

**WE CREATE PASSION
THROUGH OUR SOLUTIONS
TO REVEAL THE HIDDEN
AND LOCATE THE DYNAMIC.**



Safran is a leading international high-technology group with three core businesses: aerospace, defense and security. Operating worldwide, the Group counts more than 70,000 employees and annual sales exceeding 17 billion euros. Through this global presence Safran builds industrial and commercial relations with the world's leading prime contractors and operators.

Headquartered in Heerbrugg Switzerland, Safran Vectronix AG is a global player in state-of-the-art optronic equipment, systems and sensors for military and civil applications. Through our extensive network, we export more than 95% of our products worldwide.

We are interested in people who think and act creatively and in a team-orientated manner; people who will value a challenging future in an international environment. We would like to reinforce our R&D team with an

Optical Design Engineer (f/m)

The main tasks cover the following key points:

- Elaborate complex optical concepts, lens designs, analyze tolerances and stray light
- Working with system architects defining requirements
- Understand and quantify how optical design impacts system level metrics like: signal to noise, manufacturing constraints and costs
- Elaborate technical documentation such as verification test plans and reports for visible and infrared wavelengths (SWIR and LWIR)
- Validate designs through proof of concepts, modelling and simulation, prototypes and tests including lab measurements
- Working with process design team to develop manufacturing processes
- Life cycle management support

Your qualifications:

- Master or degree in Physics or Engineering or PhD or equivalent experience
- Proven track record of professional experience (3 to 5 years) in optics design and simulation of complex optical systems
- Profound experience with Zemax, CodeV and/or other optic design tools
- Experience in specifying and/or designing thin-film optical coatings
- Analytical and solution-oriented approach with structured problem solving capabilities
- Working proficiency in international cross functional teams and strong communication skills in verbal and written German and English (French would be a plus)

You have a high level of commitment and flexibility and are a structured, reliable and team-oriented personality. We offer a variety of exciting projects to develop state of the art products and great benefits in an attractive area with modern working places. This position is based in Heerbrugg (north-eastern Switzerland). Sigrid Nagel is looking forward to receiving your written application: sigrid.nagel@safrangroup.com. Christian Ban, Head of Development Unit Core Technologies Modules/Optics, phone: +41 71 726 7445 will be pleased to provide any further information you may need regarding the tasks and responsibilities of the position.