

**WE FOCUS
ON DIGITAL
TECHNOLOGY**

DND
Digital

Radio-Laboratory Engineer

■ Location: Berlin

■ Permanent employment

■ Full time job

The Dynamit Nobel Defence GmbH is a medium-sized system manufacturer of high technology for military use. Under the brand „DND Digital“, we extend the portfolio towards digital solutions for tactical communications and C4ISTAR-services. A goal of this new business-unit is to provide the necessary hardware together with intelligent service building-blocks for digitization of military operations.

You will be part of the recently started radio-development group in Berlin. We are a young and (still) small team located in Moabit with excellent connection to public transport, combining startup flavor with the advantages of a traditional company.

The challenge:

Software-defined radio-based solutions are an integral building block for the future digitization of military radio equipment. Development and adaptation of SDR-based radio solutions for the German and European market requires intense testing, verification and validation of the developed solutions during the whole life cycle. In the early development stages the necessary measurements will mainly be performed in our lab, but in later stages, realistic field trials are also required.

Your specific tasks:

- Prepare and perform measurements and verification tests for SDR based radio devices
- Writing of measurement related scripts, e.g. for signal generation, analysis or evaluation.
- Documentation of performance verifications and measurements
- Preparation and conduct of demonstrations either in our lab, at customers site or at exhibitions
- Development of new methods and methodologies for measurements and verification tests

Your skills:

- 3-5 years work experience in a lab with radio-frequency equipment focusing on verification and measurement of performance of radio frequency devices and systems, including the operation of. e.g. Signal generator, signal/spectrum analyzer
- Electrical engineering with focus on wireless communications
- Programming of test routines for radio-frequency measurements
- Ideally, experience with SDR radio devices in UHF/VHF up to S-Band
- Programming of MATLAB and C/C++ or similar languages
- Software-defined radio (SDR) programming
- Experience with version control, ideally Gitlab
- Good to very good handling with Microsoft office
- Radio-frequency (RF) engineering, ideally on measurements
- English and German: Fluent in word and writing

Our contribution:

- Customer and target-oriented working in a flat hierarchy
- Fully equipped radio laboratory for measurements and testing of radio devices
- Gitlab based planning and structured working
- Start-up like environment with high degrees of freedom
- A professional and experienced team that is excited to be part of the military digital transformation
- Qualification and personal development
- Flexible working-time modell, e.g. mobile working

