



## Fact Sheet: The Way You Drive Will Be Completely Different

In the next five years, the stress, strain and smog associated with our daily commutes and road trips will be completely different.

While there is more technology embedded in our planes, trains and automobiles than ever before, a coming wave of connectivity between cars and the road is going to change the way you drive forever, help keep you safe and even keep you out of that traffic jam. Imagine your car being able to avoid collisions by sensing other cars, before you see them coming. Smart technology is poised to keep traffic moving, cut pollution, curb accidents, and make it easier for you to get from point A to B, without the stress.

- **The Cure for Congested Roads:** The cities you live in will find a cure for congestion using intelligent traffic systems that can make real-time adjustments to traffic lights and divert traffic to alternate routes with ease. Fewer traffic jams will result in cleaner air and safer roads. New sensor technologies, GPS and satellites will provide info to motorists on the best routes to avoid driving and parking during peak busy hours. Fewer traffic jams will result in cleaner air and safer roads. In fact, already in Stockholm, congestion pricing has reduced peak hour traffic by 20 percent and a predictive traffic system in Singapore is proving nearly 90 percent accurate, giving traffic authorities precise information on the best way to route traffic.
- **Driving By Your Personal Preferences:** In the future you could plug in a personal driving profile with rules like “take a route that is at most 5% slower if it reduces the risk of traffic blockage” or “pick a route that will minimize fuel consumption” and your car will follow your rules. This provides you with more choice and knowledge as you get from here to there.
- **Cars with reflexes:** Your car will have driver-assist technologies that will make it possible for automobiles to communicate with each other and with sensors along the road -- allowing them to behave as if they have 'reflexes' so they can take preventive actions under dangerous conditions. Your car will automatically avoid accidents before you see them coming and will tell you where traffic is jammed up and find you an alternative route to take.
- **Your always on traffic report:** The trains and buses you ride will send updates to your cell phone, letting you know the number of seats available, when the next train or bus will arrive, and how long it will take you to get from where you are to where you want to be, even suggesting alternate methods that may get you there faster. Using sensors, GPS technology and in-vehicle communications, an innovative transport system will send notifications of train and bus delays, or if an alternative route will be faster or more convenient. The same systems will allow schedulers to make real-time route corrections, making "bus bunching" a thing of the past.

The future of transportation is not about adding more roads, trains, buses or planes. It's about smart people using smart technologies to make transportation smoother, more streamlined and safer, for people and the environment.