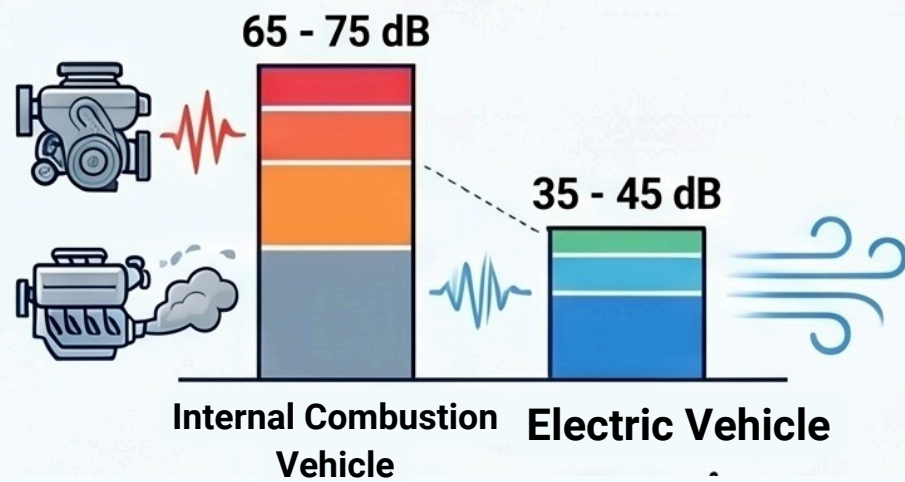
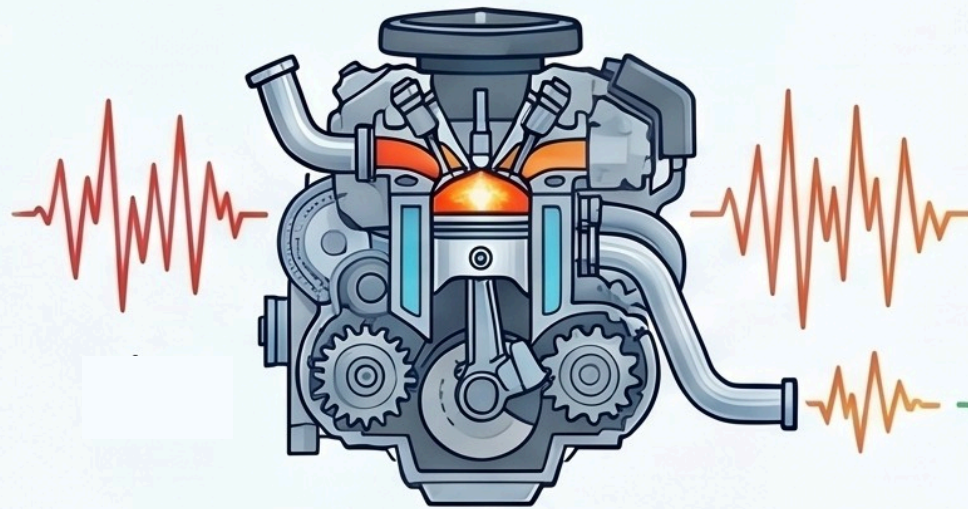


SILENT OPERATION OF ELECTRIC VEHICLES



MY SAFE ROAD COMPANION

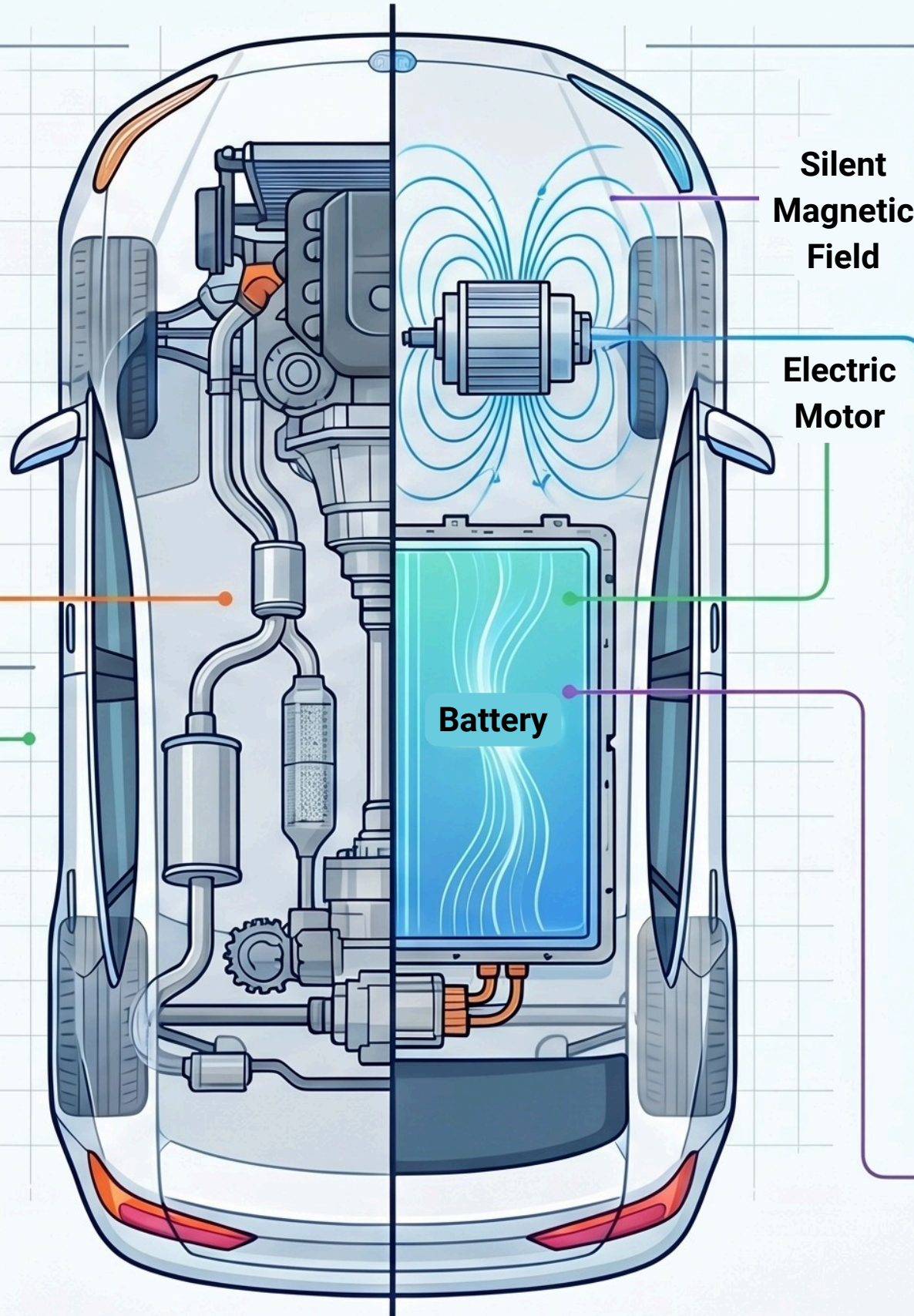
Mechanical Comparison and Sound Levels



Decibel Difference at Low Speeds (Urban, 0 to 30 km/h) While internal combustion vehicles produce 65 to 75 dB of sound in the city, electric vehicles are almost half as quiet at 35 to 45 dB.



Sounds Converge as Speed Increases: Above 50 km/h tire friction and wind noise become dominant, closing the gap.



Security Risks and AVAS Solution



Invisible Vehicle Risk

Pedestrians and cyclists may fail to notice the vehicle due to the lack of auditory warning and face the risk of a crash.



AVAS: Artificial Acoustic Warning

This system, which emits a futuristic sound outwards through speakers at low speeds, is a legal requirement.



Driver Misconceptions and Acceleration

The vehicle launching suddenly with high torque when drivers press the gas pedal without hearing an engine sound can lead to crashes.