

### Gas Microwave Spectroscopy

We are interested in connecting with researchers, institutes and companies working in the area of microwaves, with a view to investigating their applicability for commercial gas spectroscopy applications. Whilst microwave has established applications in point-to-point communications, satellite and spacecraft communication and microwave ovens amongst others, it is their applicability outside these markets that is most of interest.

Our client has a particular interest in the following technology areas relating to **gas microwave spectroscopy**:-

- **Microwave and millimetre-wave systems (e.g. used for short range radar such as collision avoidance systems)**
- **Engineering of metamaterials for electromagnetic applications**
- **Up-down mixer**
- **Multiplexer and mixer technologies currently used in automotive applications**
- **Innovative mixer design and development**
- **Compact cone and horn design**
- **Very low cost microwave systems**
- **Reduced size microwave systems**
- **Military technology that can be developed further**
- **Microwave metrology (but not relating to communications / standards)**

Our client is an established company in the spectroscopy field and is keen to identify potential suppliers of appropriate products, in addition to companies, institutions or individuals with relevant technology and research in this area. They wish to engage with appropriate partners, enabling the introduction of improved performance products to the market. The client has a particular interest in engaging with organisations that have an interest in licensing their mixer technology outside existing automotive applications.

We are interested in receiving information on potential suppliers and researchers working in the above areas.

Further information on any opportunity or potential contact for this search should be sent to Vicki O'Brien, Director ([vicki@strategicallies.co.uk](mailto:vicki@strategicallies.co.uk))