CAMBRIDGE | Enterprise

AI-based indoor positioning

Sub-cm accuracy

Technology

With increasing automation in manufacturing and logistics, the need for asset tracking and positioning data indoors is increasing. Current positioning solutions struggle with accuracy, latency, high infrastructure cost, and poor scalability. This technology leverages the existing lighting in these environments to give accurate location data using a new AI positioning model.

Benefits

- Eliminates the need for expensive hardware
- Low cost for industry-high accuracy
- Scalable and robust
- High sensing privacy – no cameras

Commercial applications

- Indoor robotic navigation – autonomous robots, multi-robot coordination, indoor drones
    - Manufacturing
    - Logistics
- Digital twin and real-time sensing



Opportunity

Co-development partners, technology licensees and / or spinout investors are being sought to help commercialise this technology

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