Certified measurement of Road Marking visibility to predict the Safe operation of ADAS & Autonomous vehicles.

Speaker: Joe Turley CEO. RetroTek Technology

Web Site: http://www.reflective-systems.com/
DT-ART-01-2018: Testing, validation and certification procedures for highly automated driving functions under various traffic scenarios based on pilot test data

Project Title: SRAV. Safe Roads for Autonomous Vehicles

H2020 2018 calls AUTOMATED ROAD TRANSPORT

EC Transport Infoday, Brussels 13 December 2017
• **Principal Name:** Joe Turley. CEO.
• **SME:** Reflective Measurement Systems Ltd.
• **Country:** Dublin, Ireland
• **Department:** RetroTek Retroreflective Measurement Technology.

http://www.reflective-systems.com/
• Project Title: SRAV. Safe Roads for Autonomous Vehicles.

• Topic: Certified measurement of Road Marking visibility to predict the Safe operation of ADAS & Autonomous vehicles.

• Project description: Are roads in Europe ready for the safe operation of autonomous vehicles?
Expertise:

- Developing and building certified road marking measurement systems.
- Machine vision, calibrated Led Light systems,
- Programming for visual & precision retro-reflectivity measurement.
- Experienced industrial, electronic & mechanical engineers
- Software developers (machine vision, GUI design & graphical/spatial information display.
- Experienced in planning and executing road marking performance surveys.
- Experienced in displaying and mapping multiple road marking surveys.
Proposal: We propose to complete a *pilot study* on *European roads* & measure if *existing road markings* are *adequate* for the *vision systems* currently used in *autonomous vehicles*. 

Types of Reflective Road Asset Data Collected

1. L/H Road Marking (Line / Striping)
2. R/H Road Marking (Line / Striping)
3. L/H Road Marker (Stud)
4. R/H Road Marker (Stud)
5. Median Barrier Reflector
6. Center Lane Road Marking (Symbols, Arrows, etc.)

TEN-T European Road Network
Profile of the partners sought:

- Autonomous vehicle manufacturers
- Road asset performance surveyors.
- Road asset management and mapping software providers.
Thank you for your attention.

For further information

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