



Thüringian State Observatory Tautenburg

Project engineer (m/f/d) for mechanical engineering, precision engineering or comparable (75%)

The Thüringian State Observatory (TLS) is a research facility of the state of Thuringia near the university city of Jena with currently around 50 employees. The TLS conducts research in a variety of areas of astrophysics, ranging from the study of the sun, extrasolar planets, star formation, diffuse magnetized plasma in galaxies and galaxy clusters to radio galaxies. The TLS operates the 2m Alfred Jensch Telescope, a development laboratory for the Solar Physics Research Integrated Network (SPRING), participates in international instrumentation projects, operates a station of the international Low Frequency Array (LOFAR) and is significantly involved in the analysis of data from the MeerKAT radio telescope.

The TLS is now offering a position for a

**Project Engineer (Dipl.-Ing., B.Sc., M.Sc.) (m/f/d)
specializing in mechanical engineering, precision engineering or similar.**

Job description:

The position is affiliated to the TLS research group for *Optical Technologies and Photonics*. The group develops modern optical instrumentation for the research facilities of the TLS. The TLS is also involved in national and international projects. The post holder will work closely with scientists, optics developers and the TLS workshops.

The position of up to 75% is initially limited to 2 years with the option of extension (subject to funding). Depending on the qualifications of the post holder and the tasks assigned, remuneration is possible up to pay group 13 according to the collective agreement of the federal states (TV-L).

The tasks include:

- The independent production of 3D designs for opto-mechanical assemblies in accordance with the optical specifications and the requirements for the design and use of the respective instruments
- Collaboration in the international ELT-ANDES* project, in which the TLS is involved
- Support for further instrumentation projects
- Simulation (ANSYS, 3D-CAD analysis) of mechanical and thermal properties
- Specification of purchased parts, obtaining quotations, awarding contracts and quality control
- Supervision of production (in-house and external outsourcing)
- Support with the commissioning and maintenance of instruments
- Preparation of documentation in English in accordance with the project specifications

Your profile:

- Completed studies (B.Sc., M.Sc., Dipl.-Ing.) in mechanical engineering, precision engineering, mechatronics or a comparable field of study
- Good knowledge of 3D CAD tools, preferably Inventor
- Knowledge in the creation and analysis of ANSYS models or experience in the use of relevant CAD tools
- Ideally experience in the fields of optics, laboratory technology, automation or thermal design
- Good written and spoken English skills
- Enjoy working in an interdisciplinary team
- Independent work in coordination with the project participants
- Willingness to travel and participate in international project meetings

We offer:

- An attractive workplace at the Thuringian State Observatory near the university city of Jena
- An independent position in an attractive, challenging and varied field of work within an internationally active and renowned research institute
- Challenging and diverse design tasks in research projects
- Flexible, family-friendly working hours and the option of mobile working

The institute buildings are not barrier-free. People with severe disabilities will be given preference if they have the same professional and personal qualifications.

In order to reduce the underrepresentation of women in the advertised position, we expressly encourage qualified female candidates to apply.

Questions about the advertised position will be answered by Prof. Markus Roth (mroth@tls-tautenburg.de) or Dr. Michael Sigwarth (sigwarth@tls-tautenburg.de)

If you are interested, we look forward to receiving your detailed application documents.

In writing to: Thuringian State Observatory Tautenburg
For the attention of Mrs. Köhler
Observatory 5
07778 Tautenburg

By e-mail to: stellenausschreibung@tls-tautenburg.de

Incoming applications are reviewed on an ongoing basis until the position has been successfully filled.

* <https://elt.eso.org/instrument/ANDES/>

The masculine or feminine form used in this advertisement always refers to female, male and diverse persons at the same time.