





Future trends

Carl Johan Almqvist
Volvo Trucks

Volvo Trucks. Driving Progress



**More people,
growing cities**



Volvo Trucks. Driving Progress



Doing more with less



Volvo Trucks. Driving Progress



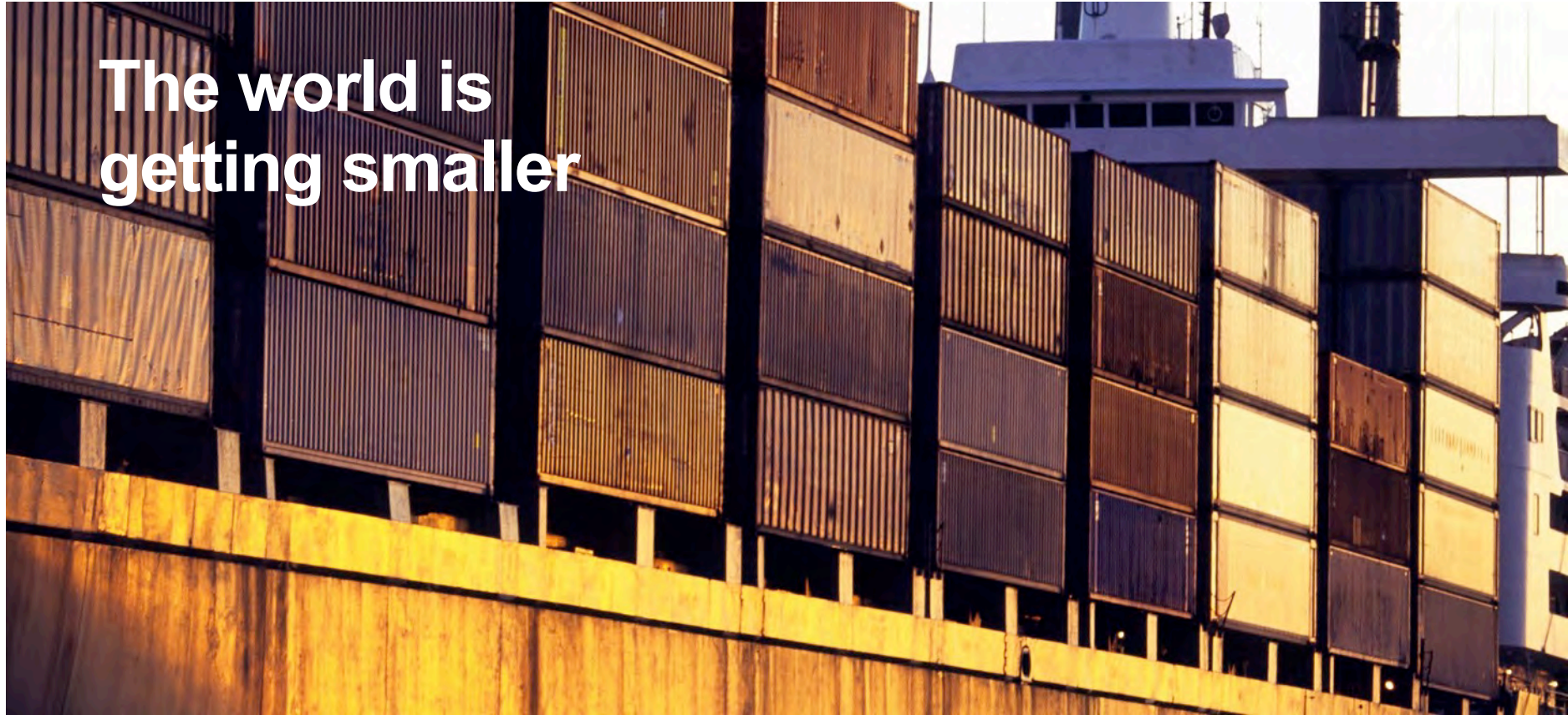
Changing behaviour



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The world is
getting smaller



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New ways to connect

Volvo Trucks. Driving Progress



**Transportation needs
will rise dramatically**



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**Safe
Efficient
Flexible**

Volvo Trucks. Driving Progress





2030

Volvo Trucks. Driving Progress



An aerial photograph of a modern cable-stayed bridge with multiple tall concrete piers. A platoon of three white Volvo trucks is driving in a single file on the bridge's roadway. The trucks are closely spaced, illustrating the concept of platooning. The bridge's white cables create a strong geometric pattern against the sky. The surrounding landscape is green and hilly.

**Platooning
– a key milestone
in self-driving
technology**

Volvo Trucks. Driving Progress







Next step

- Research and demonstration
- Legislation
- Harmonization

**THIS
TRUCK
IS THE
LEADER**



**In 2030
Trucks will communicate with
everything in their surroundings**



**Connectivity will
eliminate accidents**

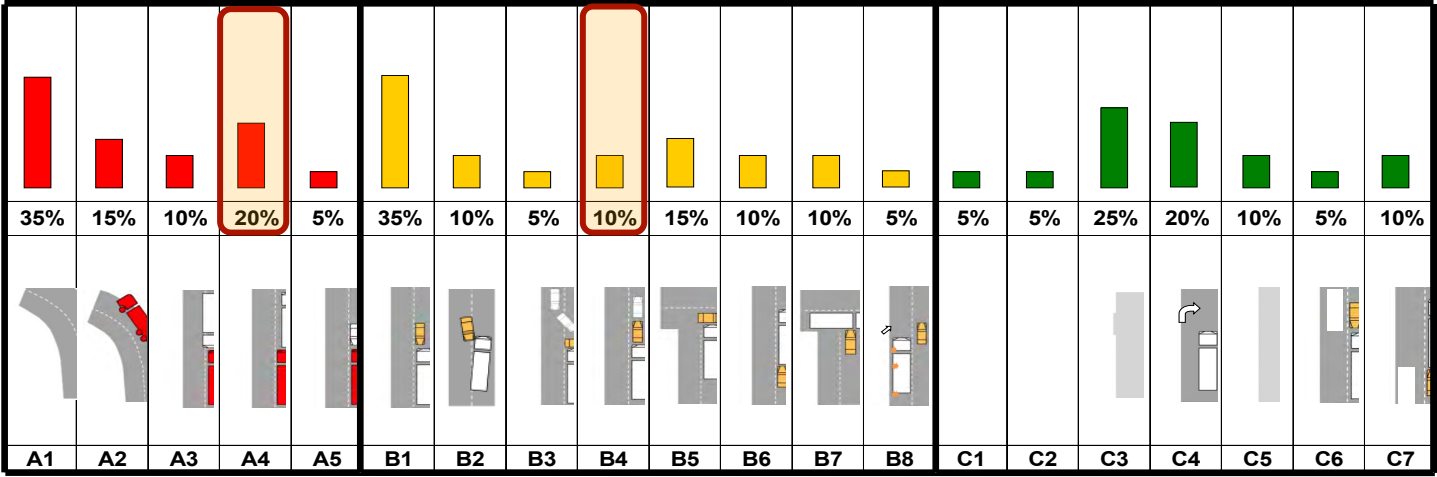


Volvo Trucks. Driving Progress



Future major step

C- ITS- extended time horizon



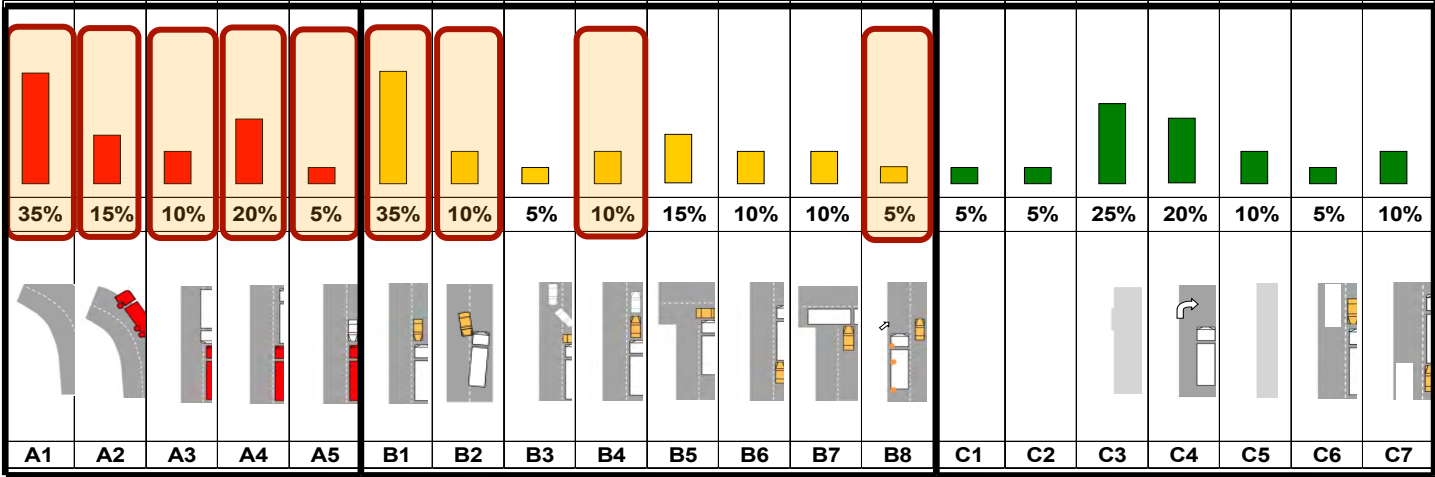
Future major step

C- ITS- extended time horizon



Volvo Active Safety Systems

Most focus on- road driving



1. ESC stability



2. LKS keep in lane



3. LCS lane change

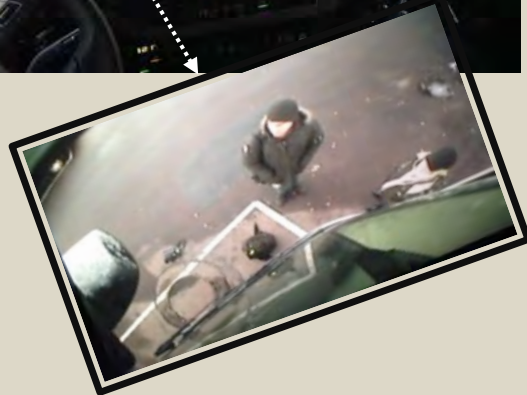


4. CW-EB rear end

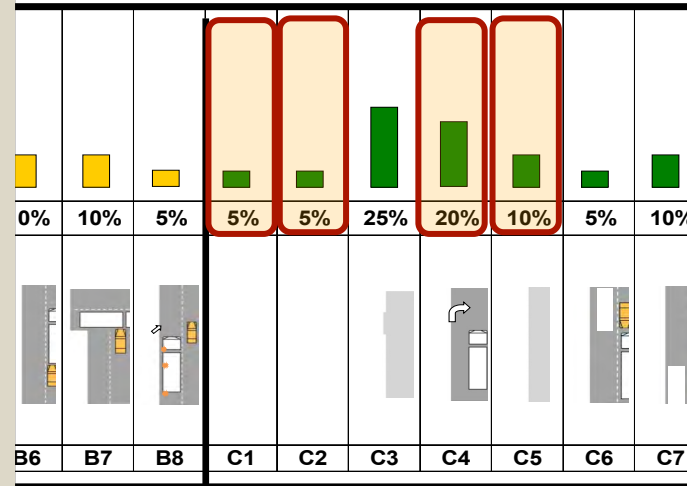


Volvo Active Safety Systems

City and low speed- improved close up visibility



Single cameras
 - front & corner view
 - rear view



5. Camera low speed

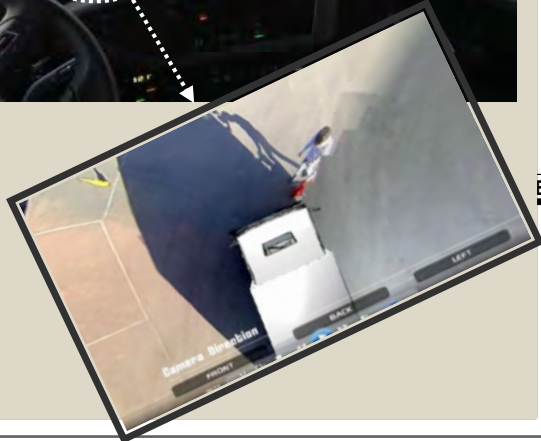


Source: TfL

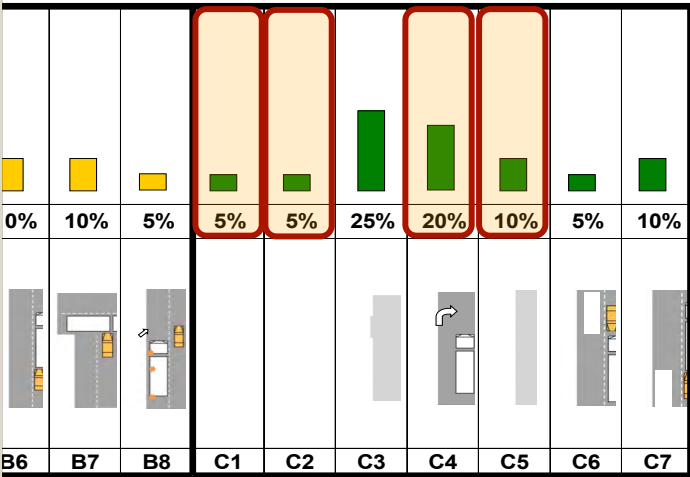


Volvo Active Safety Systems

City and low speed- improved close up visibility



Stitched cameras
- front & sides view
- 270° or 360°



5. Camera low speed

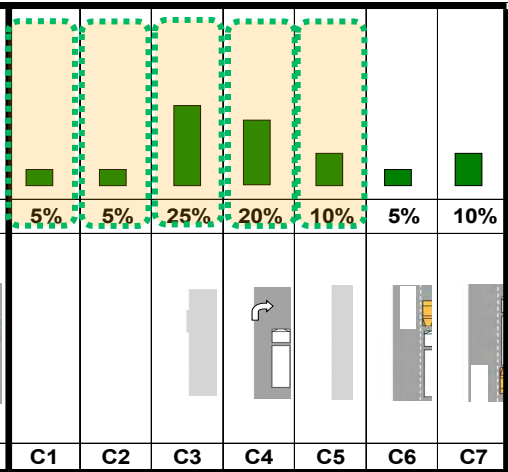


Source: TfL



Future major step

Vulnerable Road Users and Low Speed Maneuvering

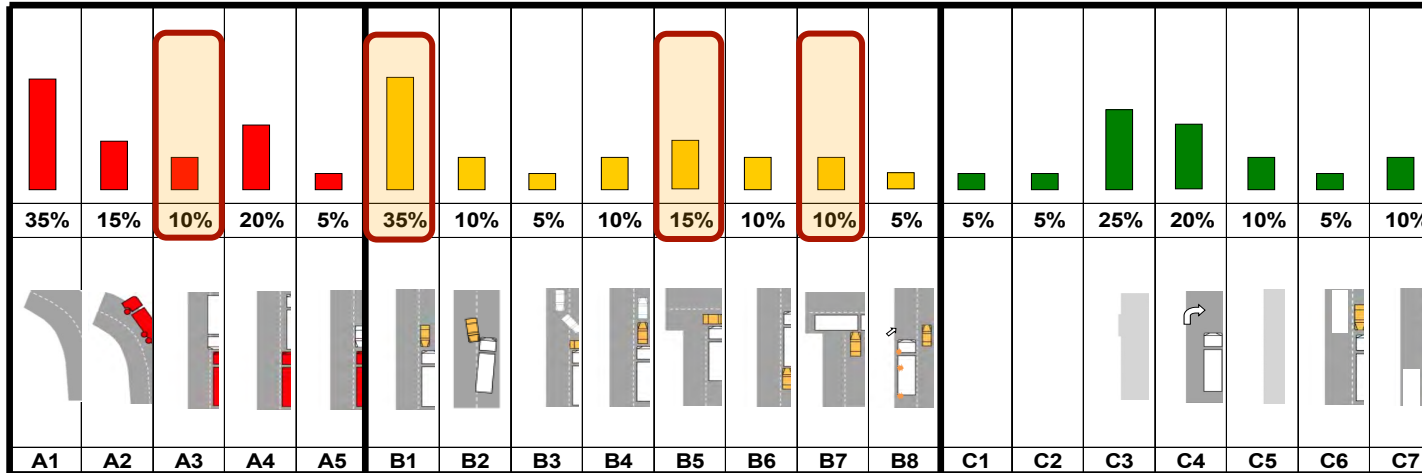


Vulnerable road users



Future major step

C- ITS- steps towards automation



On coming



Intersection



Our view on major steps towards zero

Seat belt reminders
Seat belt usage



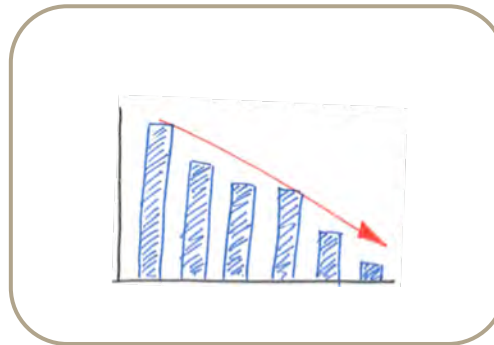
EVSC
AEBS
LDWS



Camera systems



Vehicle & equipment
for right purpose



Low speed detection,
warning and braking



Dynamic steering
Enhanced lane keeping



C- ITS
Extended time horizon traffic ahead



Education



Co- operation!

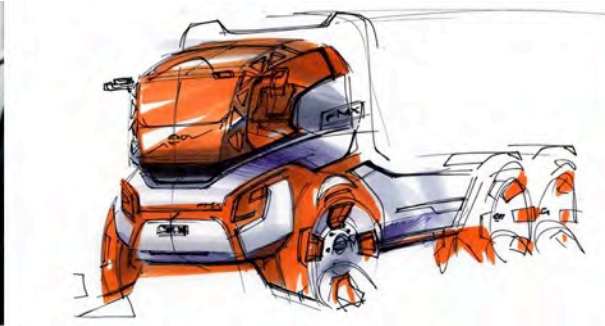


C- ITS
Electronic guard rail
Head on collisions



The future driver





Together we can go further



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Our history of innovation drives us into the future



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