



# TUSK IC

## RF/mmWave ASIC designer

### Work environment

Tusk IC is a leading fabless RF & millimeter wave (mmWave) IC design company, located in Antwerp, Belgium. Founded in 2018 as a spin-off from the KU Leuven, it is a growing start-up at the leading edge of mmWave technology. We have an international team and value collaboration, clear communication and technical excellence.

With 5G, 60GHz communication, imaging and self-driving cars all relying on mmWave to break through, Tusk IC provides state-of-the-art designs for integrated circuits from 10GHz to 300GHz and beyond in CMOS and SiGe technologies.

Come and join us in surfing the mmWaves!

### Position description

As RF/mmWave ASIC designer, your focus will be to strengthen and complement our existing team of designers. You will work on development and implementation of state-of-the-art ASICs for the next generation of mmWave products, including design, layout, simulation, package design and measurement. We will provide hands-on training in the dark arts of RF/mmWave design by our expert team of designers.

You will become a core member of our design team with a big impact on the technical decisions.

### Responsibilities and challenges

- Circuit design and simulations of mmWave building blocks
- Layout and verification of mmWave building blocks
- 2D and 3D EM simulations for interconnect, passives and packages
- Clear and concise reporting
- Come up with creative solutions to new problems
- Prepared to take on ad-hoc tasks

### Competences and qualifications

- BSc (Hons) or higher degree (MSc/PhD) in electrical engineering with a focus on analog, RF and/or mmWave ASIC design
- Knowledge of leading IC design tools: Cadence, ADS, Synopsys or Mentor
- Experience with transistor-level layout extraction and verification (PEX), DRC and LVS
- Clear communication skills
- Fluent in English (written and spoken)

### Highly valued traits

- Electromagnetic modelling of high-frequency circuits
- Lab experience
- Proficient in a scientific scripting or programming language (e.g. Matlab, Python)
- Eager to learn and willingness to adopt new tools and design techniques

### What we offer

- Dynamic and exciting start-up environment!
- Fancy Art-Nouveau office in Antwerp ('t Stad), conveniently located close to Berchem and Central train station
- Contribute to revolutionary products such as automotive radar, 5G and mmWave sensors
- Competitive salary & benefits
- Incredible colleagues to learn from AND have fun
- Gourmet coffee, carefully selected by our local coffee aficionado

### Contact information:

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[www.tusk-ic.com](http://www.tusk-ic.com)