



## REMARKABLE TECHNOLOGY, EASY TO USE



## FRAUNHOFER PORTUGAL

Associação Fraunhofer Portugal Research (Fraunhofer Portugal) is a non-profit private association founded by Fraunhofer-Gesellschaft, the largest organization for applied research in Europe.

## AICOS

The first research centre operated by Fraunhofer Portugal is the Fraunhofer Portugal Research Center for Assistive Information and Communication Solutions (AICOS), born in 2009 following a partnership between the Fraunhofer Society (Fraunhofer-Gesellschaft), the Foundation for Science and Technology and the University of Porto.

10 European projects

Partnerships with over  
150 organizations in 31 countries



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## Competencies

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With a team of over 80 hired researchers and a client portfolio from a broad range of areas, such as health, agriculture, retail or energy, AICOS has consolidated competences in:

### ■ Human-Centred Design

- Understanding people in diverse settings;
- Co-designing meaningful technologies;
- Technology assessment in real life.

### ■ Artificial Intelligence

- Edge & Cloud Computer Vision;
- Sensor Fusion & Embedded Intelligence;
- Cognitive Systems & Deep Learning;
- Predictive Modelling & Recommendation.

### ■ Cyber-physical Systems

- Embedded Electronics;
- Communication & Networks;
- Edge & Cloud Computing;
- Quality Assurance & Regulatory Pre-Compliance.

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## Innovation Themes

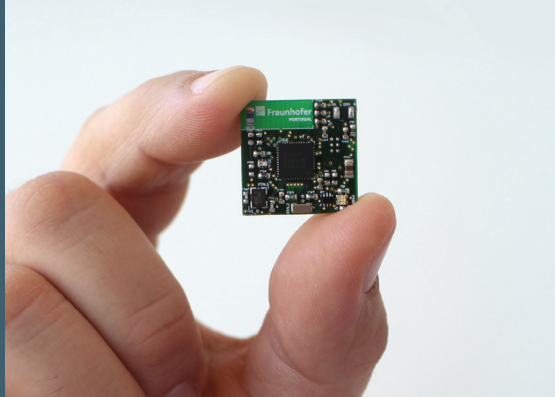
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User analysis in different environments, computer vision, cognitive and decision support systems, and the internet of things are some of our fields of study. We steer activities towards applied research and our clients' success, with whom we establish close cooperation for the development of innovative, intuitive, accessible and ubiquitous technological solutions.

Currently, the innovation themes of interest to AICOS are the following:

- Cognitive connected solutions;
- Digital farming;
- Accountable artificial intelligence;
- Decentralised health technology;
- Living and ageing with data.





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## Services

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### ■ R&D Consulting

- Custom-designed studies;
- State of the art;
- Technology assessment;
- User research (Living Labs and controlled environments);
- Professional training.

### ■ Proofs of Concept

- Rapid prototyping through 3D printing;
- Application development;
- Electronics;
- Machine learning;
- Networks.

### ■ Prototype Implementation

- Architectural specification;
- System implementation;
- System testing and validation.

### ■ Easy access to German Fraunhofer Institutes in other areas of competence

- 8 Research Groups and 72 Institutes;
- More than 80 Research Units.

### ■ Member of the National Scientific and Technology System

- Eligible to participate in public incentive R&D programmes.



**[fraunhofer.pt](http://fraunhofer.pt)**

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