PARTNER INFORMATION FORM

Legal name	PCI - Parque de Ciência e Inovação, S.A.
English name	PCI - Creative Science Park Aveiro Region
Acronym	PCI
Legal form	Public limited company with predominantly public capital
VAT number	PT 509 574 254
Registered address	Via do Conhecimento, Edifício Central, 3830-352 Ílhavo, Portugal
Country / Region	Portugal / Centro Region
Website	https://pci.pt
PIC / Participant ID	911781280
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Organisation Profile

PCI is a science and technology park in Portugal's Centro Region, connecting universities, research centres, companies, startups and public stakeholders. It develops and manages innovation infrastructure and supports collaborative innovation, technology transfer, entrepreneurship, incubation, acceleration and knowledge valorisation.

Through its Tech Lab, combining Design Factory and Digital Factory, PCI supports prototyping, experimentation, proofs of concept, technology validation and demonstrators. These capabilities complement its ecosystem engagement and business development services, helping solutions progress towards market-oriented demonstration and adoption.

Priority sectors: Health; Microelectronics; Photonics; Semiconductors; Smart Cities; Media.

Core Competencies

- Innovation ecosystem orchestration and multi-stakeholder engagement;
- Technology-based startup incubation, acceleration and mentoring;
- Design-led innovation, co-creation and user-centred product and service design;
- Physical and digital prototyping, experimentation and pilot support;
- Technology transfer, business models, exploitation and market uptake;
- Training, communication, dissemination and collaborative project implementation.

Tech Lab: technologies and services

PCI's Tech Lab supports companies, startups and research partners in developing and testing innovative products, processes and services. Design Factory and Digital Factory provide complementary capabilities across physical and digital prototyping, experimentation and validation.

Design Factory - physical prototyping and product development

- Concept development, design methodologies and translation of user needs into product and service specifications.
- 3D modelling, rapid prototyping and development of physical demonstrators.
- Support for hardware, electronics, sensors and IoT prototypes, including their integration with digital solutions.
- Iterative prototype refinement, functional experimentation and preparation of proofs of concept with project partners.

Digital Factory - advanced digital technologies

Artificial intelligence	Support for experimentation with AI-based solutions and proofs of concept, using cloud and advanced computing resources.
XR: VR, AR and MR	Development and experimentation with immersive experiences and interactive demonstrators for training, visualisation and user engagement.
Digital twins	Digital modelling, simulation and virtual demonstrators to explore products, processes and application scenarios.
3D and multimedia	3D content, audiovisual and multimedia production, motion capture and digital assets for prototypes, demonstrations and training.
Cloud and advanced computing	Resources for digital development, data processing and experimentation with computationally demanding solutions.
5G and edge computing	Connected application prototyping and experimentation, including distributed data processing and IoT use cases.
Drones and robotics	Support for experimentation and demonstrators involving drones and robotic systems, subject to the requirements of each use case.

Services PCI can contribute to a project

- Technical scoping, co-design and preparation of experimentation plans.
- Physical and digital prototyping, proofs of concept and demonstrator development.
- Preparation and implementation of pilots with academic, business and public partners.
- Functional testing, user feedback collection and iterative improvement.
- Technology demonstrations, technical workshops and hands-on capacity building.
- Connection of technical results with incubation, commercialisation and adoption pathways.

The exact equipment, technical responsibilities and validation methods are agreed with the Tech Lab for each proposal.

Priority sectors and project interests

PCI seeks to participate in European partnerships across four priority sectors, connecting research, entrepreneurship and industry to support the development, demonstration and adoption of innovative solutions. Its specific contributions are defined according to each consortium's objectives and needs.

Health

Digital health, MedTech, medical devices and technology-enabled care. PCI can support startup scouting and incubation, user-centred co-creation, physical and digital prototyping, immersive training demonstrators and pilot preparation. Clinical validation and regulatory activities are undertaken by qualified consortium partners.

Semiconductors, Microelectronics and Photonics

Semiconductor value chains, electronic and photonic systems, sensors, embedded technologies and optoelectronic applications in health, communications and industry. Building on its involvement in the Microelectronics Agenda, PCI can connect specialised companies and research organisations, mobilise startups and SMEs, and support application-driven demonstrators, technology transfer, skills development and commercialisation.

Smart Cities and Sustainable Communities

Connected urban services, smart buildings, sustainable mobility, energy efficiency and environmental monitoring. Drawing on its integration in the Aveiro Technology Free Zone (ZLT), PCI is interested in projects combining IoT, sensor networks, AI, digital twins and data-driven solutions to address urban challenges. Potential contributions include co-creation with municipalities, businesses and citizens, prototyping, immersive visualisation and support for pilots and technology adoption.

Media and Creative Industries

Digital and interactive media, immersive experiences, audiovisual content and creative applications of emerging technologies. PCI is interested in partnerships exploring extended reality (XR), virtual production, interactive storytelling and AI-assisted content creation, with applications in culture, education, tourism and industry. Potential contributions include creative co-development, prototyping, demonstrators, user testing and support for startups developing new products, services and business models.

Relevant infrastructure and ecosystem

PCI combines Tech Lab facilities, physical and virtual incubation, creative innovation services, and connections to universities, research centres, businesses and public stakeholders. This environment supports co-creation, startup engagement, training, pilot preparation, demonstrations and dissemination, with access to specialised partners according to project needs.

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Contribution to European projects

Potential roles and work package contributions

Technology development and experimentation	Prototype and proof-of-concept support; physical and digital demonstrators; experimentation plans and functional feedback.
Pilots and demonstration	Pilot preparation and implementation; engagement of users and host organisations; technology demonstrations and iterative improvement.
Ecosystem engagement	Stakeholder mapping; startup and SME scouting; regional mobilisation; connections to municipalities and specialised technology partners.
Entrepreneurship and exploitation	Incubation, acceleration, mentoring, business models, market validation and adoption pathways.
Design and user experience	Co-creation, needs assessment, user-centred methods, service design and immersive demonstrators.
Capacity building and dissemination	Technical workshops, training, multimedia content, communication, events and community building.

Proposal-specific information required

- Call identifier, project title and acronym; validated legal and financial data.
- Project contact, legal representative and authorised signatories.
- Final role, work packages, tasks, deliverables, milestones and technical resources.
- Staff profiles, person-months, travel, subcontracting and other costs.
- Relevant projects, infrastructure, equipment and references selected for the call.
- Ethics, security, gender, data protection and intellectual property requirements.

Copy-ready short profile

PCI - Creative Science Park Aveiro Region is a science and technology park in Portugal's Centro Region connecting research, business, startups and public stakeholders. Its Tech Lab combines Design Factory and Digital Factory to support physical and digital prototyping, proofs of concept, experimentation and demonstrators, with capabilities in AI, XR, digital twins, multimedia, IoT, cloud, advanced computing, 5G and edge computing. PCI combines these services with incubation, acceleration, co-creation, technology transfer, training and market uptake support. Its priority sectors are Health, Microelectronics, Photonics, Semiconductors and Smart Cities.

Proposal validation: All proposal-specific legal, administrative, technical and financial information must be validated by PCI before submission. This profile alone does not confirm resources, budget or project commitments.