Evolution of Honda Safety Technology Toward Zero Traffic Accident Fatalities

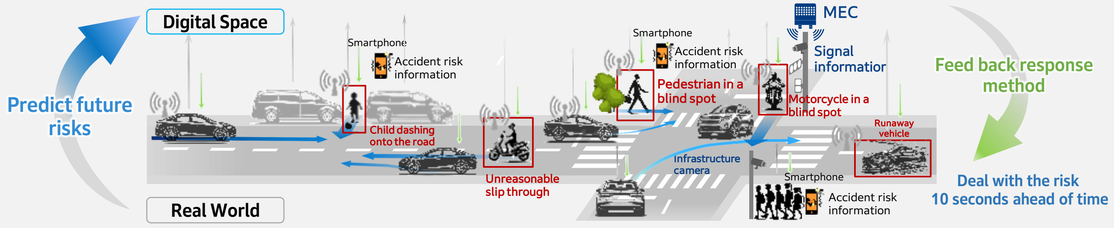
Safe and Sound Network Technology

Connect traffic participants through communication to encourage safe behavior for vulnerable people in traffic, including motorcycles, and aim for the realization of a traffic society where no one collides with anyone else.

Technology Details and Features

- The state and characteristics of each traffic participant are grasped to bring them together in a digital space through communication.
- Risk signs are captured comprehensively in the digital space, based on things such as the characteristics and states of each traffic participant.
- Traffic participants who appear to be at high risk are notified of response methods to avoid the risks in advance.

Accidents are avoided in advance through technology where the behaviors and states of all traffic participants are estimated and judged comprehensively to predict risk



Realization of a cooperative and safe society with every traffic participant working together

<Core Technology>

Understanding Human Characteristics

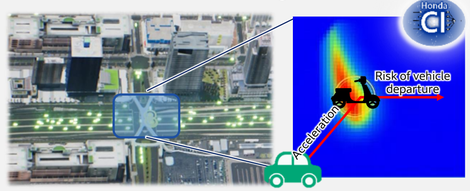
Estimations through vitals, conversations, etc.

Detects fatigue, stress, etc.

Integration risk estimation algorithm in consideration of human characteristics

Risk prediction 10 seconds in advance

Identifying comprehensive risk based on individual states and deriving workarounds



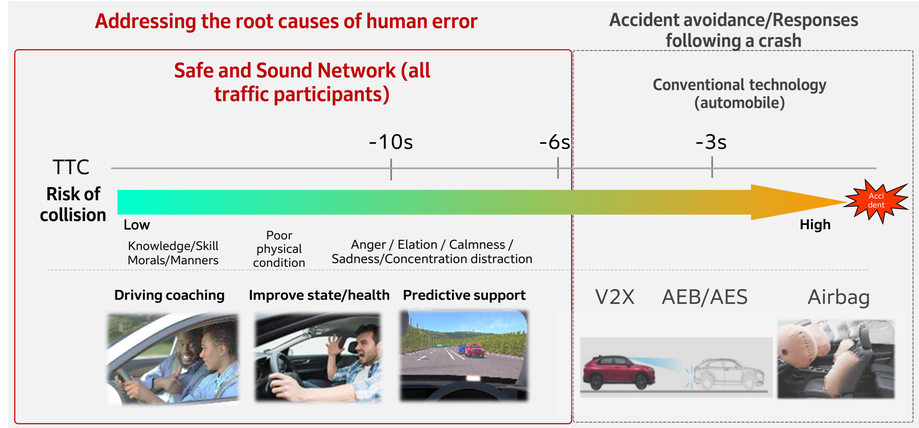
Synlogue based communication

Empathy through dialogue

Promoting the understanding of potential risks

The signs of risk from people are grasped to handle it before human error occurs

Concept



Examples of Public and Private Sector Collaborative Activity

- NEXCO Central (demonstration completed in FY2024)
  "Collaborative Road-Vehicle Communication Demonstration for the Autonomous Driving Era on Expressways"
- Cabinet Office (starting in FY2023)
  "Phase 3: Strategic Innovation Promotion Program (SIP) / Development of Smart Mobility Platform"

*Demonstration tests in cooperation with companies and organizations such as automobile/bicycle manufacturers and research institutes are scheduled for the Fall, FY2025 (Traffic Accident Preemptive Prevention R & D Consortium)

Promote the standardization of a collaborative platform through industry/public and private collaboration toward early-stage social implementation.

HONDA