



**Position:** Ground Station Engineer  
**Ref No.:** GSE-05  
**Category:** Full-time employment  
**Location:** ERATOSTHENES Centre of Excellence, Limassol Cyprus

The ERATOSTHENES Centre of Excellence (ECoE) ([www.eratosthenes.org.cy](http://www.eratosthenes.org.cy)) of the Cyprus University of Technology ([www.cut.ac.cy](http://www.cut.ac.cy)) is seeking a Ground Station Engineer to join its fast-growing team of passionate and enthusiastic professionals. This position is open on full-time (100%) or part-time basis.

This position is advertised globally within the framework of the EU-H2020 “EXCELSIOR” (Excellence Research Centre for Earth Surveillance and Space-Based Monitoring of the Environment; <https://excelsior2020.eu/>; TEAMING Grant no. 857510). Through this project, the Cyprus University of Technology is establishing the ERATOSTHENES Centre of Excellence in Space Technology, Earth Observation and Geospatial Technology in the EMMENA (Eastern Mediterranean Middle East North Africa) region, in cooperation with the Department of Electronic Communications (DEC) from the Deputy Ministry of Research, Innovation and Digital Policy (Cyprus) and with EU advanced Partners the German Aerospace Centre (DLR, Germany), TROPOS (Germany) and the National Observatory of Athens (NOA-Greece).

The ECoE is an autonomous Centre of Excellence with Cyprus University of Technology (CUT) as its sole stakeholder aiming to become a viable, sustainable Centre of Excellence in earth observation, space technology and geospatial analysis. CUT has a 13-year experience in earth observations and geospatial analysis. Through the ‘EXCELSIOR’ H2020 Teaming Project (2019-2026) the ERATOSTHENES CoE also aspires to become an excellent Digital Innovation Hub for Earth Observation and Geospatial Information by offering education, responsible research, open innovation and application services capable of sustaining Cyprus’s development. The ERATOSTHENES CoE aspires to actively contribute to the European Research Area (ERA) priorities in Atmosphere and Climate, Resilient Societies and Big Earth Data Analytics, as well as to become the reference Earth Observation/Geoinformation Centre for research and innovation in the Eastern Mediterranean, Middle East and North Africa (EMMENA) region.

One of the targets of the ERATOSTHENES Centre of Excellence (ECoE) is to establish a data acquisition ground station (DAS), able to directly receive data from various Earth observation

satellite systems. The DAS comprises at least a parabolic dish and fully-moveable mount in order to track orbiting satellites, the appropriate HF electronics to acquire and transfer baseband data received in various bands (e.g., S, X, Ka), data recording and digital data processing electronics and ITs, Systems incl. network connection to transfer data to various partners. Partners may also use the DAS for their purposes and/or might establish their own station nearby (i.e., Data Acquisition Station Hosting; DASH). The DAS and DASH need to be operated in a 24/7 environment guaranteeing safety and uninterrupted supply of power and network capacity. ECoE is going to look for appropriate sites and site hosting partners in Cyprus to establish DAS and DASH.

The person to be appointed to this position will be in charge as a station manager and engineer for DAS and DASH, with the duties and responsibilities described thereafter. The employment is limited to five years with an option for further employment given a successful EXCELSIOR project. Initial contract will be for two years with an option for renewal.

### **Main Duties and Responsibilities**

1. Lead the specification and requirements definition activities;
2. Contribute to procurement and follow-up the contractor's development activities;
3. Lead the installation and maintenance of the DAS in Cyprus.
4. Follow-up the Assembly, Integration and Tests of new DAS procured from industry, and lead on site acceptance testing;
5. Define the operations and maintenance plan of DAS and be the primary point of contact for all technical matters for the site hosting partner
6. Define and validate, with ground segment, system development and operations teams, an adequate transition plan from ground station acceptance to entry into operations, including contributions to relevant ground segment and system Integration Verification and Validation tests;
7. Integrate and test all HF electronics and IT systems (incl. hard -and software), required to operate the DAS and acquire mission data from specific EO systems
8. Any other relevant duties deemed necessary.

### **Qualifications, Experience and Skills**

1. A degree or Master in Communications Engineering, Electrical Engineering, or any other related field.
2. Extensive knowledge in Technical Infrastructure Support, design and operations of Ground Receiving Stations.
3. Experience in managing employees and contractors in the delivery of reactive maintenance or a planned maintenance provision.
4. Proven experience in ground stations engineering following well established system engineering processes covering the full development lifecycle, and relevant technical standards.
5. Competence and in-field proven experience in the area of Ground Stations Assembly Integration and Test and integration of ground stations into ground segment and end-to-end satellite systems.

6. Knowledge and experience in computing systems and data processors, incl integration and test of software.
7. Experience in ground stations maintenance.
8. Understanding and experience in the management of industrial contracts in the area of ground stations engineering or development will be considered an advantage.
9. Have demonstrable experience of managing varied workloads and conflicting priorities
10. At least 5 years of experience in a position with similar responsibilities including experience in procurement.
11. A current car driving license.

### **Profile and Personal Attributes**

1. Commitment to equal opportunities and to harmonious collaboration with colleagues, associates and affiliates of all cultures and background.
2. Exercise of leadership and preparedness to promote team work.
3. Excellent problem solver and communicator within the organisation, as well as with other public and private organisations.
4. Highly organised and able to prioritise tasks, schedule activities effectively and optimize ways to deliver the expected results in time.
5. Ability to manage planning and execution of projects under pressure and deadlines.
6. Good language skills in English (conversation, reading, writing).
7. Able to facilitate activities across a diverse range of people can work well in a team structure.
8. Ability to travel abroad internationally.
9. Expected to be capable of serving as a trusted advisor to the competent bodies of the ERATOSTHENES Centre of Excellence in the areas of his/her expertise.
10. Ability to exercise tact and discretion and to display a professional attitude towards colleagues, associates, affiliates and others.
11. A commitment to continuous professional development activities to keep the knowledge base and skills up-to-date, and to develop them further.
12. Promote ERATOSTHENES Centre of Excellence's values and objectives to colleagues and external counterparts.
13. Ability to present at the Policy, Strategic and Executive levels of the Centre.
14. Ideal candidates for the position should be conspicuously passionate about the mission of the ERATOSTHENES Centre of Excellence; poised and confident with executive presence; manifest leadership, professionalism, and interpersonal skills.
15. Adherence to National and European legal environments.
16. Physical presence in the designated area of employment of the Centre in Cyprus.

### **Benefits**

An attractive remuneration package will be offered to the successful candidate according to qualifications and experience.

## Submission and Treatment of Application

Interested candidates must submit their application comprising of all documents listed below via email to [vacancies@eratosthenes.org.cy](mailto:vacancies@eratosthenes.org.cy), conspicuously entering in the subject line: **“Application for Position: Ground Station Engineer”**

1. Cover letter clearly specifying availability date for full-time or part-time employment.
2. Detailed *Curriculum Vitae* (including contact details)
3. A document (3-5 pages) on a topic to be selected by the candidate.
4. Scanned or electronic copies of degree certificates and relevant qualifications. True copies of the originals will be requested for the shortlisted candidates.
5. Full contact details (including postal and email addresses) of three referees. For the short-listed candidates, the referees will be asked to submit Letters of Reference.

If you have previously applied for any position at ERATOSTHENES Centre of Excellence, a new application is required.

**Deadline for submitting the application: no later than Monday 21 December 2020 at 14.00 CYP.TIME**

Review of applications will begin immediately after this deadline and all applicants will be notified accordingly.

For general inquiries, applicants may contact the ERATOSTHENES Centre of Excellence, at [vacancies@eratosthenes.org.cy](mailto:vacancies@eratosthenes.org.cy)

It is noted that:

- For non-EU applicants a work permit will be required.
- Applications will be treated in strict confidence. All information provided will comply with the General Data Protection Regulation (GDPR) of the European Union.
- The job requires that the Ground-Based Remote-Sensing Station (GBS) Engineer is or becomes a resident in the area of employment.
- The ERATOSTHENES CoE adopts an equal opportunity policy at recruitment and the subsequent career stages and encourages both genders to submit an application for all levels of Academic, Administrative and Technical Staff.
- The ERATOSTHENES CoE does not discriminate in any way on the basis of gender, religion or belief, ethnic, national or social origin, age, physical ability, marital status and sexual orientation.

The employment of the successful candidate will start upon approval of the contract amendment for including ERATOSTHENES CoE as a new partner in the 'EXCELSIOR' H2020 consortium.

## CONSORTIUM



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