Vehicle Data Acquisition System

A vehicle data acquisition system collects information from different sensors installed in a car or truck.

These sensors measure parameters such as speed, fuel level, engine temperature, GPS location, and battery health.

The collected data helps engineers and fleet managers understand vehicle performance.

For example, by analyzing engine temperature data, they can predict overheating issues before they cause damage.

Modern vehicles often transmit this data wirelessly to a central server or cloud platform.

This allows real-time monitoring and predictive maintenance.

Benefits of vehicle data acquisition include:

- Improved safety

- Reduced maintenance costs

- Better fuel efficiency

- Enhanced driver behavior analysis