



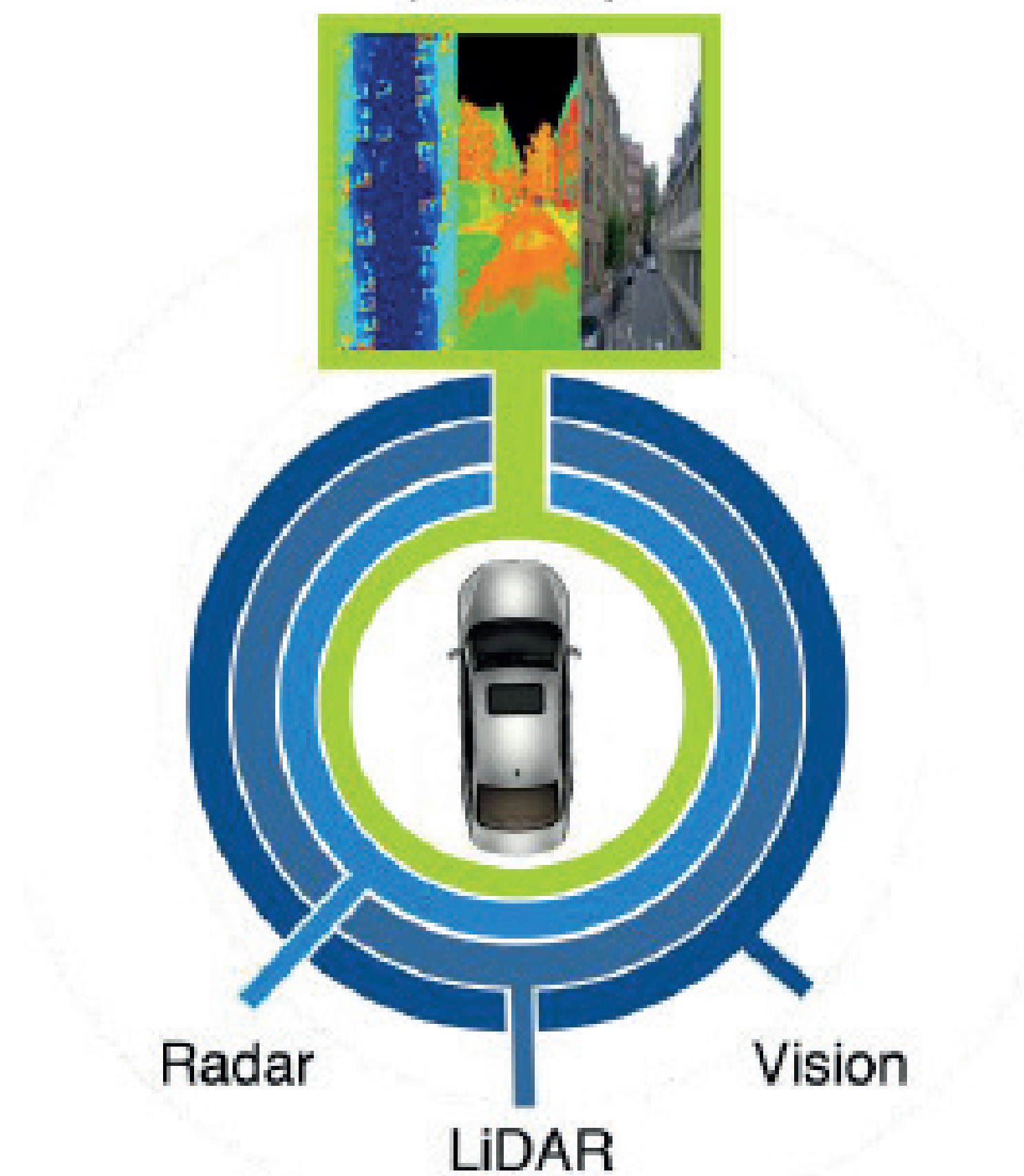
Objectives

PRYSTINE will realize Fail-operational Urban Surround perception (FUSION) which is based on robust Radar and LiDAR sensor fusion and control functions to enable safe automated driving in urban and rural environments.

Prystine goals

1. Enhanced reliability and performance, reduced cost and power of FUSION components
2. Dependable embedded control by co-integration of signal processing and AI approaches for FUSION
3. Optimized E/E architecture enabling FUSION-based automated vehicles
4. Fail-operational systems for urban and rural environments based on FUSION

Fail-operational urban surround perception (FUSION)



PRYSTINE's basic concept –
Fail-operational urban surround perception (FUSION)

PRYSTINE will deliver

- fail-operational sensor-fusion framework on component level
- dependable embedded E/E architectures
- safety compliant integration of AI approaches for object recognition, scene understanding, and decision making

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€M 50

Participating organisations
58

Number of countries
14

