

Request for Proposals (RFP)

Operation of “Hellenic AIT Facility”

Date of Issue: 18/2/2024

Contents

1. Introduction & Scope.....	3
2. Hellenic AIT Facility	4
Facility Architecture	4
Primary Testing Equipment	4
Secondary Equipment.....	5
3. Requirements	6
Scope.....	6
Industrial Heritage	6
Business Plan	6
Investment Plan	6
Industrial Organization	6
Length	6
4. Submission & Evaluation	7
Submission deadline.....	7
Submission coordinate	7
Clarifications	7

1. Introduction & Scope

Greece under the Recovery and Resilience Fund and Greece 2.0 initiative has launched an ambitious space programme titled “Greek National Micro-Satellite Programme” aiming to strengthen its space capabilities and bring the country in the forefront of the European space activity. One of the involved projects is the “Hellenic AIT Facility” (HAITF) which has kicked – off under the industrial leadership of Hellenic Aerospace Industries and the technical supervision of the European Space Agency.

The HAITF project aims to create a modern Assembly, Integration & Test infrastructure in Greece focused on the environmental testing of mini and micro satellites under 1tn¹. This much needed infrastructure will significantly boost the national space capacity and provide a cornerstone for the further development of the vibrant Greek space ecosystem. The project is in design phase and is expected to be completed in the first half of 2026.

The General Secretariat of Telecommunications and Post of the Ministry of Digital Governance is the competent authority for space matters in Greece and the responsible authority for the “Greek National Micro-Satellite Programme”. The Secretariat has mandated the Hellenic Space Center to develop and implement the national space policy, strategy and plan. HSC is also assisting the Secretariat in technical matters that pertain to the “Greek National Micro-Satellite Programme”.

The General Secretariat of Telecommunications and Post in collaboration with the Hellenic Space Center and the Hellenic Aerospace Industries are launching this RFP to determine the optimal way forward in the operation of the finished facility. The operation of “HAITF” will need to embrace the future national space activity and at the same time build a strong commercial activity that will ensure the lasting sustainability of the facility.

¹ This is the maximum weight of DUT that can be accommodated in the facility for integration and limited tests. Full testing capability is for DUT <500kg.

2. Hellenic AIT Facility

The “Hellenic AIT Facility” project has started in 2023 between the European Space Agency and Hellenic Aerospace Industries at the request of the Ministry of Digital Governance with the aim of creating a modern AIT facility in Greece focused on space activities. The facility has begun its design process with the requirement to have the capability to test micro-satellites up to 500kg. The allocated budget for the project is 5.1m€ and the facility will need to be delivered by August 2026.

Facility Architecture

The facility has been designed to include 375sq.m. of clean room area following ISO14644 Class 8 along with several auxiliary utility areas. The facility will be hosted within the premises of the Hellenic Aerospace Industries in Schimatari, Viotia, Greece. Specifically, the design of the facility includes:

- 375sq.m. of clean room area with 5tn crane²
- Utility room to host chiller, boiler room, diesel generator, ups etc.
- Storage room
- Office area
- LN2 Storage Plant
- Loading Bay
- Check-out room
- Airlock area

Primary Testing Equipment

The facility has been designed to host the two primary pieces of equipment for environmental testing in clean room condition: TVAC and shaker. The primary equipment has long lead times of over 1 year for delivery, hence a decision has been made since the beginning of the project to start the procurement process. The facilities are designed to include the following type of equipment:

- **TVAC** - Thermal Vacuum Chamber HVT3500 -193110 GN2/LN2 1.8m diameter made by Angelantoni Test Technologies S.r.l (ACS)
- **Shaker** - Water Cooled Shaker K125 kN

More indicative information is available upon request.

² Updated with most recent specification.

Secondary Equipment

Apart from the primary testing equipment that was described in the previous section, a variety of additional equipment is intended to be procured for the project. These include either mandatory equipment that will be required for the operation of the primary equipment and the facility in general or additional testing equipment with shorter lead times. More detail is given on the table below:

Table 1: Secondary Equipment

Necessary Equipment to be procured	Additional Testing Facilities
Measurement Acquisition Equipment - TVAC	Mass Properties Facility
Measurement Acquisition Equipment - Shaker	APTC – Climatic Chamber
Crane 5tn	Small TVAC ³
LN2 Facility	Small Shaker
Other utilitarian equipment	Portable ISO5 tent
Other portable material	Shock Bench

It is intended that the facility will include the majority of the additional testing equipment that is described here pending on the final business plan and commercialization analysis of the facility. Additional equipment can be considered in the proposal. Ownership of all procured equipment remains at the Ministry of Digital Governance under the current terms of the activity.

³ Procurement for measurement acquisition equipment for TVAC and shaker and the Small TVAC systems are underway.

3. Requirements

The submitted proposal will need to consider the following:

Scope

The proposal will need to demonstrate how the “HAITF” will be sustainably operated and managed to fulfil its purpose as a national infrastructure for space AIT in Greece.

Industrial Heritage

The consortium will need to demonstrate a clear industrial heritage in AIT activities.

Business Plan

The proposal will need to include a comprehensive business plan of the proposed activity, including expected revenues and operating expenses of each proposal.

Investment Plan

The proposal will need to include a comprehensive investment plan of the proposed activity.

Industrial Organization

The proposal will need to demonstrate a clear and concise industrial organization of the activity.

Length

The proposal will need to consider at least 10 years of operation.

4. Submission & Evaluation

Submission deadline

Please submit your responses by 10/3/2025.

Submission coordinate

RFP responses shall be submitted in physical copy mailed to the following address, as well as electronic copy emailed to the below email address:

MINISTRY OF DIGITAL GOVERNANCE

General Secretariat of Telecommunications & Post

11 Fragoudi Str. & Al.Pantou

10163 ATHENS

TEL:210 9098900-903

E-MAIL: ggtt@mindigital.gr (please begin the email subject with [RFP-HAITF])

Clarifications

For questions and clarifications of any kind please contact Mr. Manolis Mylonakis, Space Systems – Scientific Officer, Hellenic Space Center, manolis.mylonakis@hsc.gov.gr (please begin the email subject with [RFP-HAITF]).