Tipper trucks (or dump trucks) provide critical assistance to industries as varied as building and road construction, mining, and recycling and waste management. In fact, more than 95% of all worldwide professional construction companies have at least one in their fleet. But even an industry that's over 160 years old faces the same challenges to improve and perform as any other.

Tipper trucks are valuable assets; every minute a tipper truck spends in a service bay is a minute that work stops elsewhere. However, keeping these large vehicles fully functional is simpler said than done.

Even though tipper mechanisms are highly ruggedized and built for punishment, they are very complex machines with over one thousand parts. Diagnostics are available on the trucks but are located on many separate systems throughout the vehicle superstructure; their unintuitive displays require dedicated training and specialized service equipment. For technicians this makes reading, interpreting, and diagnosing problems difficult—for drivers, it’s nearly impossible.

To allow trucks to reach their maximum utility, tipper market innovator MEILLER turned to KDAB. The primary challenge was to allow drivers to diagnose and solve many common, fixable issues themselves without having to take their trucks in for service. KDAB and MEILLER
Cutting down the time that vehicles are in service improves customer productivity and positions MEILLER as an industry innovator.

About the KDAB Group
The KDAB Group is the world’s leading software consultancy for architecture, development and design of Qt, C++ and OpenGL applications across desktop, embedded and mobile platforms. KDAB is the biggest independent contributor to Qt. Our experts build run-times, mix native and web technologies, and solve full stack performance issues and porting problems for hundreds of customers, many among the Fortune 500. KDAB’s tools and extensive experience in creating, debugging, profiling and porting complex applications help developers worldwide to deliver successful projects. KDAB’s trainers, all full-time developers, provide market leading, hands-on, training for Qt, OpenGL and modern C++ in multiple languages. Founded in 1999, KDAB has offices throughout North America, Europe, and Asia.