

CTF SOLAR GmbH is a leading developer and supplier of CdTe technology for thin-film solar modules. We take processes developed on a laboratory and pilot scale and turn them into industrial production techniques, teaming up with specialized partners to design the corresponding machinery.

CTF SOLAR GmbH provides technology for production lines manufacturing CdTe thin-film solar modules all around the globe, predominantly in China. This involves the planning for and implementation of the entire process and metrology equipment as well as the selection and qualification of equipment and raw material suppliers. Operations are underway in our first high volume manufacturing factory in Chengdu, China, with an annual capacity of 100 MW_p and construction work on other CTF SOLAR technology Fab projects with a combined capacity of >1 GW_p started already.

Currently with around 55 employees from over ten different countries, CTF SOLAR GmbH is fully owned by Chinese company CTIEC, one of the world's Global Top 200 Engineering Companies based in Shanghai.

To support our further growth, we would like to expand our Engineering team in Dresden and are therefore looking for an:

Mechatronics Engineer for CSS Manufacturing/ Development (m/f/d)

The (Senior) Mechatronics Engineer provides mechanical, electrical design, engineering, testing and construction support to facilitate the successful construction and operation of the CSS machine. This position reports to the Director of Process & Equipment Technology.

Job description:

- Interface closely with development, engineering and construction teams to ensure that project needs and objectives are maintained and satisfied
- Prepare electrical scope documents, exhibits, budgets, schedules and requests for proposals
- Ensure the production of quality electrical engineering plans and specifications, while ensuring compliance with project and industry requirements and standards
- Perform standard electrical engineering calculations and preliminary electrical design
- Direct and manage the work performed by electrical manufacturing including technical review
- Supplier management for electrical components
- Lead or participate in project meetings and conference calls
- Driver in cost reduction through innovation and standardization
- Support installation and ramp up at customer site, international travel (predominantly in China, when possible again)
- Ability to read and understand plans, specifications, drawings, and documents related to engineering and construction,
- Ability to perform standard electrical discipline mathematical calculations and equations
- Familiar with medium and high voltage substation electrical equipment and transmission design and operations

About you:

- Degree in a relevant engineering discipline
- 5 years of design and engineering experience
- Knowledge of MS Office suite, AutoCAD, Power System Modeling Software, databases and other discipline-related design programs, MS Project desirable
- Experience and skills relating to electronic processing and filing of drawings, specifications, budgets, reports, project schedules and other documents
- Good time management skills and demonstrated efficiency in providing engineering support on multiple concurrent projects
- Analytical approach, preferably with experience in successful problem solving and troubleshooting
- Open to work in an international team
- Self-directed, with pro-active approach to problem solving, hands-on mentality
- Fluent in English, knowledge in German and/or Chinese is a plus

What we're offering:

- Exciting projects in solar energy
- The opportunity to work in an ambitious, international team
- A flexible, international and cooperative working environment
- Individual opportunities for further training and development
- A corporate culture in which you can contribute your own ideas, use your initiative and actively help to design processes

How to apply:

If we have sparked your interest, please send us your application documents in German or English, including your earliest possible start date and details of your salary expectations, to the following address: HR@ctf-solar.com

Your privacy is important to us and we want you to feel secure through email encryption. Please use this certificate to encrypt your email: <https://www.ctf-solar.com/hr.cer>.