

# RF and Radar System Test Engineer

Ref: MS-JDS-RSE-201804

**Title:** RF and Radar System Test Engineer

**Reports to:** Project manager and Director

**Based at:** MetaSensing BV, Noordwijk ZH, The Netherlands.

**Job purpose:** Sub-systems testing and radar sensor assembly verification and validation

**Job duties:**

- Lead the RF test efforts for current, developmental and future radars
- Test the RF sub-systems in conjunction with radar digital back-end (AWG/ADC cards)
- Generate test plans, verification procedures, developing and adapting analysis tools in Matlab
- Support the installation and checkout of radar mission data and test scenarios
- Requirement analysis, data analysis and compliance verification
- Radar system integration and test in the lab and in operational scenarios
- Documentation of the results in a test report

**Required skills and qualifications:**

- Master degree in telecommunication engineering
- Strong knowledge of RF and microwave engineering
- Lab experience using diagnostic equipment e.g. spectrum analyser, oscilloscope, network analyser, frequency synthesiser
- Capability of handling test HW (power supply, wiring, multimeter)
- Good knowledge of basic radar digital signal processing techniques
- Programming experience in MATLAB
- Ability to think logically and to decompose a problem into its component parts for troubleshooting
- Good knowledge of the English language for the working environment
- Good communication and team-working skills
- Willingness to travel

## **Desired skills**

- 3+ years of experience in the field
- Basic understanding of radar system principles
- Experience in radar systems test environments, and in development of test scripts
- Experience with design and test of RF systems
- Knowledge of antenna fundamentals and operation (design would be an asset)
- Data visualization/data analysis for logged data (Matlab) experience

## **Employment duration:**

The employment has a standard duration of two years with possibility of extension. The starting date will be agreed with the candidate, early starting date is desired.

## **Company description:**

MetaSensing is an innovative Dutch remote sensing company founded in 2008 with the aim of commercializing its novel, compact, high resolution radar imaging technology.

In just a few years, MetaSensing has acquired numerous successful airborne radar campaigns completed at the Ku, X, C, S, L and P frequency bands, and developed ground-based radar systems for different applications.

Today MetaSensing is one of the unique companies in the world which offer cost effective airborne and ground-based radar sensors and services both for commercial and scientific applications.

Combination of innovative technology and advanced processing techniques has made MetaSensing the fast growing, global company with projects in Europe, South East Asia, Middle East, Canada, United States, Africa and South America.

If interested, please send an email with your CV and cover letter to [info@metasensing.com](mailto:info@metasensing.com) with subject Ref: MS-JDS-RSE-201804.

Noordwijk, 19/04/2018