

E T N A
2 0 2 0

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/>



H2020 2018
calls
AUTOMATED
ROAD
TRANSPORT

EC
Transport
Infoday,
Brussels

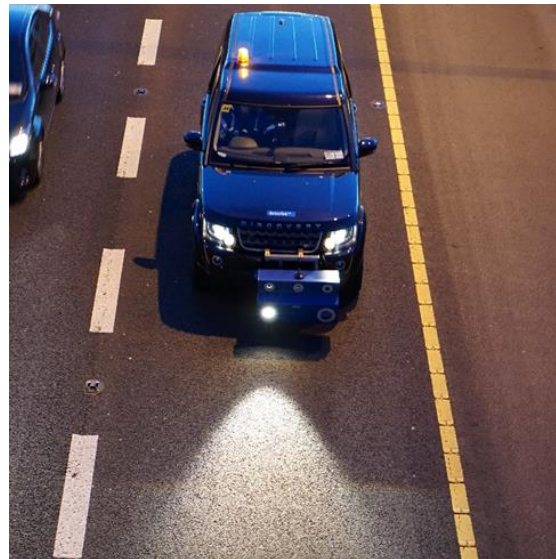
13
December
2017

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.

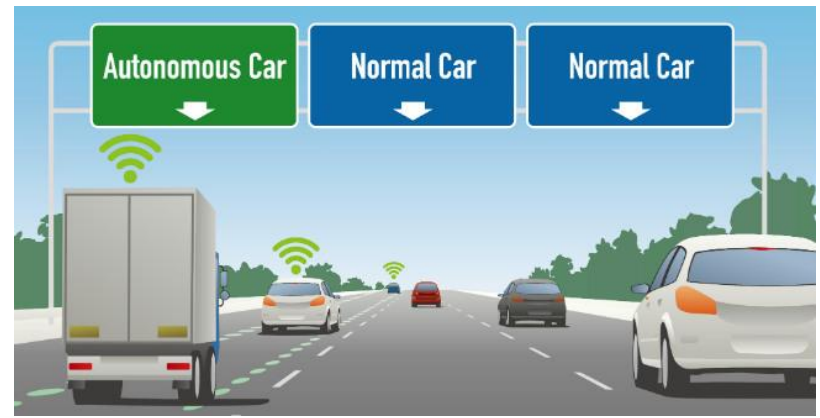


- **Principal Name:** Joe Turley. CEO .
- **SME:** Reflective Measurement Systems Ltd.
- **Country:** Dublin. Ireland
- **Department:** RetroTek Retroreflective Measurement Technology.
<http://www.reflective-systems.com/>





- **Project Title:** **SRAV. Safe Roads for Autonomous Vehicles.**
 - <https://www.b2match.eu/h2020transportcall2018>
- **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.



RetroTek-OnLineView
Demo Video





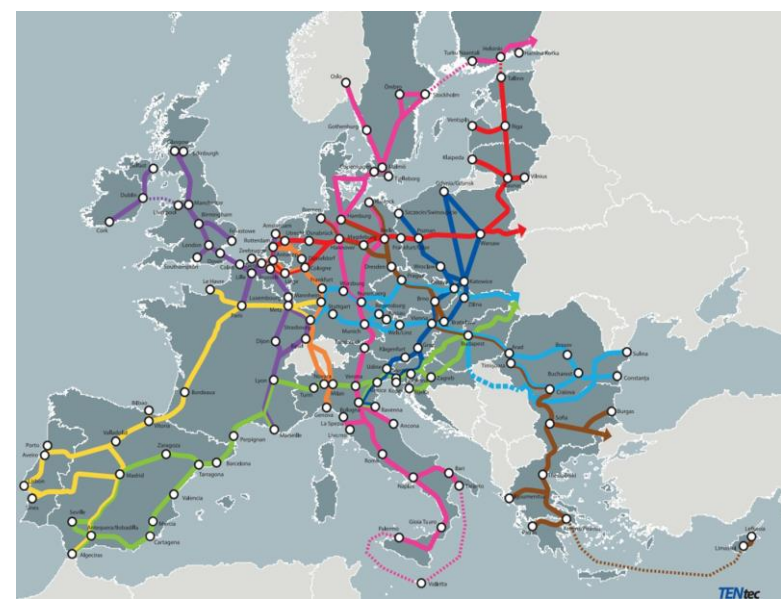
Proposal: We propose to complete a **pilot study on European roads & measure if existing road markings are adequate for the vision systems currently used in autonomous vehicles.**

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.)

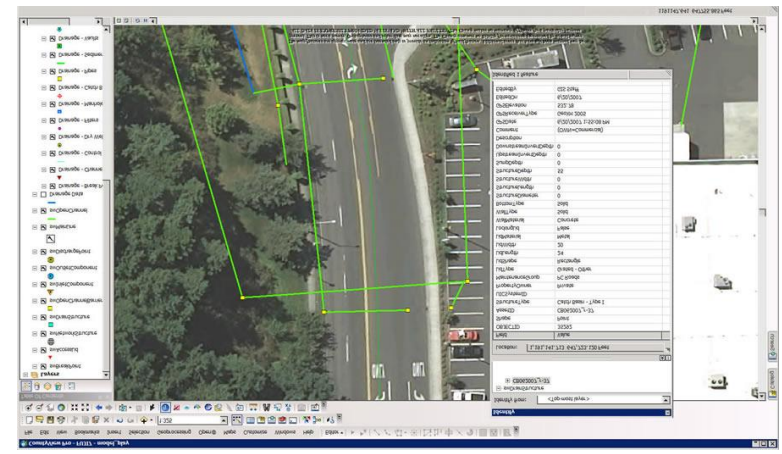
TEN-T European Road Network





Profile of the partners sought:

- Autonomous vehicle manufacturers
- Suppliers of Advanced Driver Assist Systems (ADAS).
- Road asset performance surveyors.
- Road asset management and mapping software providers.



Advance Driver Assistance Systems (ADAS)





Thank you for your attention.

For further information

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