

# Road Mobility

BROKERAGE  
EVENT



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Oxford RF Ltd (SME)

**United Kingdom | Wide-Vision Radar Sensors for Robotics, ADAS, and Smart Cities**

## Proposed Approach

- 5D Networked Automotive Radar Product, enabling much faster decision making with fewer sensors and lightweight compute.
- Use of higher-order data inputs (3D position + 2D velocity vector) to measure sudden vehicle manoeuvres and sudden changes in pedestrian direction.
- Significantly reducing the reliance on multiple frames of data to estimate critical object motion, leading to 5-7X faster vehicle and pedestrian motion prediction compared with existing perception methods.
- Industry's wide view sensors of up to 360-degree in a solid-state package.

## Organisational Capabilities

- Advance radar sensors for robotics, ADAS/ADS, and infrastructure/Smart Cities
- Networked sensors for high-resolution and sudden change measurement
- Sensors for software-defined vehicle architecture



## Experience

- Oxford RF have undertaken several large, collaborative research and innovation programmes funded by the UK Government and so are experienced in working in consortia that deliver outstanding result. These include:
- [Sim4CAMSens](#) and [Sim4CAMSens2](#) (combined £4.7M) on automotive radar sensor development and optimisation using modelling/ simulation software
- Mobilise and CAM Scale Up projects (combined £0.5M) for the development novel CAM sensors and demonstrating their performance at UK testbeds.

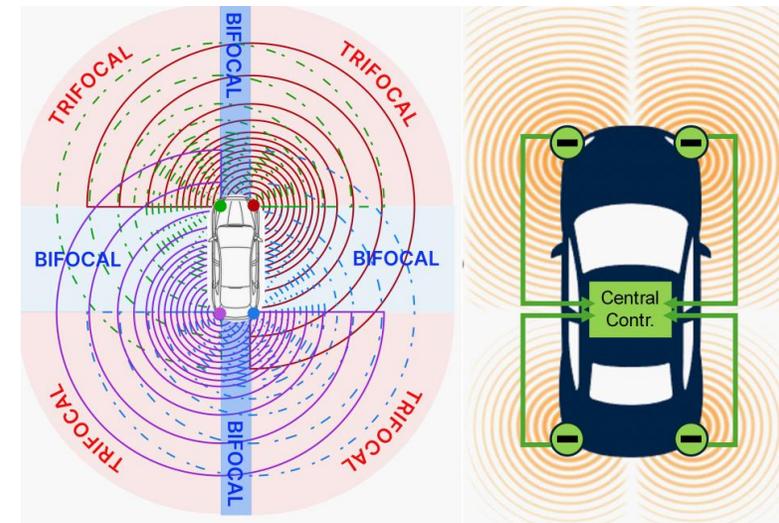


## Administrative Information

Looking join a mobility consortium with at least one vehicle provider

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# Thank you