

Road congestion will increase
with **148%** from 2018 to 2025

Source: Traengselskommissionen (Danish)

\$46 billion is the combined yearly cost of congestion in N.Y.C. and London in 2018

Source: The Economist

In 2003, US congestion caused **3.7B** hours travel delay, and **2.3B** gallon of wasted fuel for a total cost of **\$63B**

Source: TRB Special Report 290

Challenges of overcoming traffic congestion

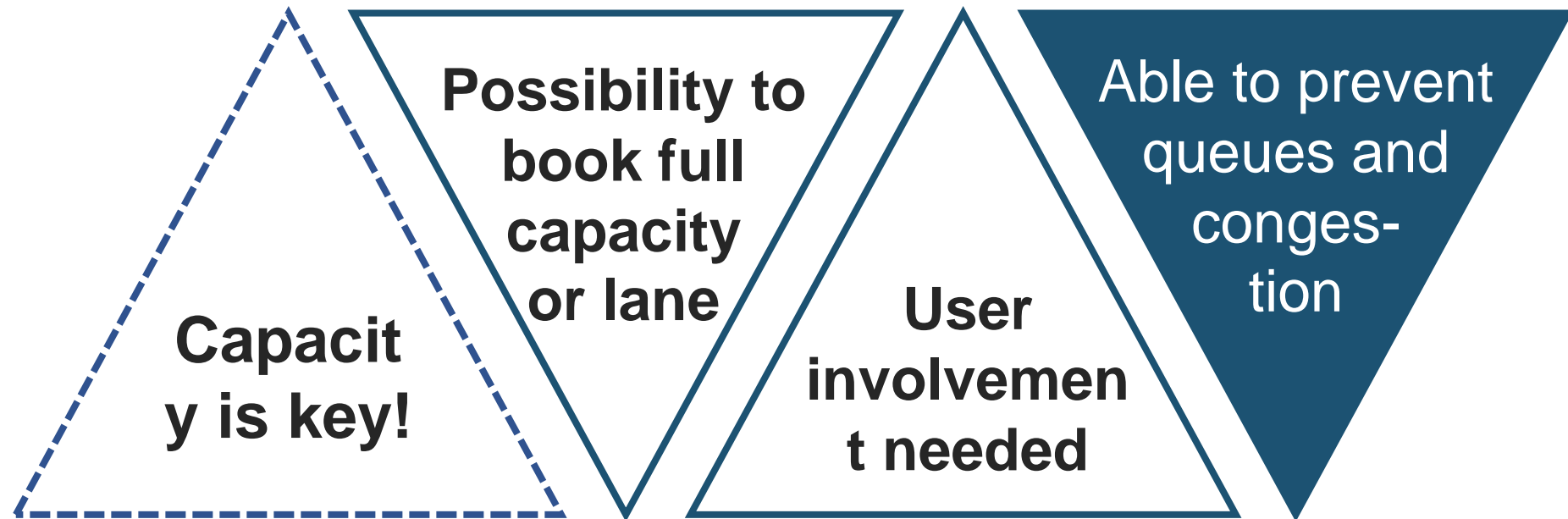
- Construction of new-, or expansion of existing roads only work for a very limited period of time and has a significant CO2 footprint
- Banning private traffic in the city center to avoid congestion, will only fuel the abandonment of local stores and economy already caused by ecommerce
- No room to give preferential treatment to EVs, car sharing /-pooling and autonomous cars as a way of encouraging smarter transportation
- Plenty of capacity outside rush hour ~20 hours pr. day, seven days a week

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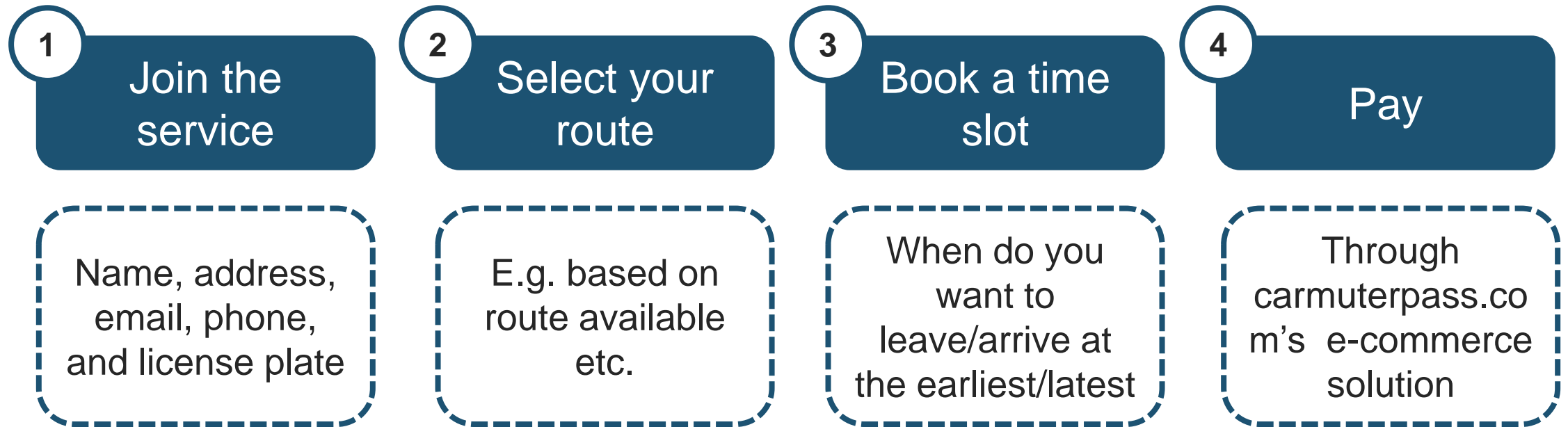


Eliminating traffic congestion through digitalization:
[Carmutepass.com](https://www.carmutepass.com)

Unlocking congestion

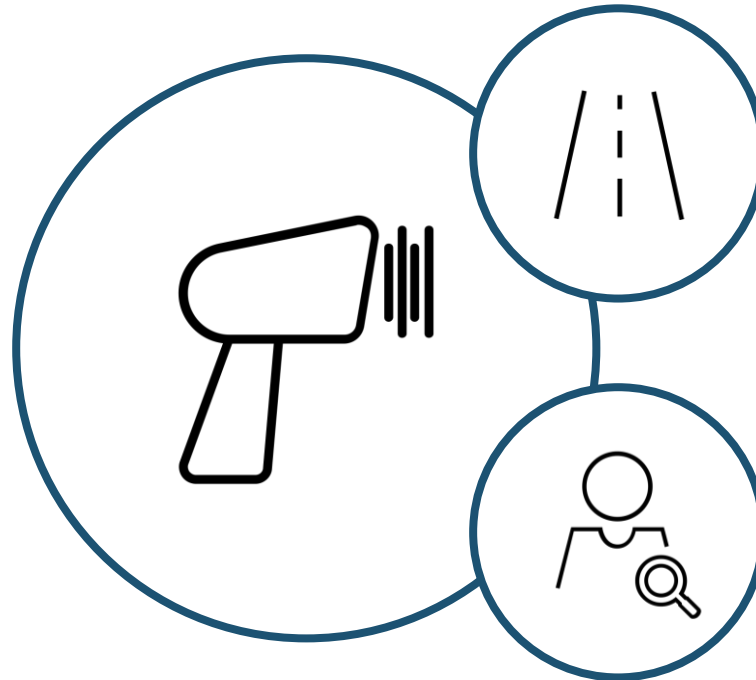


How it works: Use carmuterpass.com app and a smart phone



How it works

License plate
scanners on the
route



Possible to scan all
vehicles in pre-paid
lanes

Checked against
Vehicle Register Files
and subscribers to the
solution

Able to fine violators
through VRF

Benefits of carmuterpass.com

- Knowing what the full capacity is, it is possible to ensure that no more cars are let onto the same route than what it have capacity for
= no more queues
- As capacity is maximized, more cars can pass through pain points in the same time, but with less congestion
= smoother traffic
- Implementing this solution costs less than constructing one mile of new highway AND has a much smaller CO2 footprint than road construction
= smarter road management and smarter cities

Advantages for commuters & operators

Commuters

- Booking in advance
- Avoiding congestion
- Having transparency of commuting schedule
- Highly improved quality of life

Proactive Capacity Management System

- Maximizing capacity
- Access to absolute data
- Proactively avoiding congestion
- System includes option for both car sharing and car pooling