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INTELLIGENT TRANSPORT SYSTEMS

Connecting tomorrow's vehicles

Future vehicle communication platforms should include state-of-the-art mobile and satellite communications for long-range connectivity, in addition to short range capabilities such as WiFi and Bluetooth, with the ability to switch between communications bearers using the cheapest and most effective communication method to keep the user connected for as long as possible.

Mobility as an economic Driver

Movement within a nation's borders, across borders and around the world is critical to a nation's prosperity. Anticipated revenue for the road sector alone is around $33bn worldwide per annum by 2020, with the transport industry becoming increasingly reliant on technology and communications including infrastructure, communication systems, in vehicle systems, service sector and personal devices and applications.

Coverage is essential

Terrestrial communications alone provide significant coverage by population but have significant gaps in coverage, availability and/or bandwidth.

Broadband connectivity via a combination of mobile and satellite is key to enabling full exploitation of the next generation of mobility services for transport - including intelligent cars/smart roads, trains, ships or planes - both manned and unmanned.

Intelligent Transport Systems need to be and will be expected to be available everywhere.

Satellite enables delivery of safety, business and security services for vehicles everywhere.