

An Italian company is looking for manufacturers of Audio over Ethernet (AoE) compatible microphones and microphone arrays for a new research-driven application.

Summary

Profile type

Technology request

Company's country

Italy

POD reference

TRIT20250327022

Profile status

PUBLISHED

Type of partnership

**Commercial agreement with
technical assistance**

**Research and development
cooperation agreement**

Targeted countries

• World

Contact Person

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Term of validity

27 Mar 2025

27 Mar 2026

Last update

27 Mar 2025

General Information

Short summary

A Italian SME active in the field of applied AI and acoustic environment analysis is seeking industrial partners or manufacturers of microphones and microphone arrays compatible with Audio over Ethernet (AoE). The solution is intended for integration in a new system under development for intelligent monitoring in complex sound environments. The company is interested in exploring different technical configurations under a technical cooperation or commercial agreements.

Full description

The Italian company has a longlasting experience in audio and sound engineering sector and it is now developing a new system designed to apply advanced AI models to the analysis of soundscapes in industrial and working environments. In this context, the company is looking for manufacturers or solution providers capable of supplying Audio over Ethernet (AoE) microphones or microphone arrays.

The technical specifications are still under definition and may vary depending on the use case. Therefore, the company is open to evaluating a wide range of devices with different profiles, including models suitable for capturing ultrasound frequencies or operating in challenging acoustic conditions.

The goal is to identify potential hardware partners for collaboration in the prototype and testing phase, with a possible view toward future industrialization.

Advantages and innovations

Technical specification or expertise sought

The partner sought should have expertise in the following topics:

AoE (Audio over Ethernet) compatibility

Availability of product documentation (data sheets, APIs if applicable)

Microphone or array solutions suitable for integration in research/prototype systems

Ability to operate across diverse acoustic profiles (e.g. variable SPL, frequency range)

Optional: capability to capture ultrasound frequencies

Stage of development

Sustainable Development goals

• **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

IPR Notes

Partner Sought

Expected role of the partner

The Italian company is interested to establish Technical cooperation agreement for prototype integration and testing as well as commercial agreement with technical assistance for supply of components and support during development

Type of partnership

Type and size of the partner

Commercial agreement with technical assistance

Research and development cooperation agreement

• **SME 11-49**

• **Big company**

• **SME 50 - 249**

• **SME <=10**

Dissemination

Technology keywords

- **06005001 - Safety & systems**
- **01006001 - Audiovisual Equipment and Communication**

Targeted countries

- **World**

Market keywords

- **03004003 - Other electronics related equipment**
- **08002007 - Other industrial automation**
- **08002003 - Process control equipment and systems**

Sector groups involved