Safe Pass™

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Personal Information

Title of the Project/Product:	Safe Pass™
Technology Maturity:	Prototype
Contact Person:	Barrington Shirley
Email:	barrington@shirlcorp.com
Organisation:	ShirlCorp Pty Ltd
Web Address:	www.shirlcorp.com
Location:	East London, South Africa
Type of Industry:	ICT
Technical Area:	ICT
Intellectual Property:	Yes
Desired Relationship:	Co-development Partner

Brief Summary:

Safe Pass™ gives drivers a clear view of the road ahead of a slow moving obstructive vehicle, such as trucks and buses, allowing them to overtake safely. Having a clear view of what's ahead, both directly in front of the vehicle you want to overtake and also traffic in the opposite lane will help people to make better decisions on when to make a "safe pass".

Technology Offer Detailed Description:

Overtaking in a car demands several skills, driving techniques variable conditions. These include a clear vision of the road ahead, knowledge and understanding of other vehicles that might be affected – approaching vehicles from the front, trailing vehicles and the ones surrounding the vehicle to overtake. It requires correct perception and able application of mind over machine. It also involves judgment of speed and distance along with the judicious use of various car accessories like the rear view and side mirrors, transmission, steering wheel, and the braking system. It also requires a good awareness of the vehicle you are driving.

Safe Pass™ gives drivers a clear view of the road ahead of a slow moving obstructive vehicle, such as trucks and buses, allowing them to overtake safely. Having a clear view of what's ahead, both directly in front of the vehicle you want to overtake and also traffic in the opposite lane will help people to make better decisions on when to make a "safe pass". The system utilizes a proprietary camera system that is fitted to obstructive vehicles; this camera then transmits live video feed of the road ahead. With a vehicle based receiver and screen or the use of a smart device with the Safe Pass™ app, drivers wishing to overtake said vehicle will be able to sync with the video stream to be able to see the road ahead, without putting themselves or other road users at risk, before attempting the overtaking manoeuvre.

A co-development partner is needed in order to take the development to the next level by refining the electronics design and firmware that runs the device as well as adding additional user features on the accompanying mobile app

Team and Related Experience:

Barrington holds several industry certifications as an Advanced Telecommunications Technician, and is currently enrolled to complete a BSc in Computer Science. He has four years working experience in the telecommunications industry in the USA, also active in the ICT sector in the Eastern Cape for the past five, years providing technical support and custom application development to both the public and private sector.

Yonela holds a Bcom in Business Analysis, and has been with the Safe Pass™ project for more than a year. He has been active in the ICT sector for more than two years working on some exciting projects before joining Safe Pass

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