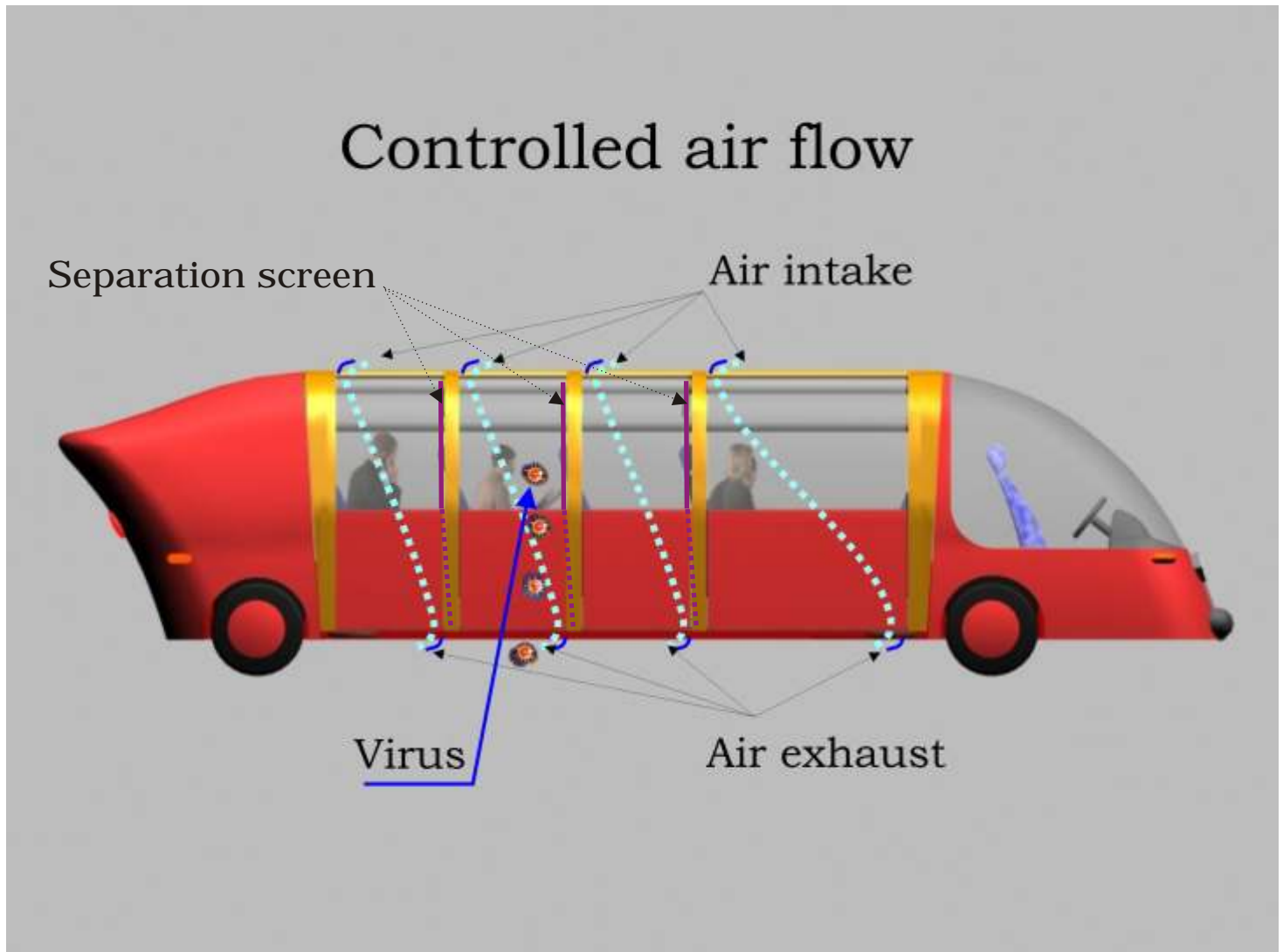


# RUF anti virus transport

A controlled flow of air from top to bottom is possible in the RUF system, where all passengers are seated and every seat can be isolated from the others, since the access to the seats is directly from the street (sideways).



Traditional Public Transport is a major risk factor in the fight against virus.

Large crowds of people standing close together during rush hour makes virus spread very problematic.

Public transport cannot do anything about it, since the systems are based upon large units moving many people at a time.

The RUF system offers public transport in a new way:

Many small vehicles drive the long distance via a special triangular monorail system.

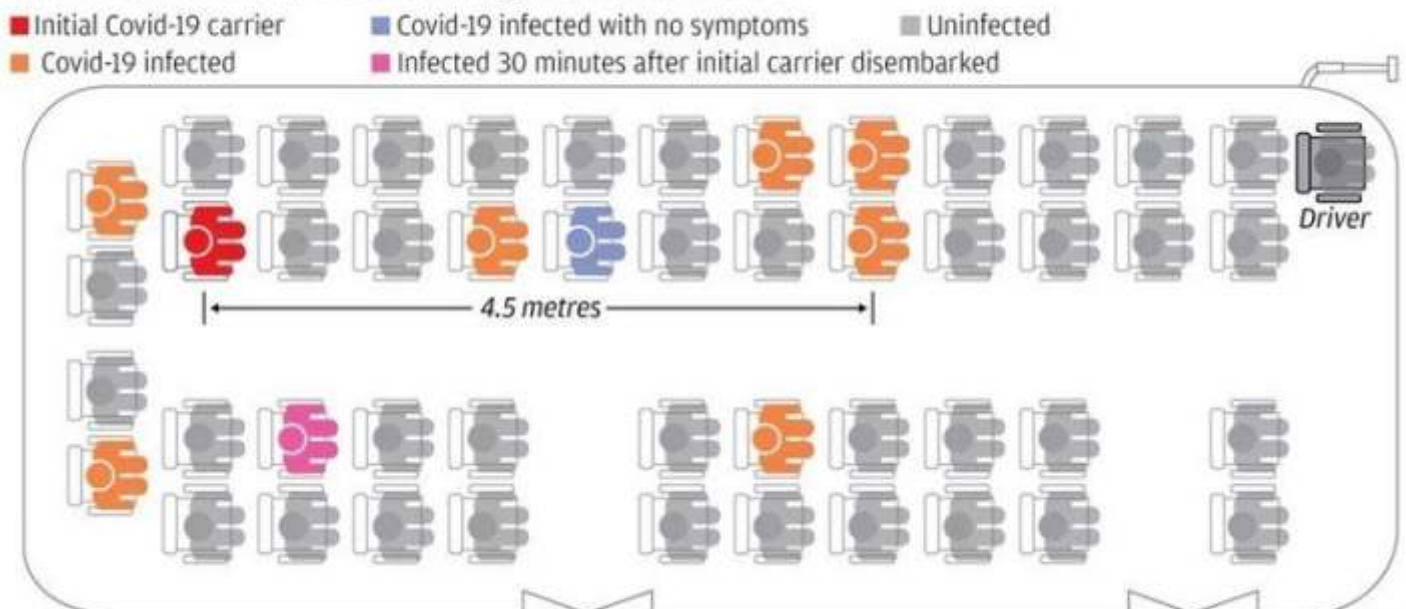
The vehicles are divided into 8 separate closed rooms, so that most passengers are seated in an isolated air stream from top to bottom. One virus infected passenger will not be able to infect others.

# What is the problem with Public Transport ?



The density is a serious problem both in a metro and in busses. One infected passenger in a bus can spread the virus to several others even if they are all seated. All passengers share the same air and when they move in and out of the bus, the virus can easily spread.

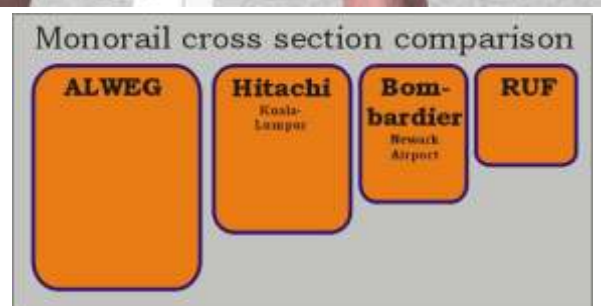
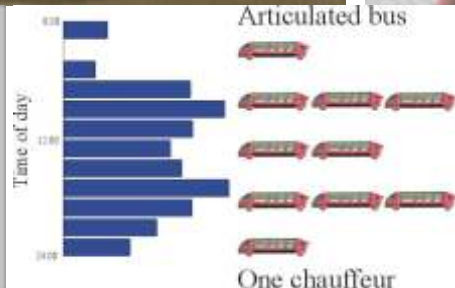
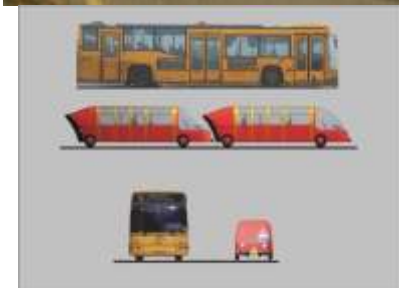
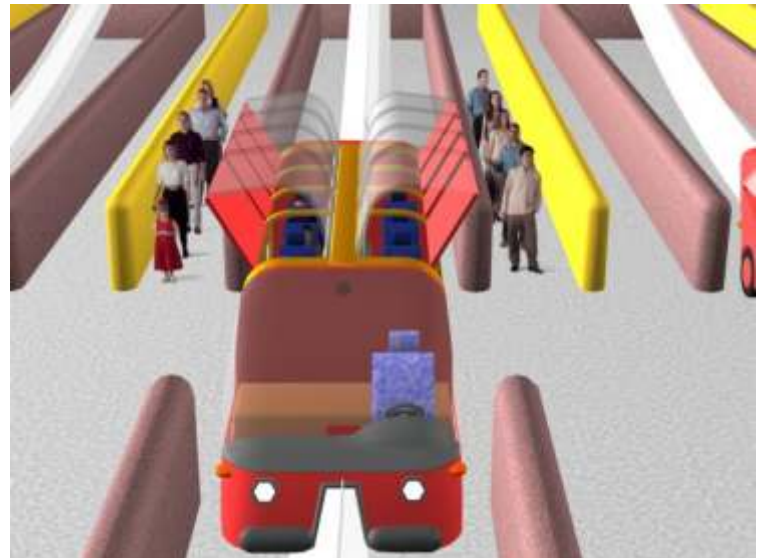
## How Covid-19 spread through a Hunan bus



The RUF system can make a difference.

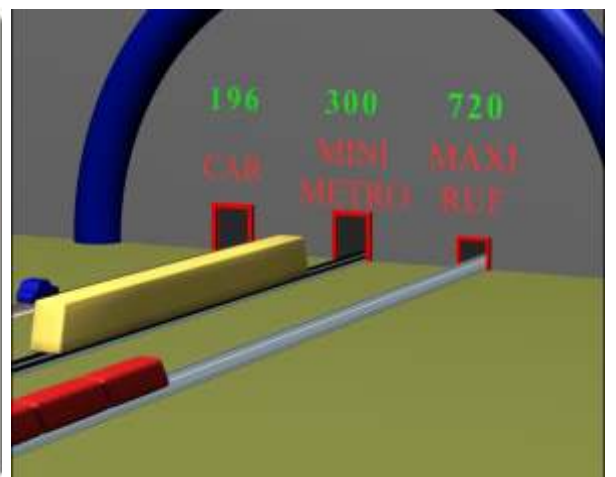
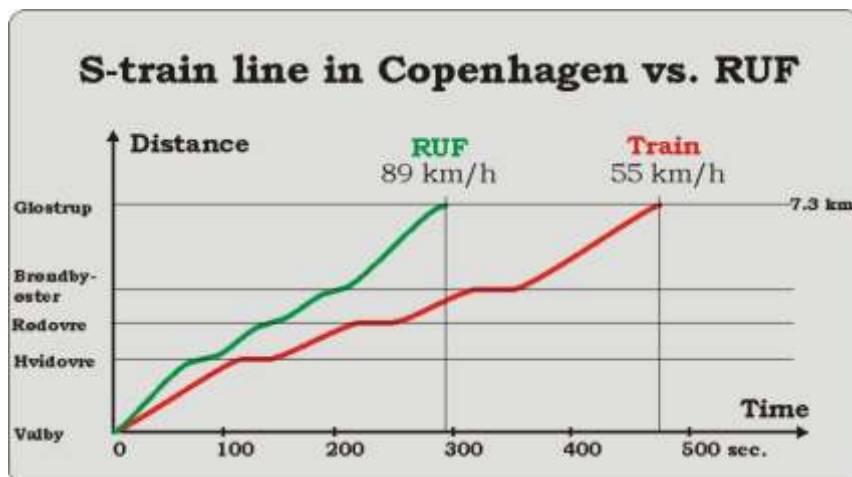
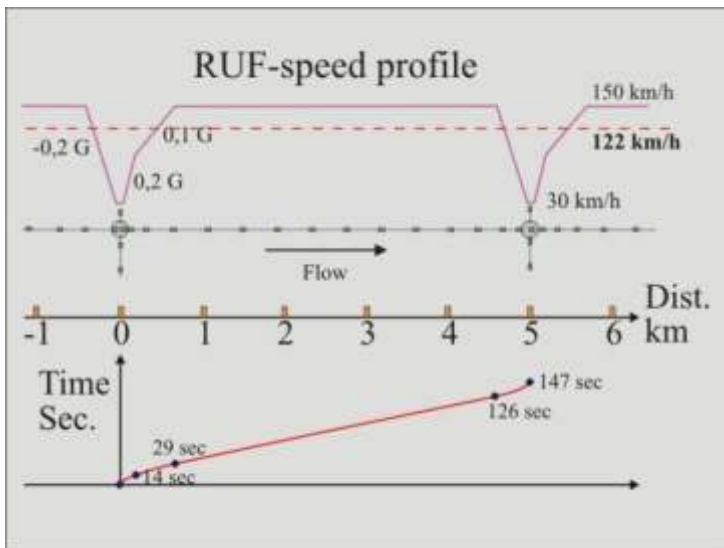
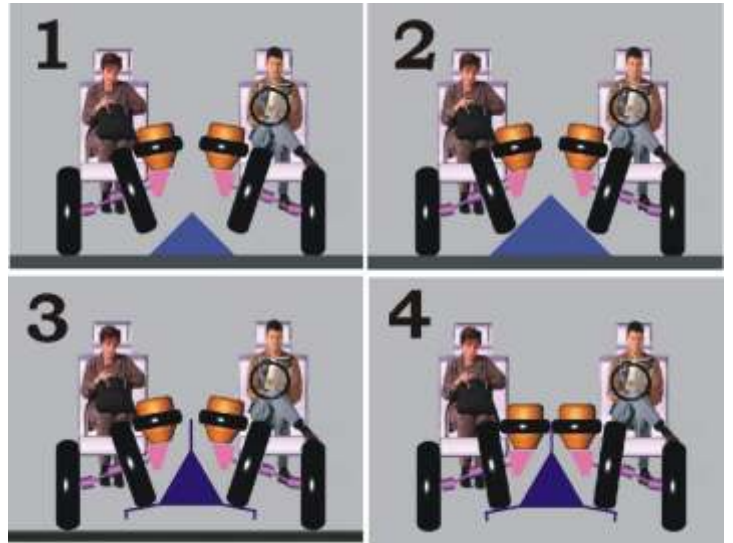
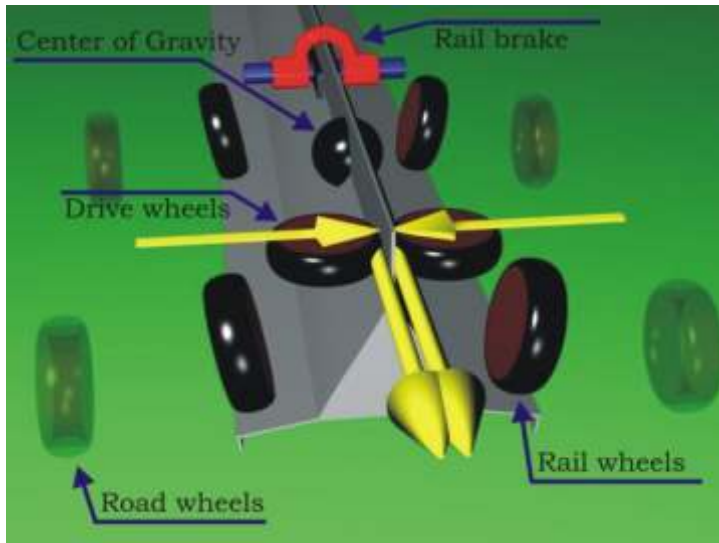


Small dimensions, no standing, every passenger has a seat.  
Safe separation of passengers prevent contact.  
Direct access to seats from street or platform



# High frequency means high capacity

- Excellent braking
- Dualmode switch
- Off-line stations
- Door to door transport
- Very small cross section needed
- Non stop means high speed



# High network capacity

As part of the EU research program: CyberMove it was analyzed how many of the commuters in the Greater Copenhagen area could be handled by a simulated network of RUF rails.

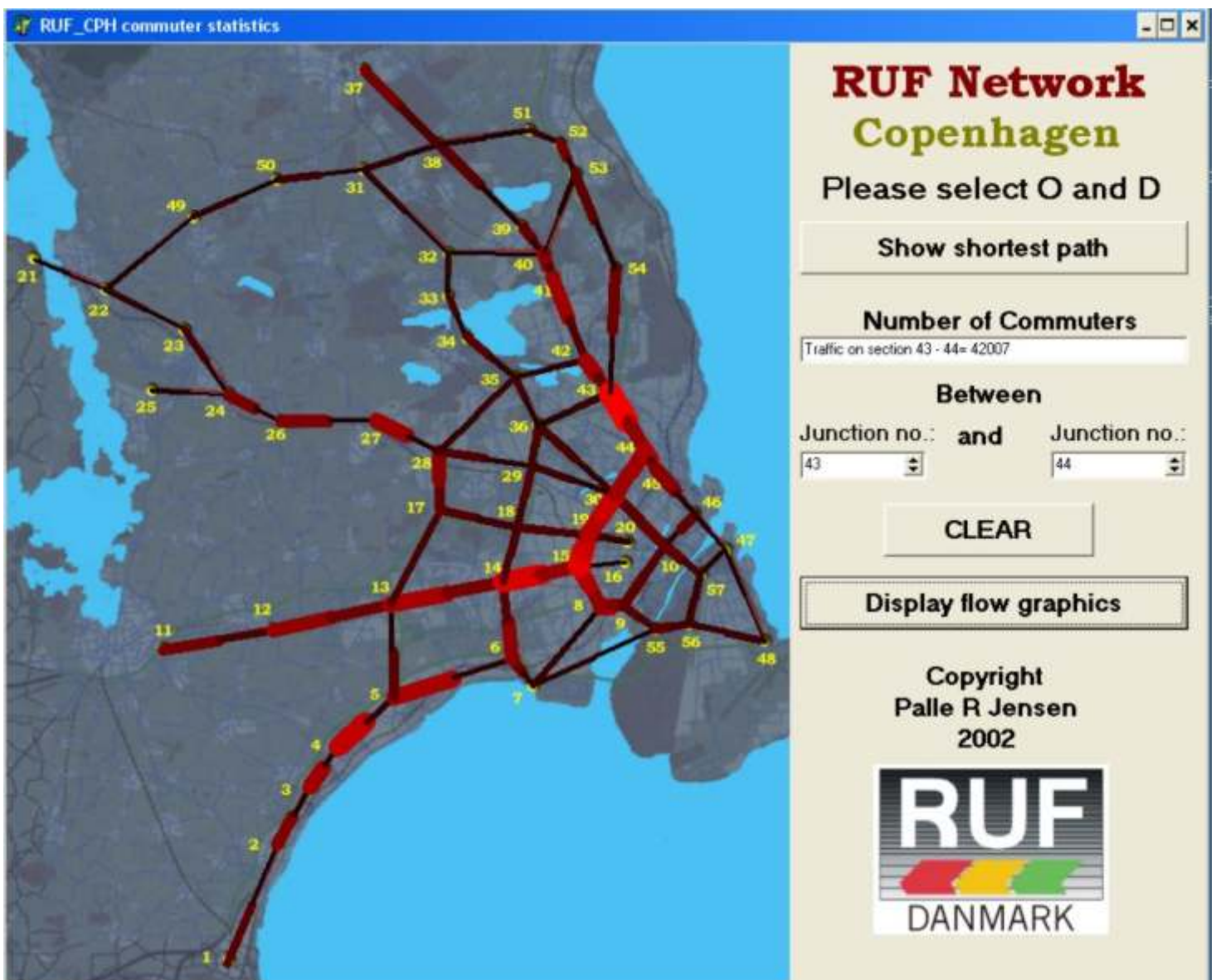
Based upon the official database of commuters between municipalities, all trips (Public as well as private) was converted to the RUF network in a huge spreadsheet.

The result which can be seen using the simulator:

[www.ruf.dk/rufcom.exe](http://www.ruf.dk/rufcom.exe)

is that ALL commuters can be handled by the RUF network using the maxi-ruf vehicle as the transport vehicle.

In most cases the trip will be faster. No parking problems and no congestion delays.



# Implementation strategy

Implementing RUF Public Transport (maxi-ruf) in parallel with the existing system will make it possible to solve the climate crisis and a coming virus crisis at the same time.

More people will be able to use Public Transport without spreading a new virus in the future.

At the same time the transport system will be converted to electric transport in a very effective way. First as PT later as RUF cars.

