**Industrial Solar GmbH** is a leading solution provider for energy projects with references around the world. It was founded in 2008 in the environment of the renowned Fraunhofer Institute for Solar Energy Systems (ISE) to realize solar thermal projects based on its innovative Fresnel collector. Today Industrial Solar is the world leader in Fresnel projects for industrial energy supply and delivers comprehensive and customized energy solutions based on different technologies.

**Master Thesis:** Optimization and further development of our substructure for Fresnel collector systems with direct steam generation

**Goals of the thesis**

The main goal of this thesis is to develop a reliable and innovative substructure with low material usage for line focusing solar concentrators based on earlier versions. The following subtasks are envisioned:

- Understanding the existing substructure systems and previously developed approaches
- Enhancing the existing substructure and development of new designs
- Analyzing and evaluating the new solutions from a technical and economical point of view
- Creating a target specification sheet and decision matrix

**Your qualifications:**

- Bachelor Degree in civil engineering or similar
- Experience with structural design, statics and system building
- High willingness to develop innovative ideas
- Material and product knowledge are an advantage
- Independent work is required
- English knowledge is an advantage

**We offer:**

- Integration and implementation of the developed solutions
- Young international team
- Flexible working hours
- 500 € per month for Master students

**Contact:** career@industrial-solar.de