A special internship?
Join the Stuttgart team.

Transsolar
KlimaEngineering

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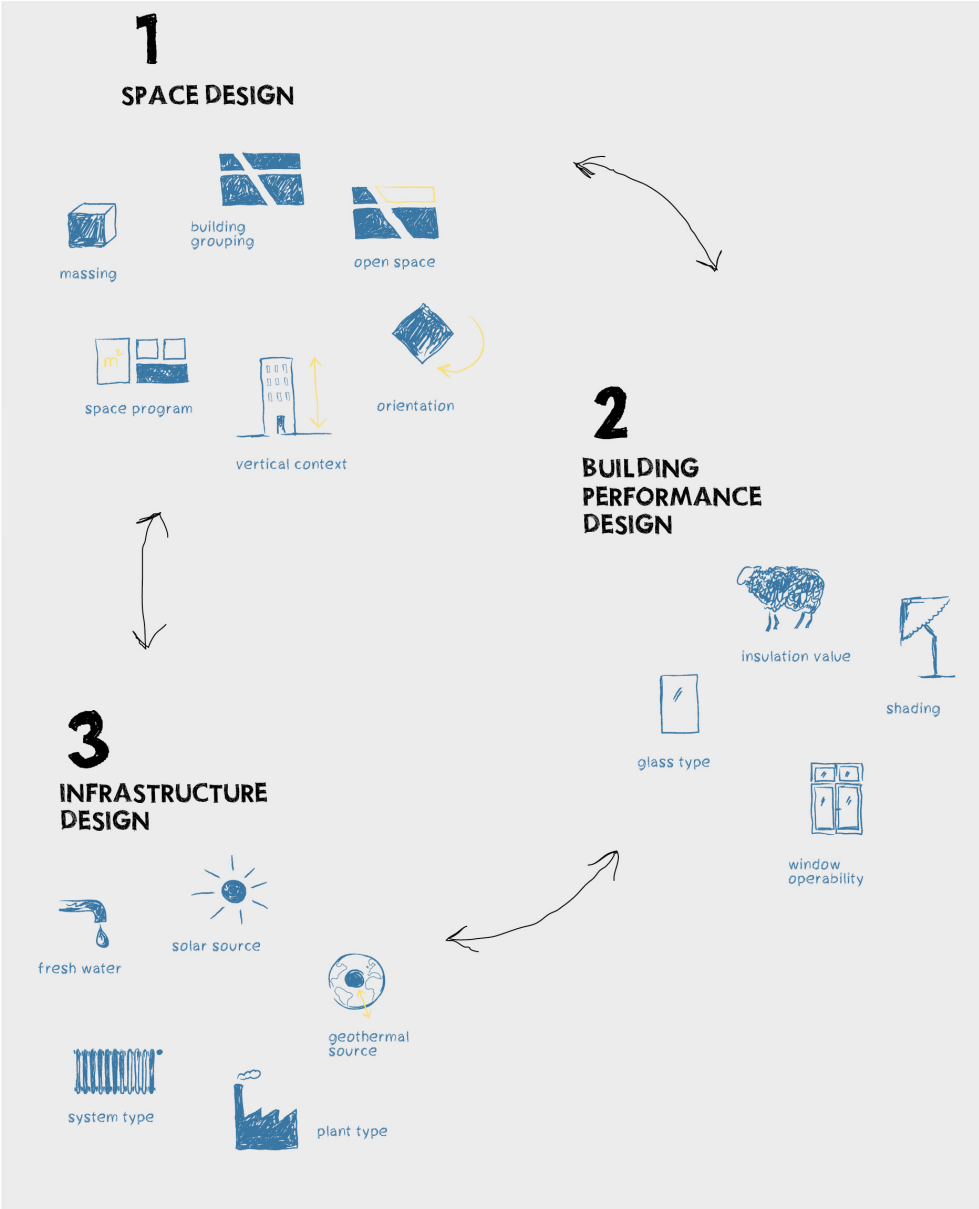
A special internship? Join the Stuttgart team.

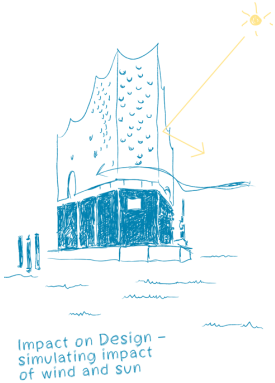
Transsolar, an international engineering firm, consults on energy, climate, comfort and sustainability - we call it climate engineering. We work with architects and clients on building projects all over the world. We participate in a wide variety of projects of all scales, such as a small school in an emerging country, a stadium, or even an entire city. In addition, we work on artistic installations that deal with our subject area and develop ourselves software tools like TRNSYS to assist ambitious concepts development in our consultancy role. For our diverse activities, the goal is always to meet the challenges of the interior or exterior spaces to be developed with energy-efficient, comfortable solutions. We are a cosmopolitan team with employees from all parts of the world and low hierarchical levels.

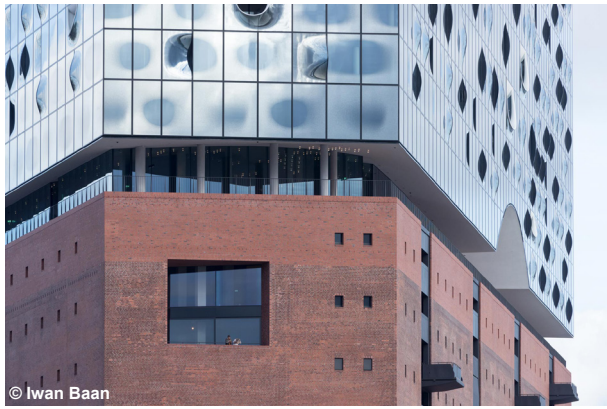
For our Stuttgart office we are looking for talented and highly motivated students and graduates for an internship, preferably for a period of 6-12 months.

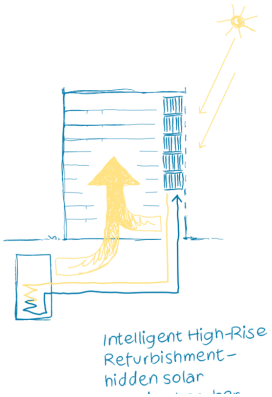
As an intern with us, you will be part of a multidisciplinary team, you can apply your skills in practical work and expand your knowledge - from a wide range of tasks:

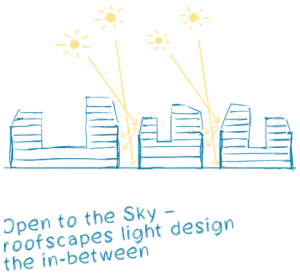
- Designing climate and energy concepts in relation to architectural visions, local climates as well as specific types of use.
- Developing, testing and validating architectural concepts by means of shading studies, daylighting simulations and dynamic thermal simulations, with the aim of reducing the energy demand and CO2 emissions of buildings as best as possible.
- Technical analysis and development of tools, hand calculation, spreadsheet and complex simulation tools (e.g. daylighting and flow simulations).
- Collaboration with other simulation specialists, synthesis, and communication of results.
- Graphical presentation of climate concepts and complex technical analyses.
- Participate in internal and external meetings, site visits, etc.











As the ideal intern...

…you have an engineering or applied science education, combined with an interest in the built environment and a desire to work in interdisciplinary technical and non-technical teams.

...you have an interest or even an academic focus in the fields of building physics, thermody-namics, building services engineering and/or fluid mechanics.

...you have a passion for architecture and like to work creatively and interdisciplinary in a team.

...you have experience in dynamic thermal simulation of buildings

...you are excited and motivated about solving tasks with 3D modelers like Rhinoceros and are familiar with advanced programming skills in python or equal programming languages

...you develop unconventional solutions and meet challenges in design and engineering based on physics and using both analytical and computational methods.

...you are interested in the conception and realization of technical / physical experiments.

...you like to use your ability to communicate orally and in writing (English / French/ German)

Planning your internship

Our wish is that you stay longer than a usual internship semester, so that your work will be beneficial for you as well as for us, to a period between six months and one year. You will receive appropriate compensation for the internship.

Interested applicants should send their curriculum vitae as well as a cover letter by e-mail to this address: jobs@transsolar.com.

Information on the Covid-19 pandemic

In the office we follow hygiene rules. Your presence in the office during the internship is desired and also important. If you have access to a fast internet connection, contacts can be reduced even during the internship with video conferencing and home office with access to the company network.