



## Application Scenario

### Vehicle Breakdown in a Remote Location (Telematics)

#### The Situation

Greg and his wife Jackie were on a family trip to visit the Hopi Indian Reservation in a sparsely populated region of northern Arizona. They rented a car in Las Vegas and began the six-hour drive taking a route southeast across Hoover Dam and onto Interstate 40 east to Flagstaff. After a stop for dinner and fuel in Flagstaff, the couple began the last two-hour leg of their trip north along Indian Route 2 toward the Hopi mesas and the motel. But along the route the car engine overheated when the radiator hose burst. Both had cell phones but they were out of the coverage area. It was nighttime and very few vehicles were on the road. Fortunately, after more than an hour, a Navajo couple stopped and picked them up and took them to a local trading post where they made a pay phone call for a tow truck. Greg and Jackie spent most of the night alone at the closed store waiting for the tow truck to take them and the car back to Flagstaff. Their trip to Hopi was cancelled, they lost the money spent for reservations at the Hopi motel, and they incurred unexpected expenses to get back to Las Vegas.



SkyTerra will have a solution for a breakdown in the middle of nowhere

#### The Solution

An integrated satellite-terrestrial communications network, currently being developed by SkyTerra Communications, will provide ubiquitous wireless broadband services, including telematics, remote monitoring, and distress signal communications, throughout North America. By embedding SkyTerra chipsets into vehicles' onboard communications system, drivers will be able to be in communication anywhere, anytime. Such potential advantages include vastly expanded and improved communications coverage, mapping capability, distress signaling, engine diagnostics, and low-cost chipset availability. These features will all be possible through SkyTerra's new hybrid service. With SkyTerra's next generation services, the stranded travelers will have coverage to call for help, contact businesses to make immediate arrangements and changes in trip itineraries, as well as contact family and friends.

#### SkyTerra Overview

SkyTerra is developing its hybrid satellite-terrestrial communications network, based on SkyTerra's patented ancillary terrestrial component (ATC) technology. The company expects its next-generation network will provide seamless, transparent and ubiquitous wireless coverage of the United States and Canada to conventional handsets. SkyTerra plans to launch two of the most powerful commercial satellites ever built. These satellites will provide a platform for interoperable, user-friendly and feature-rich voice and high-speed data services. SkyTerra's network will enable communications in a variety of industry segments including public safety, homeland security, aviation, transportation and entertainment.

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