



JOB OFFER

ESSP, a private company with 7 major European Air Navigation Service Providers as shareholders, manages the operation and supports the adoption of the European Satellite Based Augmentation System to GPS: EGNOS.

ESSP Corporate Video: <https://www.youtube.com/watch?v=ojO8TAitQoc>

The adoption of this service is rapidly growing given it allows correcting the GPS signal and offers enhanced features with accurate positioning and integrity within safety-of-life services context such as public transportation.

ESSP Website: <https://www.essp-sas.eu/careers/>

ESSP recruits a:

GNSS Performance and tools Engineer - (F/M)

The GNSS Performance Engineer is responsible for the management and maintenance of SBAS (Satellite Based Augmentation Systems) and GNSS (Global Navigation Satellite System) performance analysis tools. She/He monitoring and analyse the EGNOS Signal in Space performance anomalies. She/He contributes to the ICAO (International Civil Aviation Organisation) Space Weather service as on duty forecaster.

The GNSS Performance and tools Engineer is responsible for:

EGNOS SIS and performance monitoring:

- Maintenance in operational conditions of GNSS Signals collection, archiving and processing chain (including Radio Frequency and Software aspects) and keeping relevant document up to date.
- Provision of technical support to ESSP IT department regarding the integrity and availability of GNSS data (rinex, ionex, SP3...)
- Monitoring of the EGNOS signal performances including the characterization, analysis and reporting of observed degradations of GNSS signals;
- Responsible on the integration and exploitation of GNSS internal and procured software within the Engineering/Performance team (Pegasus, STK, RTKLib)
- Provision of technical reports addressing underperformance events or EGNOS SIS related studies.
- Coordination with other company departments and coordination within the other teams of the Engineering department when needed.

ICAO Space weather service provision:

- Space weather condition monitoring (forecaster role) in the frame of ICAO Space Weather service.
- Contribution to Technical analysis and data processing combining both GNSS and Space weather aspects.



PROFILE

Generic Skills:

- Strong autonomy and rigor
- Team worker and good coordinator
- Ability to assume responsibilities and initiative
- Good communication, synthesis and reporting skills
- Good level of English (B2) – CEFR

Specific Skills:

- Strong background on GNSS technologies, standards, signal processing and SBAS architectures
- Solid experience in software development and data processing techniques in the GNSS field (Matlab/Python)
- Knowledge of space systems operations and real time service delivery.

Job Requirements:

For Space Weather service with ICAO:

- Available for work starting on 06 UTC for supporting ACFJ (Australia-Canada-France-Japan) Consortium internal handover (about 20 days per year),
- Available for on-call duty (daytime work) during weekends and public holidays (10 to 15 days per year).

Engineer degree or equivalent.

More than 5 years of relevant experience on EGNOS System in SBAS/GNSS domain

Experience in international project (European)

Please send your application file only by e-mail to the following address: recrut@essp-sas.eu

Job Location: Toulouse (France)

Type of Contract: Full time/Permanent contract

ESSP is committed to cultural diversity, gender equality and the employment of disabled workers.

