



Position: Ground Infrastructure Service Engineer
Ref No.: ERA-GISE-47
Category: Full-time or part-time employment
Location: ERATOSTHENES Centre of Excellence, Limassol Cyprus

ONE (1) POSITION OF GROUND INFRASTRUCTURE SERVICE ENGINEER

ERATOSTHENES Centre of Excellence (www.eratosthenes.org.cy) of Cyprus University of Technology (www.cut.ac.cy) invites applications for one (1) position of Ground Infrastructure Service Engineer AT ERATOSTHENES Centre of Excellence. The position is open either on a full-time (100%) or part-time employment basis. The successful candidate will perform duties under multiple Eratosthenes Centre of Excellence projects funded by the European Union, including the flagship Excelsior H2020 Teaming project (<https://excelsior2020.eu/>).

ERATOSTHENES Centre of Excellence is an autonomous Centre of Excellence with Cyprus University of Technology as its sole stakeholder, specialising in earth observation, space technology and geospatial analysis. Cyprus University of Technology has a 13-year experience in earth observations and geospatial analysis. Through the "EXCELSIOR" H2020 Teaming Project (<https://excelsior2020.eu/>), ERATOSTHENES Centre of Excellence aspires to become a Digital Innovation Hub for Earth Observation and Geospatial Information by offering knowledge, responsible research, open innovation and application services capable of sustaining Cyprus' development. ERATOSTHENES Centre of Excellence 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.

A core activity of ERATOSTHENES Centre of Excellence is to conduct high caliber, state-of-the-art research, both basic and applied. A central task is to acquire research funding for the Centre, to provide facilities to the researchers, and to support them to acquire funding for their research independently and via international and local collaborations. Collaborations with industrial partners are particularly encouraged and facilitated.

Appropriate measures of success will be collaboratively determined based on the Centre's strategic growth plan and sustainability targets. These will be revised periodically by the Executive Committee and the Board of Directors.

ERATOSTHENES Centre of Excellence is currently in the process of acquiring, and operating, among other, two critical infrastructures which need to be operated in a 24/7 environment:

- A Ground-Based Remote-Sensing Station (GBS) for profiling of aerosols and clouds to be established at the ERATOSTHENES Centre of Excellence, in Limassol, Cyprus. The station will consist of a ground-based Raman lidar, cloud radar, microwave radiometer, Doppler lidar and photometer systems installed in two 20-foot containers. The GBS will conduct continuous profiling of atmospheric parameters (aerosol, clouds, precipitation) above Limassol, Cyprus.
- A Data Acquisition Station (DAS), capable to directly receive data from various Earth observation satellite systems. The DAS comprises among other of a parabolic dish and a fully moveable mount in order to track orbiting satellites, the appropriate electronics to acquire and transfer baseband data received in various bands, data recording and digital data processing electronics and IT Systems including network connections to transfer data. The system will be established within CYTA's Makarios Teleport.

Description of the Position

This position concerns University graduates with a degree in Electrical Engineering, Electronic Engineering, Communications Engineering or relevant subject in combination with a Master's Degree in Electrical and/or Electronic Engineering. The person appointed to this position will be assigned duties targeting the smooth operation of the GBS, DAS and other infrastructure.

Duties and Responsibilities

- Contribute to the definition of specifications and requirements of equipment;
- Assist in the procurement of equipment and follow-up the contractor's activities;
- Attending the installation, integration, testing and maintenance of the Centre's infrastructure;
- Define the operation and maintenance plans for equipment;
- 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;
- Integrate and test all electronics and IT systems, required to operate the DAS and acquire mission data from specific EO systems;
- Ensuring continuous operation of the GBS together with the GBS team.
- Managing data flow from equipment to central data hub.
- Managing installation maintenance and calibration of GBS equipment including communication with manufacturers;
- Regular screening, maintenance and quality control of the instruments;
- Coordinate or assist station packing, transport and unpacking;
- Participate in workshops and training seminars;
- Manual preparation and training of team members in the use and operation of infrastructure;
- Any other relevant duties deemed necessary.

Qualifications

- A University degree in Electrical Engineering, Electronic Engineering, Communications Engineering, or relevant subject, in combination with a Master's Degree in Electrical and/or Electronic Engineering;
- Extensive knowledge in Technical Infrastructure Support, design and operations of Ground Receiving Stations;
- Experience in managing employees and contractors in the delivery of reactive maintenance or planned maintenance provision;
- Proven experience in ground stations engineering following well established system engineering processes covering the full development lifecycle, and relevant technical standards;
- Competence and in-field proven experience in the area of Ground Stations assembly, integration and testing of ground stations into ground segment and end-to-end satellite systems;
- Interest in atmospheric research and atmospheric processes in the Mediterranean region;
- Demonstrable experience in managing varied workloads and conflicting priorities;
- A current car driving license;
- Excellent knowledge of English both verbal and in writing.

The appointment will be for a period of one year (12 months) with the prospect of renewal for another one year. All appointments are subject to completion of a probation period of six (6) months.

The annual gross salary for the (full-time) position will range from €25468.08 to €52908.42, depending on qualifications and experience. It is noted that there is provision for 13th salary (the cost of the 13th salary is proportionally incorporated in the monthly remuneration).

Interested candidates must submit their application comprising of all documents listed below via email to vacancies@eratosthenes.org.cy, entering in the subject line: “*Application for Ground Infrastructure Service Engineer - ERA-GISE-47*” no later than **20 June 2023 at 14.00 CYPRUS TIME, which is the deadline for the submission of the applications.**

1. A letter in English stating the applicant's interests and abilities in relation to the job announcement, as well as the date on which he/she can undertake responsibilities in case of appointment;
2. *Curriculum vitae* in English;
3. List of any publications in English;
4. Copies of the candidate's degree certificates;
5. Contact details;

6. Names and contact details of at least three referees, who in case of appointment, maybe asked to send their reference letters directly to ERATOSTHENES Centre of Excellence. Additional reference letters from independent referees may be requested by the competent bodies, if considered necessary.

For further information visit ERATOSTHENES Centre of Excellence webpage at <http://www.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 employee is physically present at the Centre's premises and preferably becomes a resident in the area of employment;
- ERATOSTHENES Centre of Excellence is an equal opportunity employer;
- ERATOSTHENES Centre of Excellence 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 title of the position may be modified.



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