

ISA in the TfL's vehicle support fleet and Buses

ETSC
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Safety and speed on Buses and our Fleet

VISION ZERO

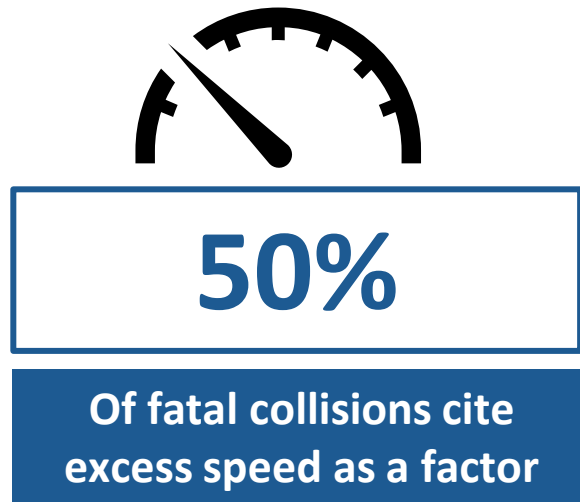


‘We will retrofit mandatory Intelligent Speed Assistance systems to 360 vehicles in our own fleet by the end of 2021/22, mandate it in all new buses and retrofit to a further 3000 buses



‘We urgently need to deliver a transformational improvement to bus journey times in order to provide a bus service that Londoners will choose to use.’

Tackling excess speed in London



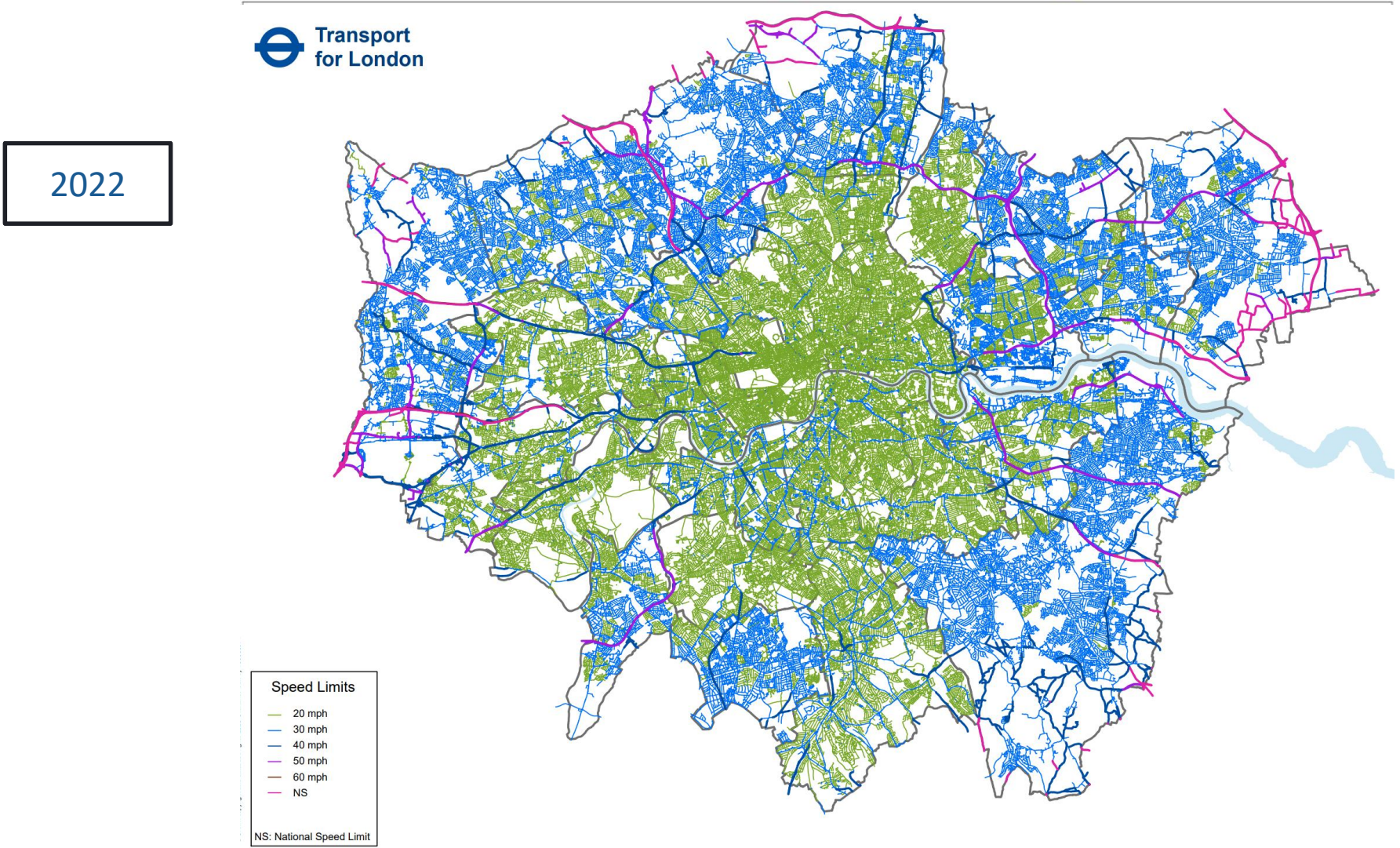
Excess speed as a factor in 2022

- in London over two people per day are killed or seriously injured in collisions where speed is a contributory factor
- A person is five times more likely to be fatally injured if hit at 30mph than at 20mph

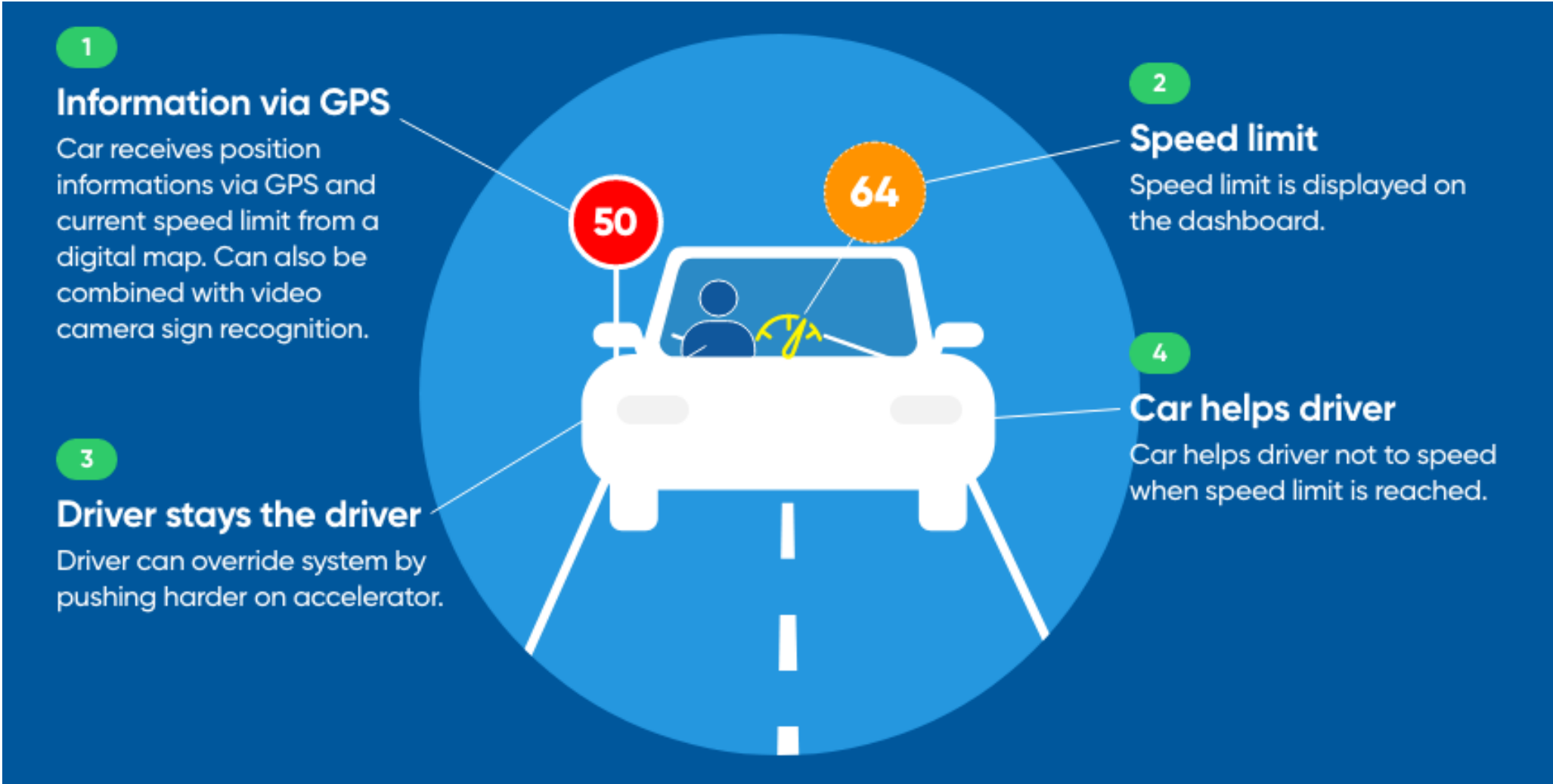


We have a wide range of activity underway to tackle excess speeds in London but new, complimentary methods of speed enforcement like ISA are needed

London's changing speed limits



What is ISA and how does it work?



ISA on our Operational Support fleet

Our operational support fleet

- 900 vehicles (cars, vans and HGVs) which are used to support our operations and maintain the transport network
- Reducing speeding is essential to protecting our staff and the general public
- We started retrofitting speed limiting technology to our fleet in 2021



ISA retrofit project aimed to manage safe speeds in our fleet but also to demonstrate the significant potential of this technology, not just for our own fleet of vehicles but for London more widely

Findings from our retrofit ISA project

-62%
reduction in
speeding



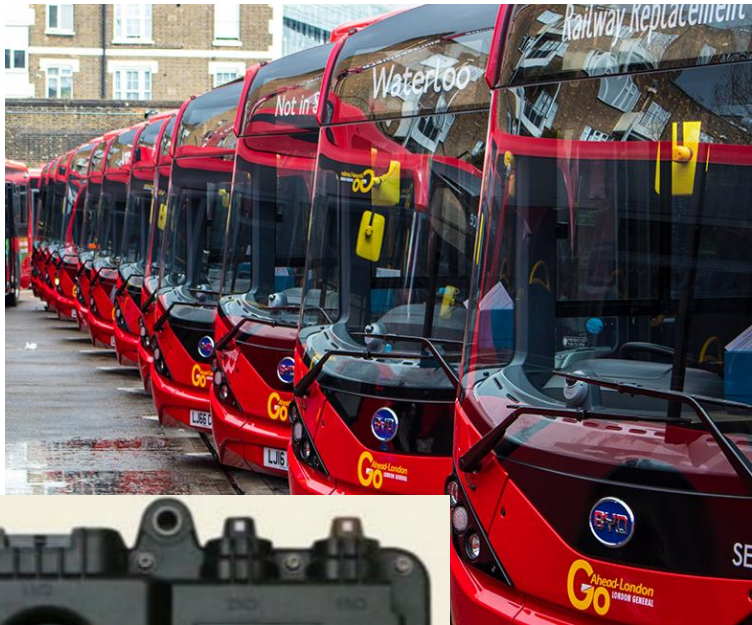
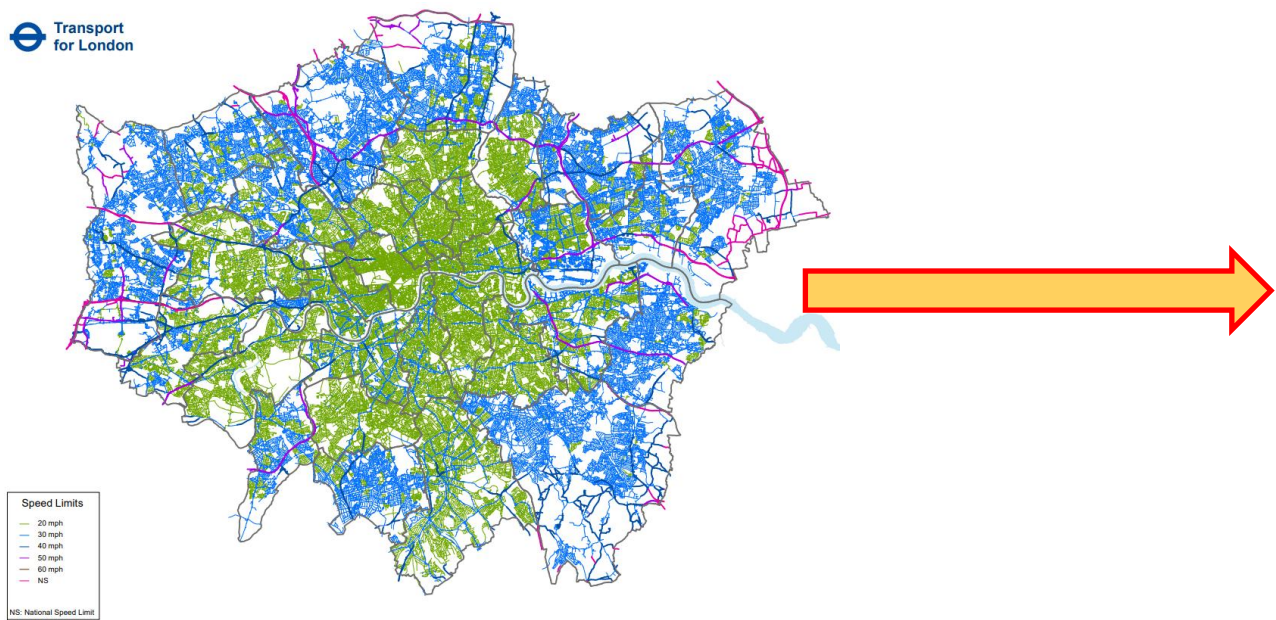
- No increase in the number of harsh braking, harsh cornering, or harsh acceleration incidents
- The average distance travelled and average journey time taken for each trip was largely unaffected by the fitment of ISA

ISA on our Buses

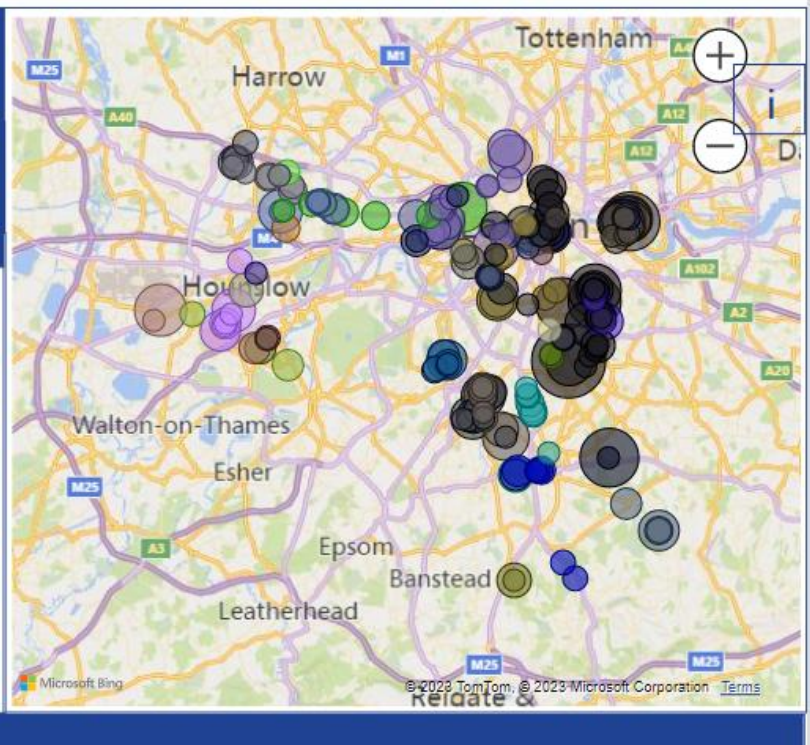
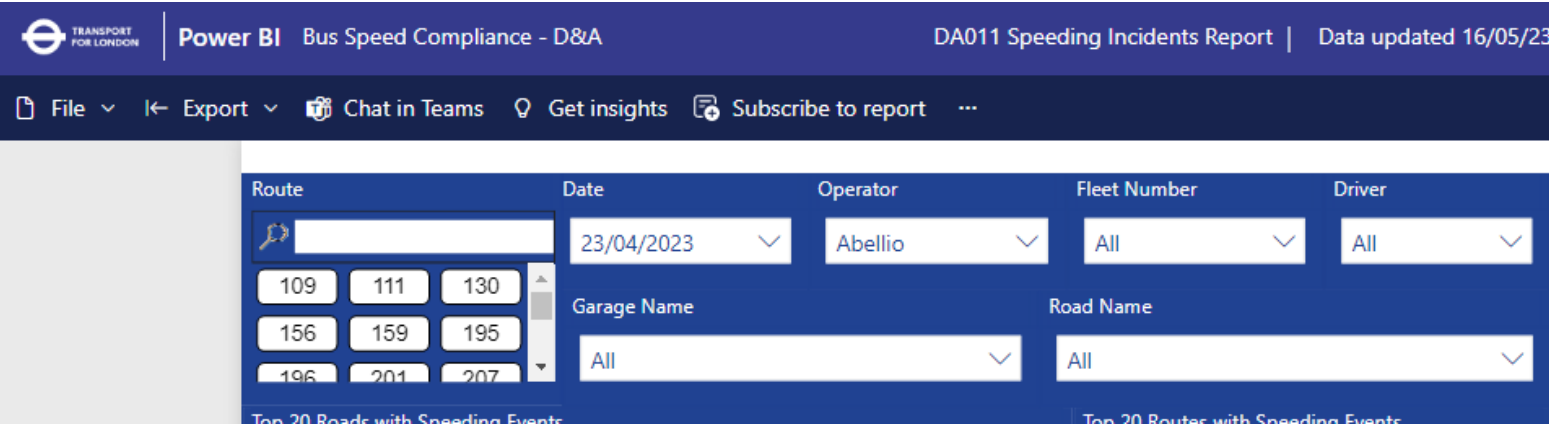


The speed
of this bus
is restricted
to the
local limit

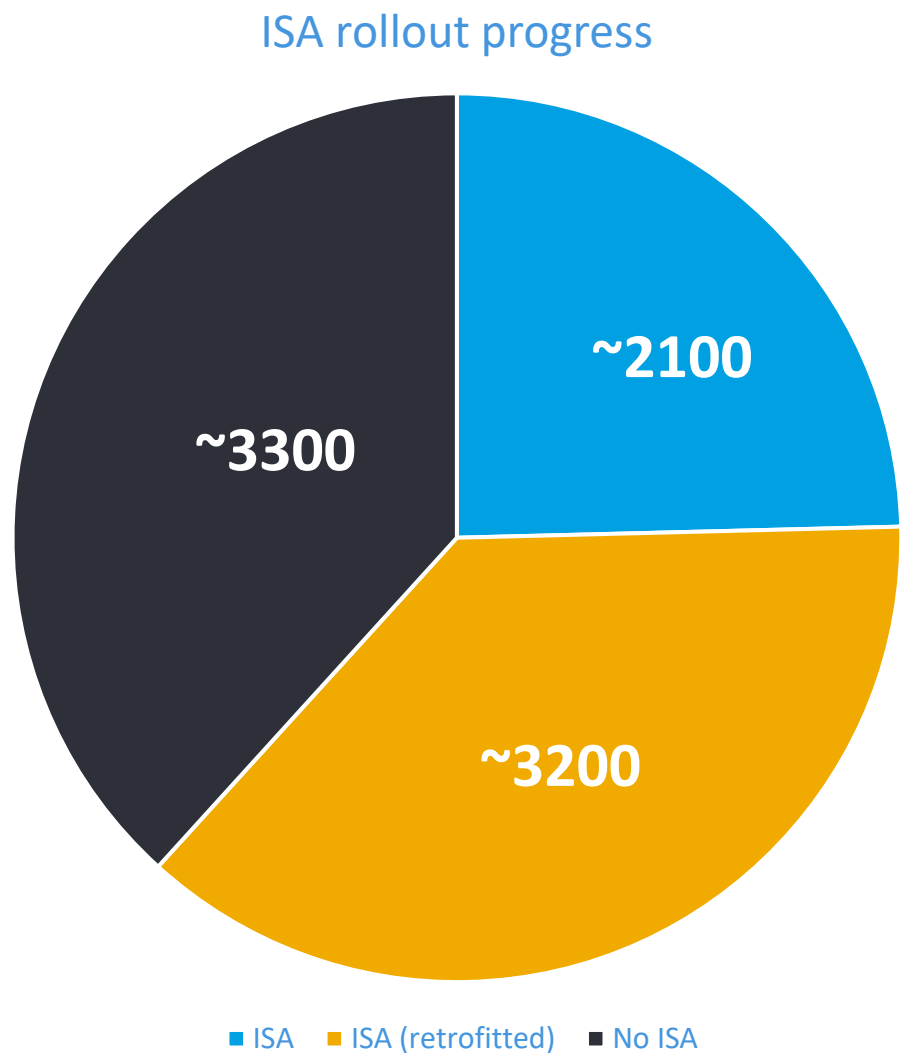
ISA on our Buses



We built a speed compliance tool in house to identify hotspots



Findings from ISA on our Buses



Up to
95%

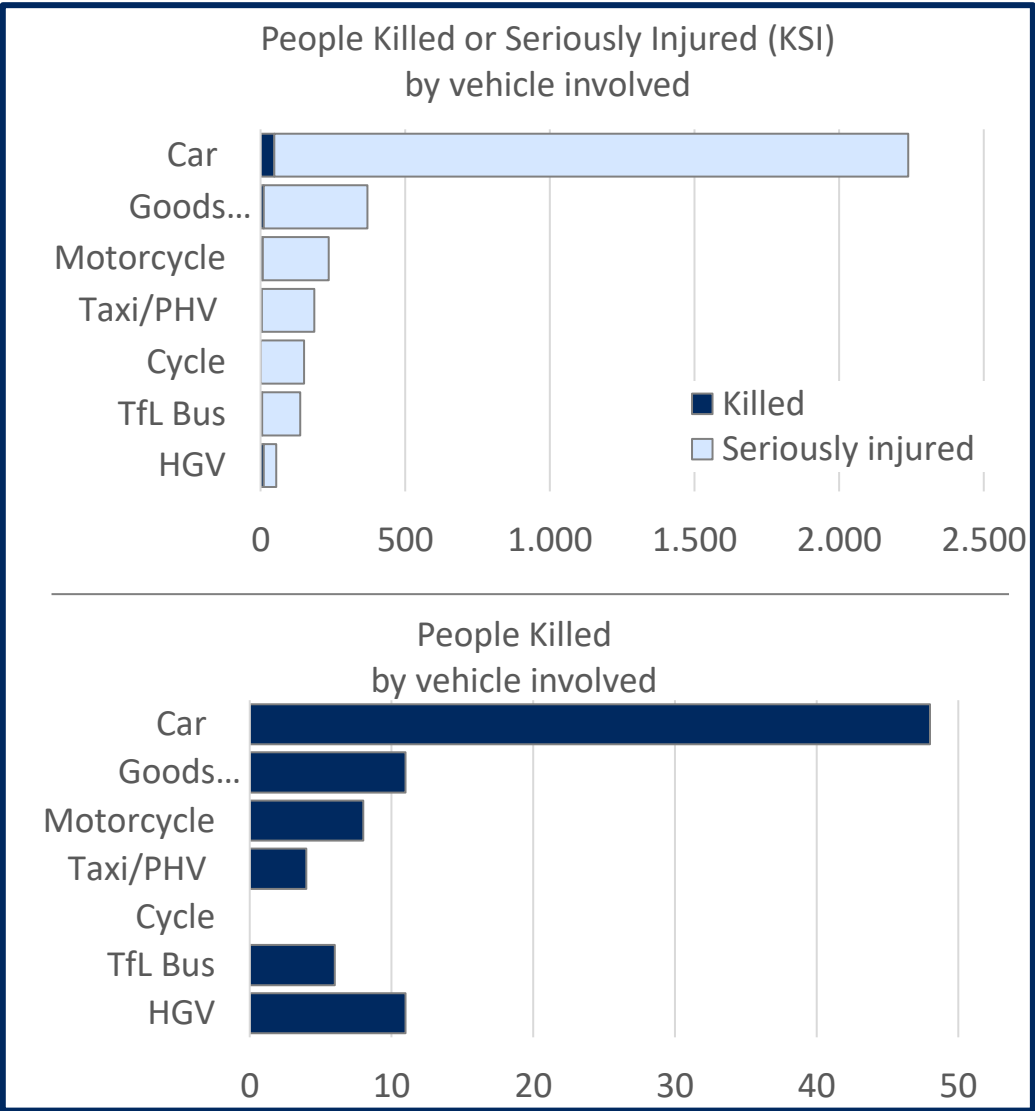
Reduction in excess speed incidents on vehicles with ISA

25%

Reduction in total network excess speed incidents (all vehicles), 2024-2025

ISA will be most effective when it is widely adopted

- Value of this is not that Public Transport operators can implement this, it needs to be in all vehicles
- Preference for active ISA
- Automated vehicles are safer than cars because they don't speed



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