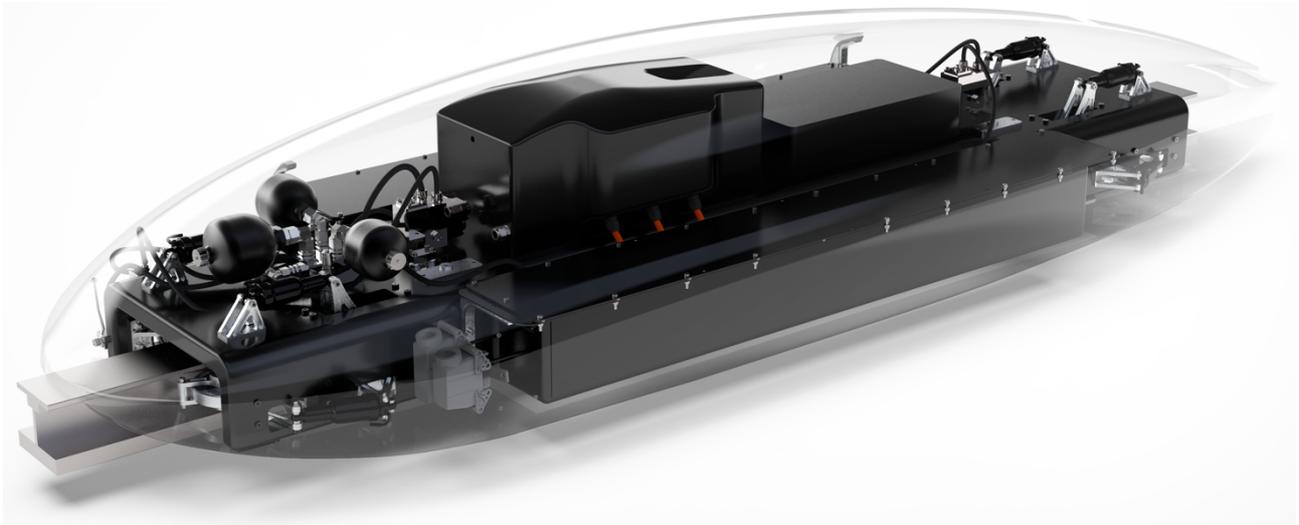


## Pod "Claude Nicollier"

"Claude Nicollier" is the third prototype designed by Swissloop. The team developed the pod between September 2018 and May 2019. From the 14th to 20th of July, "Claude Nicollier" will compete in the fourth Hyperloop Pod Competition in LA, California, hopefully qualifying for the finale on the 21st of July. The pod has received its name in honour of Claude Nicollier, the first Swiss astronaut, who first went to space in 1992, followed by three more space flights.



### Propulsion

Motor	Linear induction motor (LIM)
Power	about 600 kW
Acceleration	1.5 g
Battery	2 batteries with a total of 672 battery cells
Voltage	over 800 V

### Brakes

Braking system	2 hydraulic brakes
Deceleration	7 g

### Stability

Suspension	supports the weight of the pod and ensures that the pod retains the correct position during the acceleration
Stability system	4 horizontal wheels along the i-beam

### General

Weight	about 220 kg
Individual parts	more than 1400 different parts (around 147 of them custom-made)
Measurements	3.27 x 1.0 x 0.49 m
Chassis	Carbon fiber