R&D COLLABORATIVE PROPOSAL / COMPANY PARTNER SEARCH

The information you are about to provide in this form will be distributed among companies matching your company profile and that might be interested in the proposal of collaborative R&D project that you will be describing in this form. (Please use English language for filling in the document)

YOUR COMPANY PROFILE

Company name: 相位資訊有限公司 PhaseTech

WEB site: https://phasetech.musketeer.aclab.cool/

Number of employees: 9

Year of Establishment: 2019 / 05 / 29

Activity/ sector: Marine and fisheries data analysis, AI and big data analytics, high-resolution customized GIS systems, Software Development and System Integration

Key products and/or services: Electronic Monitoring System (EMS) development、DeepSea9: Fishing vessel monitoring system、Real-time 3D Ocean GIS system

Annual turnover: Confidential

Balance Total: Confidential

Address: No. 2, Beining Rd., Zhongzheng Dist., Keelung City 202301, Taiwan (R.O.C.) **City:** Keelung **Province:** Taiwan **Postal Code:** 202	**Telephone:** (02)-2462-2192 #6639 **Fax:** None **Email:** phasetech.co@gmail.com

Contact: William Hsu **Position: Project Lead** **Telephone:** - **Email:** wwyhsu@gmail.com	**Additional Contact:** Shu-Yen Lin **Position:** CEO **Telephone:** - **Email:** shu343424@gmail.com

YOUR COMPANY DESCRIPTION

(Activity description, main markets, strategic alliances, competitive position, share (%) of turnover due to exports, R&D resources and investment, partnerships with other companies or research organization, previous relationship with Taiwanese national R&D institutions, etc)

(The minimum information to show the potential of your company)

PhaseTech is a Taiwan company founded in 2019, composed of a passionate team dedicated to marine technology, data science, and software engineering. The company specializes in the development of intelligent systems for fisheries monitoring, vessel tracking, marine GIS visualization, and ocean IoT integration.

Our core products and services include the DeepSea9 vessel monitoring system, AIS and VDR-based route and activity analysis, electronic monitoring (EM) systems with AI-powered image recognition, and real-time 3D marine GIS solutions built with CesiumJS. These technologies support national and international agencies in maritime governance, resource assessment, and sustainable ocean management.

We have established strong partnerships with government agencies in Taiwan, including the Fisheries Agency, the Ocean Conservation Administration, and the Coastal Surveillance and Reconnaissance Directorate General of the Coast Guard Administration. In addition, we have collaborated with international organizations such as Global Fishing Watch (GFW) on projects related to vessel activity analysis and global fisheries transparency. These organizations have worked with us or adopted our systems in projects supporting marine conservation, compliance, and policy development.

Our team is composed of experienced engineers, developers, and marine data specialists. We continuously invest in talent and technology to enhance our software platforms and research capabilities. Our efforts have been recognized through several national and international awards, including the Future Tech Award and the IEEE ECICE Best Paper Award, for our innovations in AI-driven fisheries analytics and real-time marine GIS systems.

Phase aims to be a strategic partner in advancing digital transformation in marine management. With a proven record in system integration, real-time data analysis, and cross-agency collaboration, we are actively seeking partnerships with companies, research institutions, and government agencies committed to ocean sustainability and technological innovation.

YOUR COMPANY PRODUCTS

(Technologies, applications, services, previous R&D projects, etc)

(The minimum information to show the potential of your company)

PhaseTech develops integrated technologies and services for marine resource management, with a focus on vessel monitoring, fisheries analytics, and ocean data visualization. Our flagship product, DeepSea9, is a vessel monitoring and management system designed to support regulatory agencies in tracking and analyzing fishing activities.

We offer electronic monitoring (EM) systems that automate fish species counting and provide estimates of fishing crew working hours, enhancing compliance and management of fisheries. Our AIS and VDR-based analysis platforms use machine learning to identify vessel behavior, operational patterns, and fishing grounds. For spatial applications, we provide real-time 3D marine GIS platforms built with CesiumJS, enabling dynamic visualization of maritime activities and resources.

Previous R&D projects include collaborations on offshore wind farm navigation impact analysis, drifting gear recognition using AIS signals, high-resolution global catch estimation for distant water fisheries, and AIS-based hotspot activity analysis to identify areas of concentrated fishing efforts.

COLLABORATIVE R&D PROJECT PROPOSAL

(Describe as precisely as possible the technology cooperation proposal and your main motivation, describe what you have to offer and what you expect from your potential partner from a technical point of view and from a commercial point of view, describe the profile of the company that you request, describe if you have previous contact with companies, additional comments)

COLLABORATIVE R&D PROJECT PROPOSAL

PhaseTech is keen to explore the possibility of participating in the Taiwan-Spain Innovation R&D Subsidy Program and collaborate with the Spanish government and its agencies in the development of Electronic Monitoring Systems (EMS) for fisheries and ocean management.

Motivation

Our primary motivation for pursuing this collaboration is to secure funding and support through the Taiwan-Spain Innovation R&D Subsidy Program, which offers valuable resources to accelerate the development of advanced marine technologies. This financial support from the Ministry of Economic Affairs will allow us to further enhance our systems and capabilities, while also exploring new business opportunities.

While we are not yet fully familiar with all the technological advancements available in Spain, we recognize the potential for valuable collaboration in the marine and fisheries sectors. By working together, we aim to leverage each other’s strengths to jointly develop innovative solutions that can drive both technological advancements and commercial success.

Targeted PARTNERS in Europe

(if you know a potential company, write its name and contact details in this section. We will try to contact them to evaluate their willingness to meet with you)

We are open to collaborating with relevant companies in Europe specializing in marine technologies, fisheries monitoring systems, and sustainable ocean management.