Real-time Vehicle Data Processing for Enhancing Driving Behavior

Challenge

Historically, driver performance data was captured but wasn't presented in an immediately useful or actionable manner. By implementing real-time driver data from the vehicle, such as braking and acceleration data, the safety of the driver can be enhanced while reducing the CO_2 footprint of the driver. However, the end product often doesn't align with the vision due to inefficiencies in programming, poor system integration, and poor scalability.

Solution

Using VDart Digital's depth of knowledge in system integration and scalability, we partnered with a Global OEM to renew the integration process. Through our robust system integration with vehicle hardware and cloud technology, we were able to bring forth a scalable product that efficiently collects relevant user data and process it in real-time. Not only is the data presented to the driver in a responsive and educational fashion, but the real-time streaming of data opens the door to OEMs to create new revenue streams by monetizing the data.

Results

- Extended the vehicles life and increased driver's experience by providing immediate and timely maintenance information

- Efficiently collects driver data and allows the OEM to monetize it

- Data analytics now allow for the creation of diverse, feature-rich apps using driver and vehicle performance data

- Driving habits create immediate and responsive notifications that allow the driver to maximize fuel efficiency and achieve optimal vehicle performance

Moving our future forward

VDart Digital provides cutting edge solutions for Global OEMs, Dealerships, and Fleet Owners. Building next generation experiences to support the growing needs in automotive industry

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