



Republic of Rwanda
Ministry of Infrastructure

MININFRA



Tuwurinde Motorcycle Helmet Project

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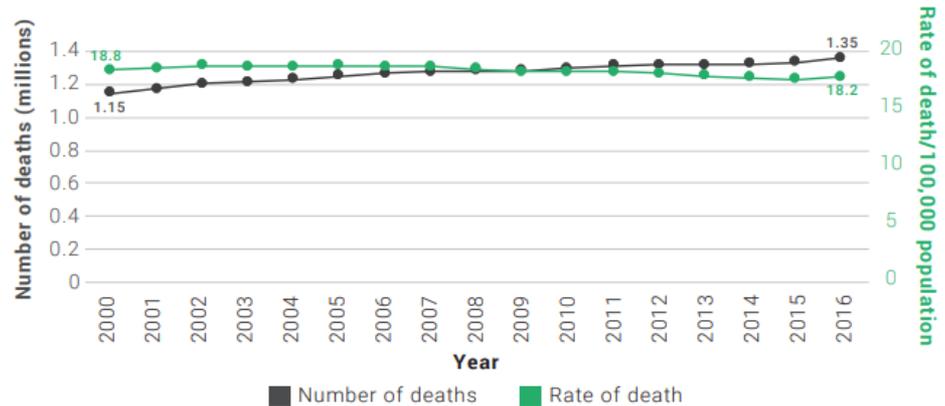
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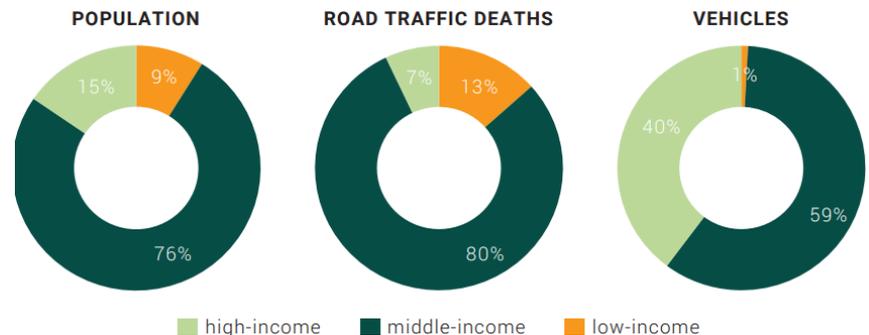
Introduction & rationale

- The number of deaths on the world's roads remains unacceptably high with 1.35million people dying each year
- The rate of road traffic deaths has remained fairly constant at around 18 deaths per 100,000 population over the last 15 years
- More than half of global road traffic deaths are amongst pedestrians, cyclists and motorcyclists who are still too often neglected in road traffic system design in many countries
- Despite progress made to reduce road traffic injuries, they are still the 8th leading cause of death for people of all ages.

Figure 1: Number and rate of road traffic death per 100,000 population: 2000–2016



Three times higher death rates is found in low-income countries than in high-income countries





Introduction & rationale cont'd

- Powered two-wheeler (Motorcycles) make up over half of the registered vehicle fleet in Rwanda
- They are involved in road deaths three times more often than any other vehicle
- A 2019 road safety report from RNP indicated occurrence of 184 fatalities from motorcycle accidents countrywide
- An estimated 60 per cent of fatalities from motorcycle accidents are caused by head injuries

The estimation of the passenger trips generated by the population of the City of Kigali

			Private car	Motorcycle	Bus
Pop. Million)	2017	(1.5	557.500	492.500	246.500
Pop. Million)	2020	(1.65	613.000	541.800	270.000

- There is 100% PTW helmet compliance but why persistent fatalities?
- The current helmets in use are not required to be certified to any standard of protection
- No quality control is enforced in their construction

Helmet misuse or poor quality helmets were cited to be main cause of severe motorcycle accidents



Tuwurinde project

Project aim

- Develop local powered two-wheeler (PTW) helmet impact testing/certification capacity to improve user head protection during crashes through elaboration and enacting a Rwandan standard, using existing international regulation and ultimately support local manufacturing to generate revenue, eliminate supply constraints and limit the use of fake and inadequate helmets.

Project specific objectives

- Build the capacity of the institution in charge of standards through installation of helmet impact testing equipment in accordance with UN Regulation No. 22 requirements and establishment of a national helmet testing centre
- Implement behaviour change and sensitization campaigns for PTW users to encourage appropriate helmet use, the benefits of certification to international regulation UN Regulation No. 22 and the need to replace helmets after crashes
- Support legislation of a PTW and bicycle helmet safety standard and certification protocols



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Project Stakeholders

Institutions	Role
MININFRA (RTDA, RURA, NIRDA, UR, RP, RBC/MoH)	Responsible for policy and legislation related to road safety and will be responsible for the highest level of leadership of the project and Coordinate other Government of Rwanda and partner agencies
UNECA	The Private Sector Development and Finance subprogramme of ECA will lead the implementation of this project as its ultimate goal is local manufacturing of two-wheeler helmets that will generate revenue and eliminate supply constraints. In essence, the project has safety and economic benefits as it will not only improve user head protection in crashes but also generate revenue for local manufacturers.
UNECE	As the custodian of the UN vehicle safety regulations, UNECE will provide required expertise on the matter as well as provide any technical assistance needed for the project
FIA Foundation	Finance the helmet testing lab and provide technical expertise related to its operationalization
RNP	Enforce road safety laws once enacted
RSB	Receive technical assistance in helmet standards consideration and testing of helmets sold in Rwanda for their impact performance. Operate the national helmet testing lab once established.
HPR	Implementation, local aspects M&E and daily project coordination and reporting



Implementation arrangement

- MININFRA is the national institution of the Government of Rwanda to take responsibility for progress towards the outputs that will be achieved through collaboration with the local NGO HPR, RSB, NIRDA, UR, RP, RBC/MoH and RNP.
- RTDA and RURA are the implementing partners of the MININFRA
- RNP serve to enforce road safety laws once enacted.
- RSB is responsible for appropriate standards necessary to ensure the safety and prosperity of the Rwandan people and will host the established a helmet testing laboratory.
- HPR will serve as an implementation partner of the MININFRA, responsible for primary project coordination and local aspects of M&E
- Helmet impact testing capacity and standard development - The first activities in this project include stakeholder engagement and drafting of legislation necessary to guide PTW helmet certification processes
- Working with RBC/MoH, HPR will use project resources to monitor PTW crash outcomes on an interval basis and report in order to ascertain the impact of the project



Project Outputs

Output 1.1: UNR22 certified PTW helmets are used in Rwanda	Output 1.2: Newly established road safety innovation and research hub launched to build foundation for the Tukurinde helmets	Output 1.3: Positive revenue generated through PTW helmet standard certification in line with adopted legislation
<ol style="list-style-type: none">1. PTW helmet standards legislation, regulatory and enforcement frameworks drafted and consultations initiated2. Proper PTW helmet focused sensitization and behaviour change campaign3. UNR22.05 standard helmet testing equipment and installation ordered, hiring, training and verification of staff competencies at the RSB	<ol style="list-style-type: none">1. RSB helmet testing equipment installed, staff hiring and training completed (co-finance)2. Sensitization of academia and the public to the new resource & purpose3. Perform local manufacturing capacity evaluation and African market analysis for PTW helmets	<ol style="list-style-type: none">1. PTW helmet standards legislation, regulatory and enforcement frameworks adopted2. Sensitization of retailers and PTW helmet consumers



Project Outputs Cont'd

Output 1.4: Generally improved quality of PTW helmets used properly in Rwanda through improved regulation and enforcement

1. PTW helmets put on the market, complying with standards legislation, regulatory and enforcement frameworks fully enforced
2. Sensitization of PTW helmet users and baseline observations collected
3. Repeated sensitization of PTW helmet users and interval observations collected

Output 1.5: Increased capacity of relevant Rwandan institutions in road safety management to maximize impact of new helmet standards

1. Identify local stakeholders to be trained in PTW helmet UN R.22 identification, use and benefits
2. Perform baseline evaluation of UN R.22 helmets knowledge, attitudes and practices for selected private companies and governmental institutions
3. Deliver trainings for the selected private companies and government institutions
4. Evaluate post-training and longitudinal knowledge, attitudes and practices relative to UN R 22 PTW helmet's use impact on road safety



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THANK YOU!

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