

ONE PAGE EXPERTISE DESCRIPTION

The aim of this document is to introduce your organisation to potential project leaders. Since there are hundreds of such descriptions circulating throughout Europe, please keep it short, concise and precise so potential project coordinators can quickly assess if your contribution would be useful. This document does not aim to provide an extensive overview of your activities, but to show in a few words your added value relevant to a specific topic or group of topics. **Please fill in one form per field or research/expertise.**

INFORMATION ABOUT THE EXPERT

ORGANISATION	ACIC sa
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EXPERTISE OVERVIEW

TOPIC(S) OF INTEREST:

- HORIZON-CL4-2023-DATA-01-04: Cognitive Computing Continuum: Intelligence and automation for more efficient data processing (AI, data and robotics partnership) (RIA)
- HORIZON-CL4-2023-HUMAN-01-01: Efficient trustworthy AI - making the best of data (AI, Data and Robotics Partnership) (RIA)
- HORIZON-CL4-2023-HUMAN-01-02: Large Scale pilots on trustworthy AI data and robotics addressing key societal challenges (AI Data and Robotics Partnership) (IA)
- HORIZON-CL4-2023-DATA-01-02: Integration of data life cycle, architectures and standards for complex data cycles and/or human factors, language (AI, data and robotics partnership) (RIA)
- HORIZON-CL4-2024-HUMAN-01-06: Explainable and Robust AI (AI Data and Robotics Partnership) (RIA)
- HORIZON-CL4-2023-TWIN-TRANSITION-01-31: Energy efficiency breakthroughs in the process industries (Processes4Planet partnership) (RIA)
- HORIZON-CL4-2023-HUMAN-01-05: Through AI from Disinformation to Trust (IA)
- HORIZON-CL4-2023-DIGITAL-EMERGING-01-57: Advanced imaging and sensing technologies (IA) (Photonics Partnership)

HEADLINE:

People behaviour and object detection in images and video streams using computer vision and AI.

POTENTIAL CONTRIBUTION:

Since year 2003, we are one of the EU **leaders in the field of video analytics** for surveillance cameras. Our customers include critical infrastructures such as Seveso sites, pharmaceutical plants, nuclear sites, defence secret areas, jails, ammunition depots, airports, railway infrastructures, smart cities, border

control, malls, and others.

Our solutions **combine computer vision algorithms with our own AI models for high performance** for different hardware (servers, computers, appliances, embedded in cameras). We have experience in fixed, PTZ and mobile cameras.

We propose our R&D skills for the use case of the detection of targets (people or objects) from **fixed, PTZ, mobile, terrestrial, aerial, or naval pictures and video streams**.

In the coming calls for proposals, we would like to specifically work on topics such as AI certification, trustworthy AI, explainable AI, efficient active learning strategies for video inputs and frugal learning, cybersecurity, efficient computing workload distribution from edge to cloud, energy efficient AI models.

We have a long-term experience in participation to National and European co-funded R&D projects. For EU projects, ACIC already took part to EUREKA/ITEA (CANTATA), FP7-STREP (APIDIS), FP7-SME (SV3D) as well as FP7-IP (LASIE) European projects. We love projects that end up in a **real proof of concept or prototype** with tests in **real or representative contexts**.

Our R&D team (PhD, engineers) has skills for **development** and **integration** tasks, as well as for **research** activities.

Please contact us to discuss any project idea dealing with our domain.