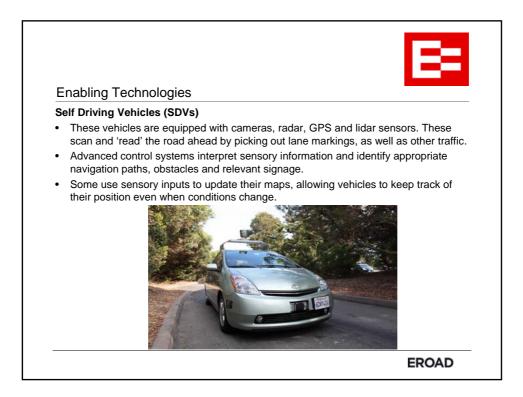
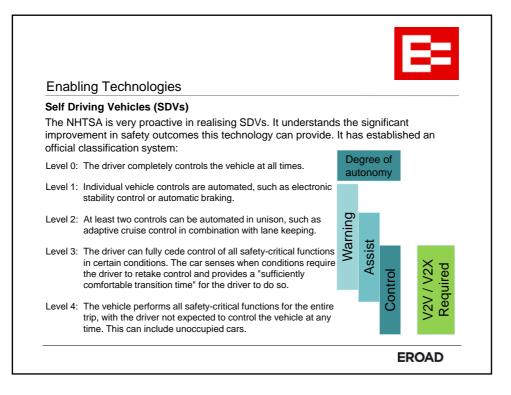
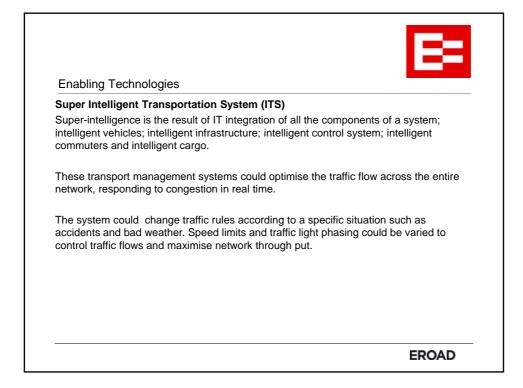


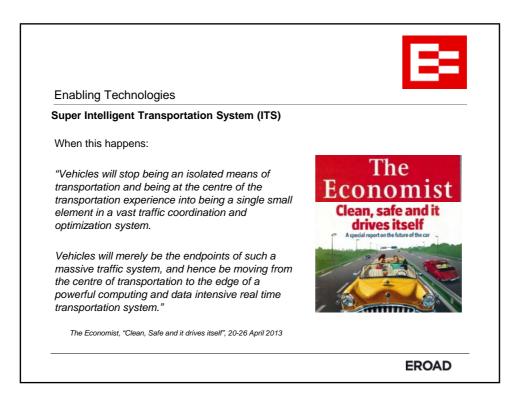
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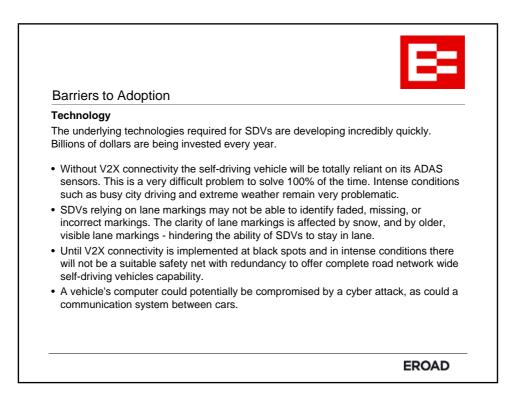


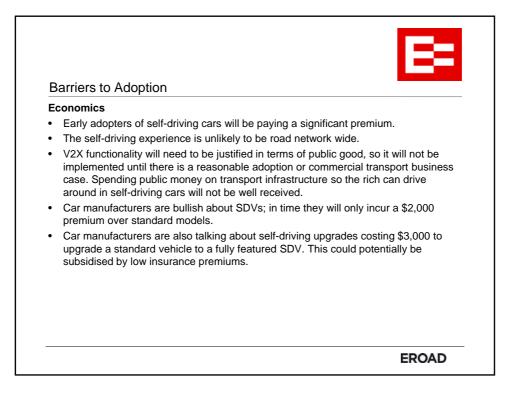


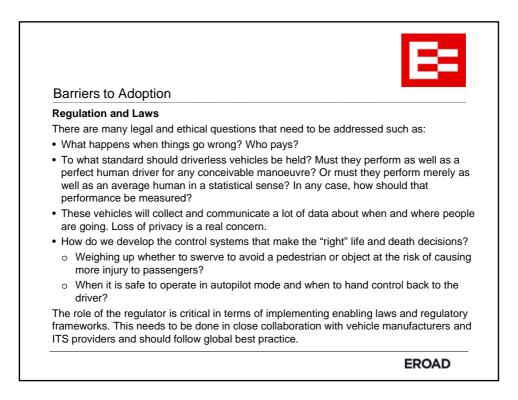


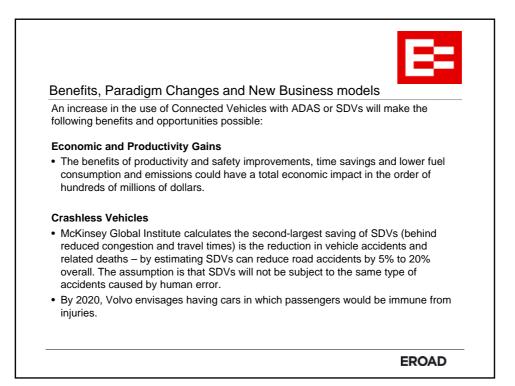


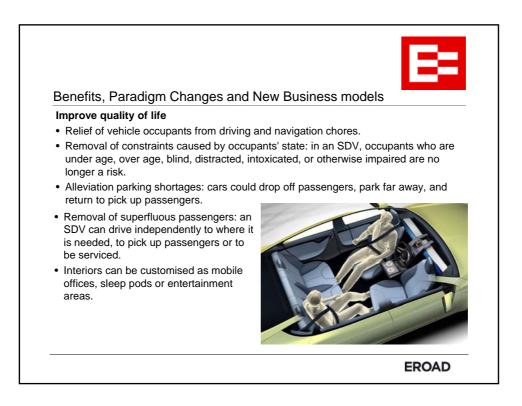


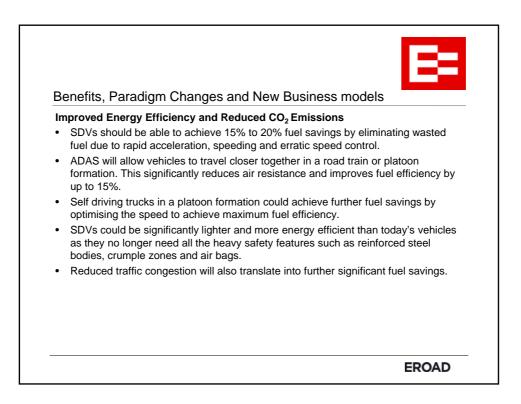




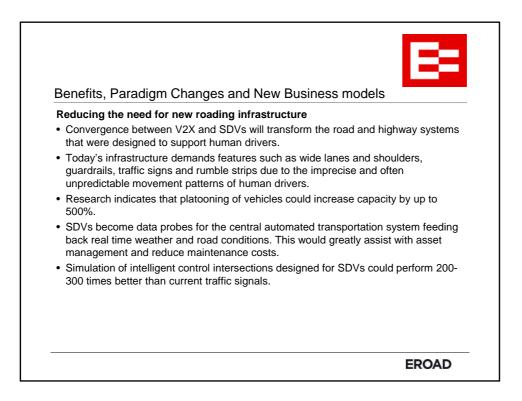


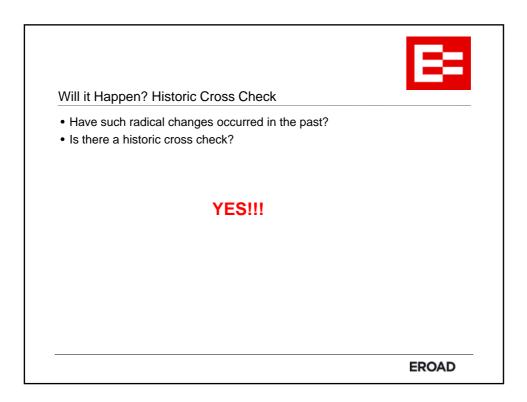






Be	enefits, Paradigm Changes and New Business models
Ne	ew Vehicle Ownership and usage models
•	SDVs will challenge the current vehicle ownership model and will blur the line between taxis and public transport.
•	In the US even during peak traffic, fewer than 15% of the vehicles are in use. The other 85% are not being used. The average private vehicle is used less than 2 hours per day.
•	If SDVs can drive themselves and can be booked when needed, there is no need to own the vehicle. Ownership is replaced with a service on demand.
•	At the same time vehicle sharing could have a significant impact on vehicle manufacturers as we require fewer vehicles.







## Will it Happen? Historic Cross Check

It is 1890. New York City is an economic power house after a century of growth. Like major cities of the time, its land transport is dominated by horses.

- Population and population density (US Census) 1800: 60,000 : 2,955/square mile 1900: 1,850,000 : 90,366/square mile
- New city dwellers generated increasing demand for goods and services that in turn increased demand on horses for both freight and urban transport.
- By 1853 New York omnibus public transport carried 120,000 passengers per day.
- By 1890, an average New Yorker was using a horse car 297 times a year.



New York City - 1888

• The population of horses in 1880 for New York and Brooklyn was 150,000-170,000, or 4,000 horses per square mile. This translated into a million kilograms of manure and 150,000 litres of urine being deposited on streets and in stables each day.

EROAD

