PARTNER PROFILE FORM	
Contact Details:	
Organization	*Mibyte (sole proprietorship of Mislav Jurić)*
Department (if needed)	*N/A*
City	*Vinkovci*
Country	*Croatia*
Contact person	*Mislav Jurić, AI & ML Engineer and Consultant*
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Organization Website	*https://www.mislavjuric.com/*
Contact person Webpage (if any)	*https://www.mislavjuric.com/*
Information on organization profile, expertise and potential contribution:	
Description of your organization	*Mibyte is an independent AI/ML engineering and consulting company based in Vinkovci, Croatia (a widening country). Founded three years ago, it has delivered AI projects for international clients in gaming, healthcare, advertising and enterprise software, including Newfire Global Partners and GoodAI. It is led by Mislav Jurić (MSc in Computer Science, University of Zagreb FER), who has 6 years of industry experience in AI/ML, including earlier healthcare and agriculture projects at TIS*

	Group and the autonomous-driving team at Rimac Automobili. *What makes us different:* • ***Problem-first approach:*** *we start by checking whether AI is the right tool at all and recommend simpler methods, or no AI, when they work better. This gives consortia a technical partner who keeps AI claims realistic.* • ***From feasibility to working system:*** *requirements, architecture, data and labelling, model training and evaluation, then integration into production (APIs, containers, cloud or local deployment).* • ***Broad technical range:*** *large language models and agents, retrieval-augmented generation, NLP, computer vision (including drone-imagery segmentation), speech recognition and synthesis, and classical ML.* • ***Responsible AI in practice:*** *built content-filtering, safety and prompt-protection mechanisms for a public-facing LLM product, and works with open-source models that can run locally to protect privacy.*
Type of organization	
	☐ Higher Education ☐ Research Institution ☐ Public Administration ☒ Industry /SME ☐ NGO ☐ Other: ***Please specify***
List up to 5 keywords describing your sector or specialization	*Artificial intelligence; Machine learning; Large Language Models (LLMs); Natural language processing (NLP); Computer vision (CV)*
Expertise offered	• ***LLMs and agentic AI:*** *analysis of free-text input (surveys, consultations, workshop notes), classification, summarisation, question answering over documents (retrieval-augmented generation), AI agents, and fine-tuning of open-source LLMs.* • ***Computer vision:*** *segmentation of aerial and drone imagery, and pose estimation and classification on video. Examples: a drone-imagery pipeline that segments vineyard rows and gaps, built from design to deployment on Azure; a pose-estimation system that classifies infants into four risk classes for neurological deviation.* • ***Speech technology:*** *speech recognition and text-to-speech, including local deployment.*

	• ***Applied ML and data science:*** *predictive models and decision-support tools built on tabular data, validated carefully before release.* • ***AI feasibility and architecture:*** *deciding what AI can and cannot do for a given use case, setting realistic timelines, and evaluating AI tools before they are used.*
Participation in an EU funded projects	*No completed EU-funded project yet; joining a NEB consortium would be our first Horizon Europe participation.* • *Registered on the EU Funding & Tenders Portal (validated PIC, SME status).* • *Submitted a proposal to the AI-BOOST open call for cascade funding; currently under evaluation.* • *Based in a widening country (Croatia).*
Your offered contribution	*Design, development and evaluation of the AI and data components of the project, for example:* • *computer vision models that map building condition, vacant or underused spaces, and facades or rooftops suitable for greening, using drone, street-level or satellite imagery;* • *NLP/LLM tools that analyse large amounts of resident input (surveys, workshops, recorded meetings) so that participatory processes can include more voices and stay transparent;* • *decision-support prototypes and dashboards for municipalities, planners and community groups;* • *technical tasks such as data pipelines, model evaluation, privacy-preserving and open-source deployment, and documentation that lets project partners keep using the tools after the project ends.*
Your offered role	*Technical partner (beneficiary) and task leader for AI/ML and data tasks. Open to leading a small, technically focused work package. Not seeking to coordinate.*
Project idea:	
Reference of Call(s) / topic(s) of interest	• ***HORIZON-NEB-2026-01-PARTICIPATION-01:*** *Addressing homelessness through housing-led approaches aligned with the New European Bauhaus* • ***HORIZON-NEB-2026-01-PARTICIPATION-02:*** *Innovative approaches for the spatial design of neighbourhoods* • ***HORIZON-NEB-2026-01-REGEN-02:*** *Advancing sustainable maintenance and repair measures for existing buildings*

	• ***HORIZON-NEB-2026-01-REGEN-03:*** *Innovative solutions for the sustainable and beautiful use of vertical space* • ***HORIZON-NEB-2026-01-BUSINESS-03:*** *Approaches to reuse vacant, obsolete or underutilised spaces* • ***HORIZON-NEB-2027-01-PARTICIPATION-03:*** *Novel combinations of knowledge and research methods to address social issues and advance a fair green transition of neighbourhoods* • ***HORIZON-NEB-2027-01-BUSINESS-02:*** *Innovative models for collective community investment and ownership* *We are also open to other NEB Facility topics with an AI/ML or data component; the topics above are of particular interest.*
Your project idea	*No own project idea. Looking to join a consortium as a technical partner; see „Your offered contribution“ for how Mibyte can support these topics.*
List up to 5 keywords describing your project idea.	*AI for urban regeneration; Computer vision for buildings and vacant spaces; AI-assisted citizen participation; Decision support for neighbourhoods; Drone and aerial imagery analysis*