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As an R&D Sensor Engineer, your mission will be to help enable the execution of testing and improvement initiatives of the Technology R&D group. You will be a crucial member of the Technology R&D team, and your work will directly support the group's mission. The core responsibilities include:

- New product design and development.
- Semiconductor experiences in III-V, Silicon devices, and processing are highly desirable.
- Analyzing production faults (FMEA) to determine root causes (RCCA), preventative and corrective actions
- Ensuring working methods and appropriate process documentation is in place for manufacturing processes
- Semiconductor processing equipment, a metrology tool, and processing technique experience
- Experience with design of experiments, statistical Process analysis, and manufacturing process control.

We have a small interdisciplinary team that includes Chemical, Mechanical, Electrical, and Software Application engineers. You will be contributing from day one: we want you to be a part of our team and to have a lasting impact.

#### **You Are**

- Organized
- Detail-oriented
- Hands-on

The most important qualities we value are a positive, solution-oriented attitude and a desire to understand everything around you, leaving no stone unturned. In addition, you're never afraid to keep asking questions until you know, you execute tasks quickly and thoroughly, and you're logical and data-driven.

#### **Desired Skills**

A demonstrated ability to learn new things is more important than anything on this list, but these are some of the things you will use at H2scan:

- Understanding of industrial manufacturing operations
- Knowledge of fluid process dynamics
- Hands-on experience in testing includes test method development, design verification testing, etc.
- Write or update documents like test protocols, reports
- Strong written and verbal communication skills
- Great attention to detail

#### **Qualifications**

Bachelors with five years of experience or master's degree with two years of experience in engineering, industrial technology, or another STEM field. A material scientist with some microfabrication experience is preferred.