

# Engineering Internship Offer

## *Environmental Modeling and Data Analysis*

We are a start-up consultancy company in the field of urban environmental engineering based in Prague, Czech Republic. We work on providing technical solutions to city planners and urban developers to make cities resilient to climate change impacts..

We do this by:

- Analyzing satellite and spatial data using earth observation and GIS tools
- Simulating the urban microclimate using the simulations software suite: *SOLENE-microclimat*

ECOTEN urban comfort was founded in 2018 and has been growing since. Learn more about us on our website [urban-comfort.eu](http://urban-comfort.eu).

## BASIC REQUIREMENTS

- Background in engineering, scientific or technical fields. Preference to specializations in environmental science & engineering, climate change, sustainable development or related fields.
- Willingness to learn and adapt to the use of new technologies and scientific methodologies.
- Enthusiastic and self-motivated to work in a dynamic entrepreneurial startup environment.
- Good technical writing, communication, and presentation skills in English, Czech would be a huge advantage and any other languages will be advantageous as well.
- Can work independently with good efficiency at the same time is able to cooperate with a team.
- Works with respect, good ethics, diversity, and professionalism.

## YOUR MISSIONS

You will be working closely with the head of the Microclimate Simulations team and you will provide support in all activities related to our microclimate simulation service:

- Take part in the 3D Modeling process using SOLENE-Microclimat with other members of the team, and running the simulations;
- Provide analysis and interpretation of the results given by the software SOLENE-Microclimat;
- Be involved in the writing of reports and the presentation of the results to the clients.
- Participate in the R&D activities to improve further SOLENE-Microclimat software.

## ADDITIONAL REQUIREMENTS

- Basic knowledge of programming (**Python** is most suitable) is highly appreciated.
- Basic 3D modeling skills in AutoCAD is highly appreciated.
- Basic working knowledge of GIS tools such as QGIS and ArcMap is highly appreciated.
- Technical technical writing, communication, and presentation skills in Czech is a bonus.

## BENEFITS OF WORKING WITH US

- You will get first-hand experience with engineering entrepreneurship and an opportunity to learn how an early-stage start-up works.
- You will have the opportunity to learn how to develop new technical tools, solutions and innovations for clients based on remote sensing techniques and urban climate simulations. *We believe that mistakes are opportunities to learn so there is no need to be afraid.*
- You will be able to participate in conferences and networking events for networking and R&D based conferences. *We encourage interns to find and take part in such events.*
- Prague is a beautiful city to live in. People here can generally speak English and it is very easy to fall in love with it.
- Remote working is possible after a certain period of time.

## FORMALITIES

- **Duration:** 4 - 6 months internship with a possibility for a full time work. Ideal for Master thesis.
- **Compensation:** Intern worker pay of 13,000 CZK (500 EUR) per month + travel expenses for networking events.

## HOW TO APPLY

Selected candidates should be able to start working with us immediately. It is important to note that the purpose of this internship is to train you to use technical software for remote sensing and urban climate simulations and Python programming.

If interested, please send your CV and Cover Letter explaining your skills, motivation and past experiences (if any) to the following email and we will get in touch with you for an interview.

→ [info@urban-comfort.eu](mailto:info@urban-comfort.eu)

Please mention **“APPLICATION FOR ENGINEERING INTERNSHIP”** in the subject of your email.

We hope to see you in our team soon!