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## JOB DESCRIPTION

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**JOB TITLE:** Analog and Mixed-Signal IC Design Engineer

**JOB TYPE:** Full-time

**LOCATION:** Luxembourg

**SUPERVISOR/MANAGER:** Senior Engineer, Product Manager

### MAIN DUTIES/RESPONSIBILITIES:

- Perform the daily development of ADC and DAC related projects and products
- Participate in all aspects of the design, from concept to production silicon
- Involved in specification, architectural development, transistor-level design, SPICE, Matlab modeling and simulation, layout, post-layout simulation, chip-level verification, and lab validation
- Interact and participate with a cross functional team including Product, Test, Marketing, and Application Engineers as needed for a successful execution of a product
- Successful integration of blocks into larger mixed-signal systems
- Document, present, and participate in project meetings

### SKILLS & EXPERIENCE

**QUALIFICATIONS:** Bachelor's Degree, Master's or PhD's Degree preferred.

### WORKING EXPERIENCE:

- Master's with 5+ years or PhD with 3+ years of experience in analog/mixed-signal IC development

### SKILLS:

- Experience in:
  - ✓ Data converter architecture and design
  - ✓ Transistor-level analog design with solid understanding of circuit requirements and topologies
  - ✓ Analog building blocks: references, amps, oscillators, LDO's
  - ✓ RTL and custom logic in support of high-performance data paths in mixed-signal designs
  - ✓ Analog and digital simulation techniques using Cadence
  - ✓ System level Mixed Mode verification experience

- Organized, thorough, and detail-oriented with strong communication skills
- Self-motivated with strong analytical and problem solving skills
- Experience working with cross-functional teams
- Excellent written and oral communication skills in English, knowledge of Dutch, French or German will be an advantage

## COMPANY INTRODUCTION:

Silux Technology develops Analog & Mixed-signal ICs and full-custom ASIC (application-specific integrated circuit). Our founders have many years of experience in analog and mixed-signal integrated circuit design. As a specialized supplier, Silux offers the full range of design services in the field of IC, ASIC and Electronic System development, i.e., from feasibility studies, standard ICs product, custom application-specific modules, custom ICs to System miniaturization or turnkey electronic solutions for consumer, industry, scientific and medical markets.

## CONTACT US:

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