



# itek

## Cohda Wireless

Cohda's vision is to be the leading developer of Safe Vehicle and Connected Vehicle design solutions and services for public safety, outdoor, and automotive wireless-based systems. Cohda is applying and expanding its existing intellectual assets, significant patent portfolio and in-house skills through the development of high-performance wireless designs on highly integrated, low cost, semiconductor chipsets.

### *Innovation*

Utilising advanced signals processing techniques developed within the University of South Australia's Institute for Telecommunications Research (ITR), Cohda Wireless offers a 'receive side' technology that allows standard WiFi subsystems to perform exceptionally well in broadband communications to, or between, moving vehicles. Its technology allows it to be an enabler of robust broadband wireless communications in harsh radio environments. With 22 patent-pending inventions, Cohda Wireless has now developed a prominent position in the supply of broadband vehicle-to-vehicle and vehicle-to-infrastructure wireless communications.

### *Opportunity*

The wireless communications equipment market for public transport and safety agencies is most likely to realize the full cost, bandwidth and mobility benefits provided by the Cohda Wireless solution. The combined global value of these markets is estimated at US\$2B.

### *Commercial Achievements*

Cohda Wireless has already delivered early success, securing significant revenues within the public safety market, via a strategic agreement with a key international player. Following on from this Cohda Wireless has been highly successful with numerous global demonstrations of its technology to automotive suppliers, OEMs and chipset manufacturers working in the automotive Dedicated Short Range Communications (DSRC) market. This market covers the Safe Vehicle and Connected Vehicle domains as well as a far broader vehicle to transport infrastructure segment.

success stories

