Next-generation haptic platform for advanced driver-assistance and mitigation of car accidents

Informations projet

Tactronik

N° de convention de subvention: 868221

Site web du projet

Date de début: 1 Juin 2019
Date de fin: 30 Septembre 2019

Financé au titre de:
H2020-EU.3.
H2020-EU.2.3.
H2020-EU.2.1.

Budget total: € 71 429

Contribution de l’UE: € 50 000

Coordonné par: ACTRONIKA
France

Objectif

Driver distraction due to the use of mobile phones and other technologies is one of the main causes of road crashes, accounting for approximately 30% of road accidents, and causing about 21 deaths and 111 injuries per day on average only in Europe. The automotive and tech industries are pushing development and increasing adoption of Advanced Driver-Assistance Systems (ADAS) to enhance driver’s safety and to mitigate the consequence of distracted driving. Unfortunately, most ADAS are too slow in triggering the correct driver’s response to the impeding hazard, and often distract more the driver with annoying sounds or unpleasant and rudimentary effects. Moreover, they are currently very expensive and difficult to integrate in the vehicles, which makes them unsuitable for mainstream production.

Actronika has developed Tactronik, an advanced driver-assistance platform integrated into the seat of a vehicle that predicts impending hazards and intelligently alerts the driver to prevent accidents and increase driving safety. Tactronik connects seamlessly to the vehicle ADAS sensors and delivers appropriate attention-grabbing tactile sensations through advanced haptic technologies, thus eliciting fast and accurate driver responses to the impending hazard. Tactronik integration is “plug-and-play”, making it suitable for mainstream commercialization. During the feasibility assessment, a go-to-market strategy and a supply chain will be established, as well as further development plan will be drafted. During the innovation project, Actronika will optimize Tactronik
platform, validate its performance through in vehicle testing with automotive partners, and establish a partner ecosystem for Tactronik market entry.

**Champ scientifique**

/humanities/languages and literature/linguistics/phonetics

/ingénierie et technologie/génie électrique, génie électronique, génie de l'information/télécommunication/téléphone mobile

/social sciences/economics and business/business and management/commerce

**Programme(s)**

H2020-EU.3. - PRIORITY 'Societal challenges

H2020-EU.2.3. - INDUSTRIAL LEADERSHIP - Innovation In SMEs

H2020-EU.2.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies

**Thème(s)**

EIC-SMEInst-2018-2020 - SME instrument

**Appel à propositions**

H2020-SMEInst-2018-2020-1

[Voir d'autres projets de cet appel](#)

**Régime de financement**

SME-1 - SME instrument phase 1

** Coordinateur **

| ACTRONIKA |
|---|---|---|
| Adresse | Type d’activité | Contribution de l’UE |
| 68 Boulevard De Courcelles 75017 Paris France | Private for-profit entities (excluding Higher or Secondary Education Establishments) | € 50 000 |

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