Motorcycles are Hard to See
A large portion of drivers involved in an accident with a motorcycle claimed that they did not see the motorcycle coming at all. Motorcycles’ small size, combined with their high speed and maneuverability, make their identification and path prediction extremely challenging, and therefore increase their vulnerability. According to NHTSA, motorcycle rider deaths are nearly 27 times higher than drivers of other vehicles. The number of motorcycle fatalities is around 5,000 people per year. 1/3 of motorcycle accidents occurred when the motorcycle was hidden.

Present-day sensor technology is unreliable when it comes to motorcycle detection, and 1/3 of motorcylces can’t be seen at all, as they are obstructed. DSRC-based V2X can decrease a major portion of those accidents as well. Autotalks’ V2X solution can operate independently or as complementary to other sensor technologies. Autotalks’ technology is widely recognized as the leading communication and security performance solution that can help drivers prevent car and motorcycle accidents. Autotalks joined the Connected Motorcycle Consortium to help realize the vision of a uniform motorcycle platform for V2M (Vehicle-to-Motorcycle) communication.
**Easiest Integration**

Autotalks’ V2X solution offers the easiest mechanical, software and electrical integration. It has the smallest form factor, highest range of operating temperature and simplest thermal design. Antenna flexibility is important for supporting various motorcycles types. CRATON2 flexibility allows simple connectivity to vehicle bus or to connectivity like Bluetooth for HMI integration. While the ECU location may differ from motorcycle to motorcycle, the ability to withstand strong vibration is critical and is achieved by a small footprint, automotive qualified chipset.

**High Level Functionality**

Autotalks offers flexibility in the content of V2X applications. Some solutions will just transmit the location of motorcycles to warn the drivers, known as "Here-I-am" modules. Some solutions may run a full safety application suite, alerting the motorcycles from dangers. Both can be supported with Autotalks smallest size solution at a cost-optimized price.

**Aftermarket**

Autotalks V2M solution is a cost effective, easy to install V2X chipset designed for high mobility and with a single/dual antenna support. The concept behind Autotalks solution is simple: affordable, easy to install V2X for motorcycles in order to have a greater impact on reducing road accidents. This is a true solution that will accelerate V2X integration among all road users.