

Senior Optical System Engineer

General Atomics Synopta is a Swiss company that is specialized in the design and production of high data rate laser communication systems and associated equipment for space and ground-based applications. With the successful introduction of several product lines in the recent years, GA Synopta is ramping-up its overall team size at its locations in Eggersriet SG and Zurich, Switzerland.

Responsibilities

- Optical design and analyses (tolerancing, ghost, back reflection, straylight) of optical benches and associated telescopes.
- Conceptual design of optical coatings and interfacing with coating service suppliers
- Interfacing and coordination with mechanical/thermal design and optics manufacturers
- Definition and design of optical test setups
- Definition and coordination of component, coating and bonding qualification tests
- Commissioning of optical test setups in laboratory and in clean room environment
- Coordinate work with project manager, system engineer, and product assurance responsible
- Mid-term perspective
 - Overall technical responsibility for adaptive optical systems: Concept, design, alignment, test
 - Overall technical responsibility for optical ground station prototypes: Concept, design, test

Profile

- University/HTL degree in technical area
- Technical background in optics/lasers.
- At least five years of hands-on experience as optical engineer in a comparable technical environment
- Experience in space industry preferred
- Experience in any of the following fields is a plus: mechanical engineering, optoelectronics, Zemax
- Fluent in German and English

If you are willing to achieve top-class results as part of an extraordinary team in the fascinating environment of space industry, please submit your complete application to Jens Kunde, GA Synopta, General Manager, via jens.kunde@synopta.ch.