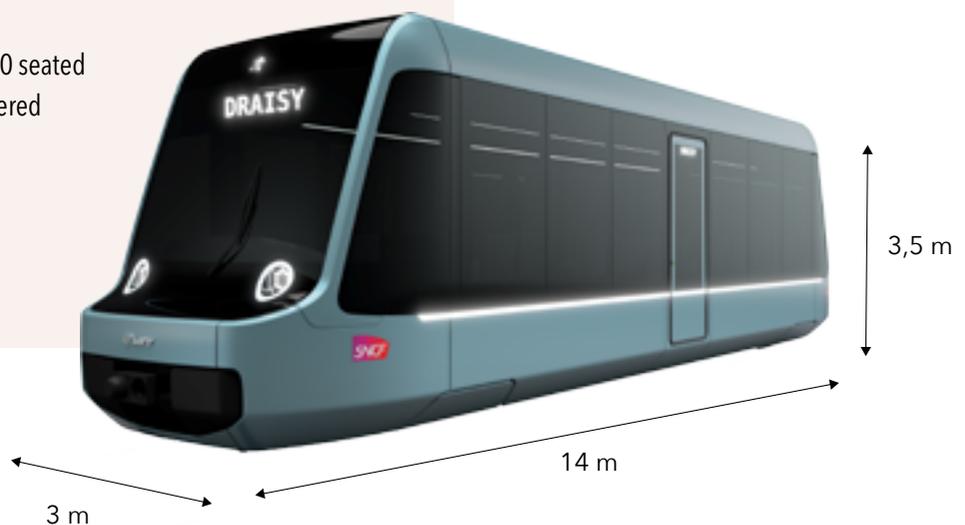
**DRAISY** incorporates frugal solutions from the road transport world.

All of these innovations make it possible to **considerably reduce the cost of operation and maintenance** compared to current solutions (60% less expensive).



## MAIN FEATURES

- Autonomy: 100 kilometers
- Maximum speed: 100 km/h
- Capacity: 80 passengers, including 30 seated
- Electrical energy: 100 % battery powered
- Quick recharge in stations
- 2 steerable driving axles
- Axle load: 10 tonnes
- Nominal weight: 20 tonnes





**Vehicle for passenger transport**

As long as a bus (14 m) with a capacity of 80 passengers



**Limited rail wear, considerable reduction in operating and maintenance costs**

Reduced load on the rails (<10 t per axle) and equipped with steerable wheelsets. 60% less expensive than current solutions (per passenger km)



**Road transport systems**

DRAISY incorporates frugal solutions from the road transport world



**100 % battery**

Fast battery charging at the station, Autonomy of 100 km

# DRAISY



## THE PARTNERS



## DESIGN

- Outdoor: @HAIKU Design
- Interior: @SNCF



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