**TPZ VEGA UK Ltd JOB DESCRIPTION**

# Remote Sensing Expert (Atmospheric) [J3085]

# Summary

A remote sensing expert with experience of manipulating / processing satellite Earth Observation data, to generate scientific results.

# Objective

To contribute to science-based services and system developments for national and international, based EO programmes.

# Responsibilities / Duties

* Support services to ESA for Earth Explorer and third party missions (particular focus on data quality)
* Support software engineers to understand and develop processing systems for EO data (e.g. level ‘1’ to level ‘2’ and ‘level 3’ processing)
* Interact with expert customers on mission data issues
* Occasional travel to customer sites (South East UK; Rome)
* Contribute to technical proposal authoring, to win new work

# Qualifications / Experience

* Relevant post-graduate degree or equivalent experience
* Experience of full programme lifecycle, from initial expression of need to final results delivery
* Experience of working with atmospheric sensing data (passive and/or active)
* Creating tools for remote sensing data manipulation

# Essential Skills

* Understanding of EO data processing levels
* Understanding of instrument calibration principles (e.g. geometric, radiometric, spectral, etc)
* Python development
* Data handling and manipulation
* Technical document authoring

# Desirable Skills

* General knowledge of satellite systems
* Programming for Scientific / Mathematical applications
* Understanding of meteorological / climate systems is an advantage
* Publishing and presentation to scientific / engineering audiences
* Responding to competitive funding calls
* Knowledge of LIDAR and/or profiling radars an advantage

# Qualities

* Comfortable in a (scientific) customer facing role
* Self-motivated and creative individual, actively seeking opportunities for the business
* Positive, “can-do” approach
* Willingness to adapt role to meet current needs
* Encouraging and supportive of team co-workers

# Further Details

All roles within Telespazio VEGA have a defined closing date, however if a successful candidate is found before the advert expires the role will be closed early. We would therefore advise any candidate to apply as early as possible to avoid disappointment.

Location of the position is Luton

# Benefits

Competitive salary plus a comprehensive benefits package including holiday, life assurance and a contributory pension scheme are offered to the successful candidate

# Security

*In line with Asylum & Immigration Legislation, all applicants must be eligible to live and work in the EU. Documented evidence of eligibility will be required from candidates as part of the recruitment process. Furthermore, in view of the nature of the work the company is in, all potential employees will undergo stringent reference and identity checks.*