

Remote Sensing and GIS Consultant

Contract Period: 1st Feb 2011 – 30th October 2012



Environment Systems require a Remote Sensing and GIS Consultant based in our Aberystwyth office to provide support to the Project Manager of a highly innovative venture utilising airborne captured imagery. Environment Systems are responsible for utilising the imagery captured in both multi and hyperspectral formats for the development of derived data products in areas such as agriculture, forestry and land cover.

Environment Systems provides leading edge consultancy and services in environmental and geographic information intelligence. We specialise in the development and use of information in the environment, agriculture, land and property sectors.

Environment Systems core technical activities are in consultancy, services and research for; establishment of ecological baselines and benchmarks; agri-environment monitoring; development of ecosystem models and tools; land management research; application of the evidence base to current UK and EU policy. These core skills are underpinned with expertise in; GIS management and data capture; aerial and satellite image classification; training.

The company has a strong track record with government and corporate organisations across the UK and the rest of Europe.

Requirements:

- Expertise in remote sensing software platforms such as ENVI and Erdas Imagine.
- The ability to interpret and process a variety of remotely sensed data products (Multispectral and Hyperspectral). This includes full geometric, radiometric and atmospheric corrections.
- Experience in the creation of elevation datasets using photogrammetric processes is desirable.
- Experience in various image classification processes. Familiarity in the use of eCognition would be preferential.
- Experience of batch processing using programming languages such as python would be useful.
- Knowledge of UK land cover and land use, including agricultural crops would be beneficial.
- Experience of using data from airborne aerial systems is desirable.
- Knowledge of Geoinformatics.
- Good numeracy skills and use of software packages such as SPSS or similar.
- Ability to work as part of a team.
- Excellent verbal and written communication skills.

Desired Qualifications:

- Masters degree in a Geographical, Remote Sensing or GIS related discipline.
- At least two years proven experience using remote sensing applications.

Duties include:

- Interpretation and processing of the acquired imagery and the undertaking of classification processes within eCognition.
- Creation of detailed elevation models using the acquired data.
- Work with the project manager to develop image processing and classification methods.
- Work with the project manager to advise on implementation opportunities and issues, and in the development of data products.
- Work with the senior environment team as necessary.

Application is by CV and covering letter, stating qualifications and relevant experience.

Applications to be submitted to Sarah Bowen, Team Administrator, via email to sarah.bowen@envsys.co.uk.

Salary package including annual leave will be negotiated on the basis of qualifications and experience.

Deadline for application: **5pm Tuesday 21st December 2010**

Interviews will commence in early January 2011.

You are only eligible to apply for this position if you hold a passport from an EU country, or you possess a valid UK work visa. No agencies please.