



Senior System Architect Semicon

Your opportunity

As a Senior System Architect in the Manufacturing Systems & Industry 4.0 department, you will work in multi-disciplinary project teams of highly skilled technical experts from both Philips Engineering Solutions and our customers. You will participate in all (development) project phases, ranging from acquisition where you take the lead defining the technical scope, through the various design phases, up to system integration, verification and delivery of the end result. Next to your project work you deliver a contribution to building and maintaining the system architecture competence.

Your responsibilities within this role

- You will be directly responsible for the mechanical solutions in major semiconductor projects, which typically have a mid- to long-term character, are complex, and can be divided in several sub-projects for the creation of subsystems. This also acquires involvement in other disciplines like: dynamics, thermal, electronics and software.
- You will use your skills, inventiveness and curiosity to combine novel technology with user insight to lead the team in designing modules for new high precision semiconductor innovations.
- You are responsible for gathering, defining and writing the detailed requirements specifications, based upon customer requirements.

- You will make principle choices for the equipment/product designs, subsystems and interfaces.
- You are responsible for the overall manufacturability, interfacing and introduction of new technology and methods.
- You will lead internal and external mechanical design sub-teams.
- You will work closely with the other Discipline Architects and the Project Manager.
- You will work closely with the commercial department to truly understand the customer's technologic challenges in order to offer projects, tailored services & technical support.
- You will contribute to building the mechanical engineering competence by an attitude of active learning and outward looking.
- You will build an effective network with customers and suppliers. You actively look around to acquire new insights, to strengthen the knowledge base and competence of yourself in the domains of high precision and medical equipment.

You are a part of

You will be part of Philips Engineering Solutions an over 1000-strong team of technology experts, designers, project managers and consultants who have decades of experience in supporting customers both inside and outside Philips - from major companies in sectors such as semiconductor manufacturing and healthcare to highly innovative start-ups.

At the department of Manufacturing Systems & Industry 4.0, we know that customized manufacturing processes create competitive edge and we create the bridge from idea to market for each innovation journey.

We are looking for

To succeed in this role, you should have the following skills and experience

- Bachelor or Master in Mechanical Engineering or a similar technical profession.
- At least 5 years of professional experience in innovative high precision equipment development for semiconductor manufacturing.
- Experience in an architecting role
- Proficient in 3D CAD mechanical design, preferably Siemens NX and Teamcenter.
- Experience in Systems Engineering in complex technical projects.
- Experience with industrial automation.
- Knowledge of requirements management, system architecture, system integration and lifecycle management.
- Academic level of working and thinking.
- Eager to understand and oversee the impact of issues and solutions within the broader system context.
- Able to make work break down analyses and effort planning.
- Strong customer focus, agile team player and good social interaction and communication skills.
- Good stakeholder management.
- Result oriented, pragmatic.
- Willingness to travel to the USA, Asia and Europe up to 50% over short periods.
- Strong communicator English, German (preferred).

In return, we offer you

We welcome you to a challenging, innovative environment with great opportunities for you to explore. Our benefits are very competitive and designed around your preferences.

Why should you join Philips?

Working at Philips is more than a job. It's a calling to create a healthier society through meaningful work, focused on improving 3 billion lives a year by delivering innovative solutions across the [health continuum](#). Our people experience a variety of unexpected moments when their lives and careers come together in meaningful ways.

To find out more about what it's like working for Philips at a personal level, visit the [Working at Philips page](#) on our career website, where you can read stories from our [employee blog](#). Once there, you can also learn about our [recruitment process](#), or find answers to some of the [frequently asked questions](#).

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Contact us

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