



+ SAFETY + COMFORT

1. TRAFFIC SAFETY ANALYSIS

ROAD SAFETY DEPENDS ON TYPE OF COLLISION, OPPONENT VEHICLE, ROAD STRUCTURE, SIGNAGE, PAVEMENT, CYCLISTS' GENDER AND AGE, AND ENVIRONMENTAL FACTORS.



2. DEVELOPMENT OF AN IN-VEHICLE AND ON-BIKE SYSTEMS

ON VEHICLE: SIDE VIEW SENSORS FOR RIGHT TURN SUPPORT.
ON BIKE: ACTIVE TAGS FOR UWB LOCALIZATION SYSTEM AND AUDIO WARNINGS.



3. DEVELOPMENT OF AN INFRASTRUCTURE-BASED SYSTEM

PREDICTING CRITICAL SITUATIONS BETWEEN RIGHT-TURNING VEHICLES AND CROSSING CYCLISTS. GREEN WAVE REDUCES RISK OF RED LIGHT VIOLATION AND INCREASE COMFORT.

