



saferRide

Brace your next ride



PANGOLIN TEAM

SUMMARY

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I. Problem tackled

Your Safety is Our Primary Concern

Globally, 49% of deaths from traffic crashes occur among vulnerable road users, including motorcyclists. Approximately, a quarter of those killed are motorcyclists.

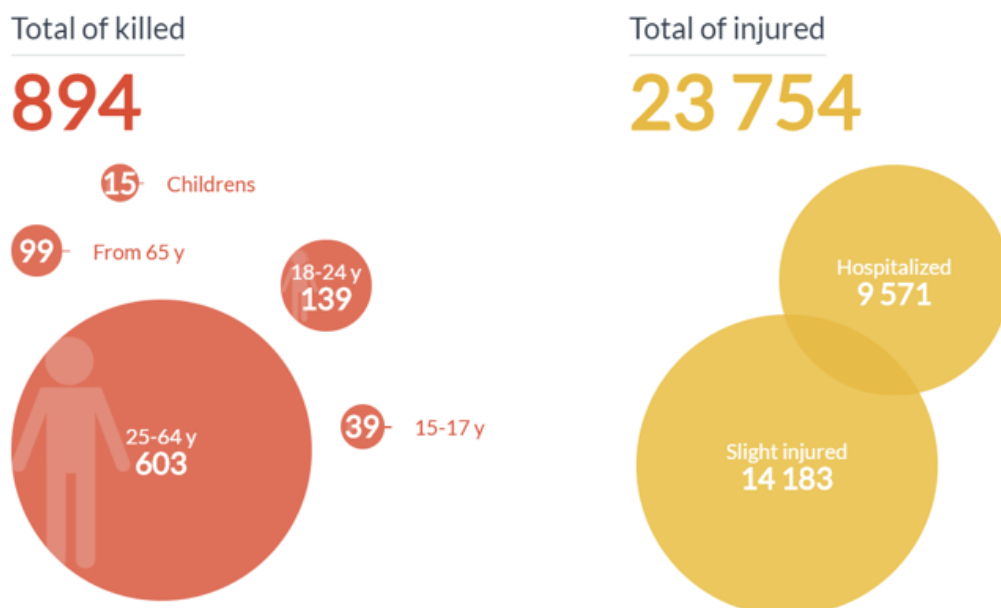


The use of helmets is effective, but the most time you spend waiting for emergency services the most chance you must face serious injuries.

How can we enhance the classic helmet?

In case of injury on rural roads, it is even more difficult to react and contact rescue services. Since you cannot always rely on others and their responsiveness, we aim to save your life by contacting automatically emergency services after a road accident.

Our goal is to eliminate the risks associated with waiting for help by automating the call using sensors placed inside the helmet.



II. Solutions already existing

Some connected helmet already exists today, but we didn't find any helmet like the one we think we will develop.

Some of these have GPS, vocal command, heads up display, to give some examples:

- Apple Watch & iPhone SOS functionality



- Quin: only sends your location to your family



- Jarvis X-AR: to get additional information on a head-up display using holographic technology



No one of these previous helmet call emergency services directly if it detects impact or accident and transmit localization thanks to GPS chip to help rescue services to arrive quickly and save time to save lives.

III. Description and Innovation

Our safeRide™ concept makes part of a new connected helmet generation.

We see it as the only full usable solution in all crash cases. In facts, our helmet will assure all the support and the emergency for you. Conscientious or uncontentious, it will be able to contact rescue services at the second it detects the impact.

Implemented by sensors, captors and a sim card, this helmet is at the cutting edge of technology.

Design, compact and ergonomic, the detector housing will be invisible and perfectly aesthetic.



The operation of safeRide™ rescue device is to inspect the strength of the shock using different sensors to avoid false alarm and immediately contact emergencies.

It does not require your phone if you are stuck or incapacitated to use it thanks to the incorporated card.

This project is an all case solution completely optimal that allowed the wearer to be take in charge in every situation.

With safeRide™, brace your next ride.

IV. Norms and Regulation

Our helmet needs to abide by the Department of Transportation's Motorcycle Helmets regulation for on-road use. Our add-on technology doesn't need to abide by these regulations if we use an already reglementary helmet.

V. Gantt Diagram

In order to be effective, we decided to organize ourselves as follows:

Nom de tâche	1-15 oct	15-31 oct	1-15 nov	15-30 nov	1-15 dec	15-31 dec
Brainstorming						
Research						
Order						
Development						
Test and details						
Presentation						



PANGOLIN TEAM

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