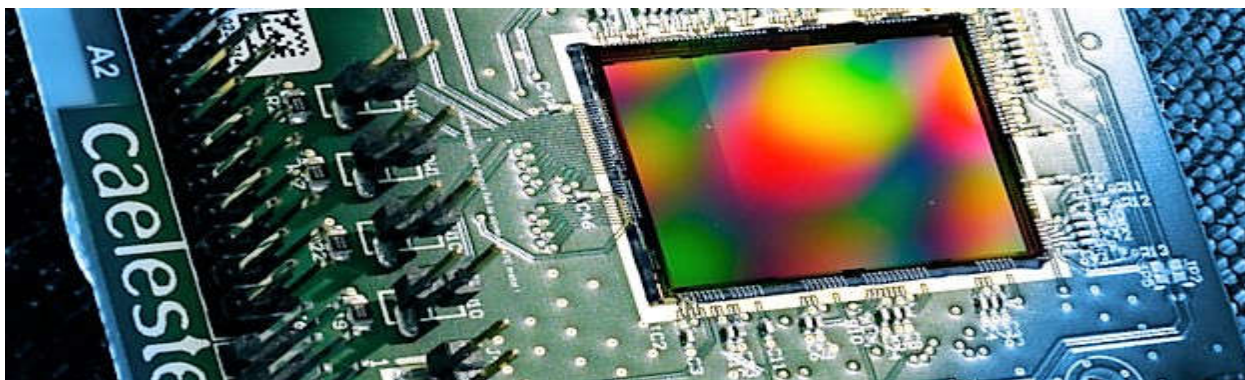


Image Sensor Production & Quality Engineer



About Caeleste

Caeleste is the young and dynamic innovation engine with a proven track record in design & supply of beyond state-of-art custom-designed high-end CMOS image sensors. The company differentiates through its capability of handling the most advanced projects, covering solutions in high performance imagers in close cooperation with its customers for space, scientific, medical and industrial applications. Thanks to the in-house expertise on high-speed, sub-electron noise, ultra-high dynamic range and extreme radiation-hard designs, Caeleste ensures an end-to-end quality focus on the entire product flow: from architecture, design, prototyping, test & characterization up to production and test for customer deliveries.

For our continued healthy growth we are looking for a Production & Quality Engineer to organize, manage and represent the characterization, qualification and production of our image sensor prototypes & products.

About your job as Image Sensor Production & Quality Engineer

You are the central responsible for manufacturing & assembly of our CMOS image sensors during the complete product life-cycle – from project intake until delivery of the qualified product to our customer.

This means:

- Before the project start, you provide your expert input on prototyping and productization into the project intake process
- During the design phase of the image sensor you interact with the internal design and test teams as responsible for the package design, the assembly process and the production test
- In the prototype phase, you organize the timely procurement of prototypes & test structures
- In the production phase you organize the supply chain from wafer procurement to final tested product delivered at the customer
- You interact with the customer to make sure that the delivered products are correlated with the customer's application
- You are responsible for the appropriate aftercare and maintenance services

You work with a continuous focus on in-time delivery with predictable & reproducible quality and cost targets. This drives you to define, organize and mature the characterization & production flow with an innovative mindset, based on your expert theoretical and hands-on understanding of the latest technologies involved in the design and supply of custom-build high-end image sensors.

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You have a natural tendency to highly organize your dynamic priorities in the areas of:

- Supplier management to ensure long-lasting relations with foundries, assembly houses, key component & test equipment suppliers
- Automated product life-cycle management using Enterprise Resource Planning system to simplify complex links in logistic & financial processes
- Technical product issue management, including systematic root-cause analysis, statistical analysis of test results, yield analysis in co-operation with design & test teams in the lab, as well as with foundries & suppliers to mitigate and put error-avoidance mechanisms in place
- Technical documentation management to log and learn, while reporting without overhead

You balance managerial aspects with continuous updates of your technical savvy in the areas of:

- Image sensor package design: technology, materials, mechanics, ...
- Execution of product qualification testing, including visual inspection, environmental testing, radiation testing

You target to become our assembly and product specialist and have the opportunity to grow according to your capacities. Along with Caeleste's business, you can mature your technical and managerial leadership. We welcome experience, but are also open to hire a talented fresh graduate with high potential. You operate within a multi-disciplinary team of system & test engineers – a mix of junior and senior experts. Mutual support is the daily routine in the company.

Job specific requirements:

- Master in Electronics Engineering, Physics or equivalent by experience or vocation
- Understanding of supply chain management
- Understanding of electronic assembly technologies, processes & quality-oriented standards & best-practices
- Hands-on experience with complex test setups and lab equipment
- Understanding of digital and analog electronics
- Fast learner of theoretical and hands-on technology evolutions to master and discuss with internal and external world-class experts
- Excellent communication skills in English writing, presenting, supplier & customer interaction
- Committed team player who takes ownership of product management
- Creativity, an analytical mind and problem-solving skills

Additional skills that are of interest:

- Working language is English, any other language is a plus
- Experience or interest in image sensors, applications, testing, camera or instrument design
- Experience in electro-optical characterization or evaluation of image sensors
- Experience in image sensor assembly processes
- Experience with guiding & motivating focused groups of technically skilled people is a plus

For all your questions, please contact Ewa Burzynska or jobs@caeleste.be