System for signalling the space available to passengers of a transport system and available space for people in a waiting or transit area (inTO)

Subway

Waiting areas

Surveillance cameras

Public transport stops

Product insight

The inTO system, patented

by Italdesign, is designed to provide

public transport, such as the subway,

available inside the compartment, so they

can move to the easiest place to get on.

The criterion underlying the signal is set

for COVID-19 emergency management.

requirements, for example, restricted access

according to social distancing requirements

Travelers are informed of the available space

green (free), yellow or orange (partially free)

is an extremely accurate system. It integrates

monitoring and predictions of people flow thanks to the use of artificial intelligence and machine learning. The system is able to process a large amount of data using

according to three occupation conditions:

passengers who use, for example,

an advance estimate of the space

based on the transport occupancy

and red (occupied carriage).

In the field of New Mobility, inTO

Artificial Intelligence

Signalling Available space

Transport system

Crowding indicators

Innovations/advantages

Estimation of the space available to passengers on public transport in order to provide a signal to passengers as far in advance as possible to give them time to move to a position where they can easily board the means of transports; signals or data indicative of the estimated space available to passengers are processed to represent three occupancy conditions: green, yellow or orange, and red; users can move to the access points of the incoming means of transport by following the visual signals to enable them to get on the means of transport in the less crowded sections.

Application field

Public transport organizations (New York, London, Shenzhen, Hong Kong, etc.)

ínto

Patent Information

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machine learning by adding variables such as data on flows, weather conditions. and exceptional events that result in heavy flows.







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