

## **System Engineer**

**We are looking for a system engineer to join our team!**

Our SE are the locomotive of the development process, they have rare combination of deep technical understanding, problem solving capabilities and knowing customer needs

### **What you'll be doing?**

Lead technical development of a complex metrology system using a cross-disciplinary team of engineers

Own the entire system error budgets against the required specs, and provide a technical roadmap for future advanced technology based on the system error budget

Partition large systems into subsystems, modules, and components, each clearly defined and straightforward to implement

Perform detailed and efficient root cause analysis to problems arise during development and field-escalations

Drive validation and verification activities for the overall product, including system level testing.

Work with program managers to create and manage project schedules.

Interfaces closely with service, manufacturing, engineering and marketing team to define and optimize system performance and resolve performance issues.

### **Responsibilities**

Ensure the system will meet the system requirements,

Understanding deeply the technical aspects of the system (HW/Algo/SW) and our customers use-cases to provide robust technical capabilities to our customers requirements

Hands-on troubleshooting and maintaining of engineering prototype systems in division headquarters

Review and approve system requirements and design documents,

Contribute to and work the product marketing and the division's strategic plans to clarify the market need in terms of system requirements,

Collect and analyze large amount of data from the system (in hose and from customers) to gain deep insights regard the system behavior

Respond to field escalations where field service engineers have failed to resolve complex system performance problems, by providing written plans of action by e-mail, phone or on-site hands-on assistance at customer sites worldwide



Be able to quickly get up to speed to design and execute multi-disciplinary experiments, write and peer review detailed test plans and summary reports for system testing

Hands-on troubleshooting and maintaining of engineering prototype systems in division headquarters

### **What's in it for you?**

A key player in the design of the most sophisticated, complex systems, employing state-of-the-art technology in each discipline.

Leading to the best solution in a multidisciplinary team, with SW, Algo, Physics, Motion, Mechanics, Electronics and Optics.

Professional development possibilities

Diverse career growth opportunities

### **What are we looking for?**

Endless curiosity and urge to learn new things

PhD in Physics / Electrical Eng./Mechanical/ Related fields

Solid knowledge of data analysis and signal/image processing using Python or Matlab

Complex system comprehension

Excellent collaboration capabilities, with different disciplines and ability to work independently

Leadership skills

Strong English oral and written communication skills, presenting skills

*We offer a competitive, family friendly total rewards package. We design our programs to reflect our commitment to an inclusive environment, while ensuring we provide benefits that meet the diverse needs of our employees.*

*KLA is proud to be an equal opportunity employer*

\*\*\*\*\*Location: Migdal HaEmek, Israel \*\*\*\*\*

Email for CVs: [raya.shaulov@kla.com](mailto:raya.shaulov@kla.com)