



ESO

European Organisation
for Astronomical
Research in the
Southern Hemisphere



The European Organisation for Astronomical Research in the Southern Hemisphere (ESO) is the foremost intergovernmental astronomy organisation in Europe and the world's most productive ground-based astronomical observatory. ESO carries out an ambitious programme focused on the design, construction and operation of powerful ground-based observing facilities enabling astronomers to make important scientific discoveries.

ESO operates three unique world-class observing sites in northern Chile: La Silla, Paranal and Chajnantor (home to ALMA), and the ESO Headquarters are located in Garching, near Munich, Germany.

At Paranal, ESO operates the Very Large Telescope, the world's most advanced visible-light astronomical observatory, and will host and operate the southern array of the Cherenkov Telescope Array, the world's largest and most sensitive high energy gamma-ray observatory. ESO is a major partner in ALMA. On Cerro Armazones, ESO is building the 39-metre Extremely Large Telescope (ELT), which will become "the world's biggest eye on the sky" and whose operations will be fully integrated into the Paranal Observatory.

Due to the need for additional resources for its Mechanical Engineering Department, within the Directorate of Engineering at its Headquarters in Garching, near Munich, Germany, ESO is advertising the position of

CAD Technician

This is an excellent opportunity for professionals in the early stages of their career. The successful candidate will work in the ESO matrix structure serving various projects and fulfilling tasks received from engineering stakeholders. They will be assigned to the Instruments and Cryogenic Systems Group in the Mechanical Engineering Department supporting ESO's ELT, VLT and ALMA programmes with preparing technical documentation and assisting computer-aided design (CAD) processes.

The CAD Technician will be involved in project teams working on designing instrumentation, machinery, infrastructure, and sub-units for ESO's telescopes. They will create technical drawings and will provide support to mechanical design, construction and professional data management.

Main Duties and Responsibilities:

- Preparing 2D/3D drawings, assemblies and models using Autodesk's Design & Manufacturing (Inventor, Navisworks Manage) and Architecture Engineering & Construction (AutoCAD, Revit) software tools;
- Support project teams for creating concept designs, detailed designs, technical drawings and parts lists;
- Documentation and professional management of CAD data;
- Aiding design engineers;

Reports to:

Head of the Instruments and Cryogenic Systems Group of the Mechanical Engineering Department.



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Key Competences and Experience:

Essential Competences and Experience

- * Proven experience in commanding a state-of-the-art 3D CAD software;
- * Familiarity with design and draughting standards;
- * Proficiency in using professional CAD data management systems;
- * Understanding of European technical drawing norms, guidelines and conventions;

Desirable Competences and Experience

- * At least two years draughting and design focused experience;
- * Inventor/Vault and or Revit essentials;
- * Understanding in Building Information Management (BIM) for construction;

Qualifications:

Qualification as CAD technician, draughtsperson, technical draughter or equivalent.

Language skills:

Basic commanding of the English language - oral, reading and writing - is essential. Knowledge of German and or Spanish would be an advantage.

Remuneration and Contract:

We offer an attractive remuneration package including a competitive salary (tax free), comprehensive pension scheme and medical, educational and other social benefits, as well as financial help in relocating your family and support to place your child/children in daycare.

Our Salary Structure

ESO's salary structure is based upon a range of career paths which reflect the nature and level of our jobs. Each career path is made up of two or three grades which are used to further reflect experience.

Please follow this attached link for more details <https://www.eso.org/public/jobs/conditions/intstaff/salary-structure/>

ESO aims to support members of personnel in maintaining a good work-life balance (<https://www.eso.org/public/jobs/conditions/intstaff/#work-life-balance>) between their professional and private life. ESO is also committed to offering family-friendly support (<https://www.eso.org/public/jobs/conditions/intstaff/#family-friendly-support>), creating a work environment and policies which allow staff to balance their professional and private responsibilities through flexible working arrangements and financial support for families.



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The contract is for a fixed term duration of three years and is subject to successful completion of the probation period. There may be a possibility of extension(s) subject to individual performance and organisational requirements, and as defined in the applicable policies and staff rules and regulations. For any further information, please visit [ESO's conditions of employment](#). Please note that the contract policy and in particular the regulations concerning fixed-term and indefinite contracts are currently under review which may lead to changes in the contractual conditions applicable to this position.

Duty Station:

The position is based in Garching, Germany.

Career Path: III

Application:

If you are interested in working in areas of frontline science and technology and in a stimulating international environment, please visit <http://www.eso.org> for further details.

Applicants are invited to apply online at <http://jobs.eso.org/>. Applications must be completed in English and should include a motivation letter and CV. Within your CV, please provide the names and contact details of three persons familiar with your work and willing to provide a recommendation letter upon request. Referees will not be contacted without your prior consent.

Deadline for applications is 12.11.2023.

Interviews are expected to start soon after this date.

ESO Values

An important element in any successful employment relationship is harmony in values between an organisation and its people.

The ESO Values are:

ESO strives for **excellence** through **innovation**.

ESO provides **outstanding services** to its communities.

ESO fosters **diversity & inclusion**.

ESO believes in the key role of **sustainability** for its future.

Achieving the above are recognized as only possible on the basis of personal values and attitudes that we expect from our employees: **respect, integrity, accountability, commitment, collaboration, and clear & open communication**.



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Applicants to any ESO role are asked to reflect on their affinity with these values and advised they may be asked about them if called for interview.

Diversity

ESO has established diversity as an important value of the Organisation, is committed to providing an equal opportunities environment and is actively seeking to promote a diverse, equitable and inclusive workforce. Please visit <https://www.eso.org/public/about-eso/sustainability/dei-at-eso/> for further details.

Nationality

No nationality is in principle excluded from employment at ESO, however, recruitment preference will be given to nationals of our Member States, host states and strategic partners: Australia, Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Poland, Portugal, Spain, Sweden, Switzerland, the United Kingdom and Chile, irrespective of gender, age, disability, sexual orientation, ethnicity or religion.