



Company	PYXALIS
Place	MOIRANS (38) - Centr'Alp – France
Job title	Characterization Engineer

**CONTEXT**

Pyxalis is a major French company specialized in the design and manufacturing of innovative custom image sensor solution, with a strong focus on performances and industrial quality over a wide portfolio of markets and applications.

To support its growth, Pyxalis is looking for an electro-optical characterization engineer to join the engineering team and to increase Pyxalis capacity at developing and evaluating new sensors and imaging technologies.

**MISSIONS AND RESPONSIBILITIES**

As characterization engineer, you will be responsible for the electro-optical characterization of image sensors in while keeping commitment on delays, quality and cost inherent to the job.

Your missions include the following:

1. Define and structure characterization and validation plans based on product specification in strong relationship with sensor designers. Ensure the tracking of eventually identified circuit bugs identified during characterization, find root causes and suggest corrective actions.
2. Analyze, specify, develop and implement required means and method of measurements, as well as verify their validity upon new circuit characterization.
3. Execute measurement according to defined planning, analyses and synthetize and document results in characterization reports, with proper record of measurement conditions and methods.
4. Be critic on the measurement results and ensure their likelihood.
5. Implement correlations between Partners production test results, or client test results, and Pyxalis characterization results.
6. Be proactive in terms of continuous product, method, measurement means, reference documentation (such as measurement handbooks, design of characterization check lists, etc.) continuous improvement
7. Contribute to the definition and evolution of characterization systems (test benches, software and hardware) to answer the technical specificity of each product characterization, with the objective of saving time in the executions of measurement procedures.
8. Exchange with Pyxalis customers on test results when required.

**TEAM INTERACTION:**

Project managers, Design leaders, Digital design leaders, Pixel designers, head of characterization and application engineering

**SKILLS**

Autonomy in technical decision within the project boundaries: specifications, planning, risk management, costs, reuse strategy.

Transversal skills

- Customer orientation



- Team spirit
- Proactivity
- Continuous improvement

Specific skills

- Document formalization
- Analysis and synthesis aptitude
- Anticipation

**REQUIRED PROFESSIONAL EXPERIENCE**

3 to 5 years of experience in the field of IC characterization of mixed signals, preferably in imaging, is required.

**REQUIRED QUALIFICATIONS**

Engineer or MS degree in engineering with a specialty in Electronics