

UrbanMetrix SA is looking for an

Environmental Engineer (m/w/d)

100% - Lugano

PROJECT

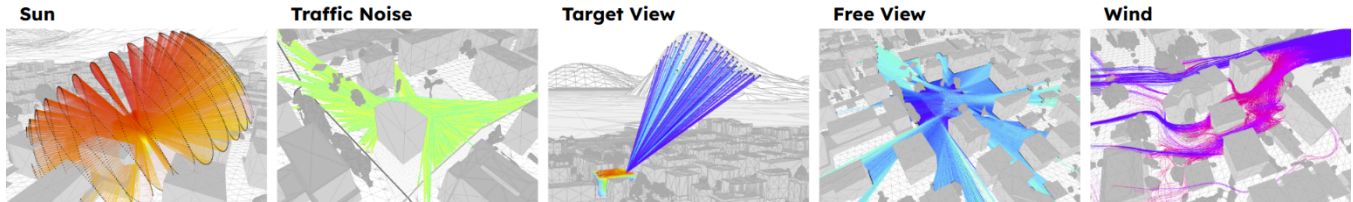
UrbanMetrix is a disruptive 3D site-analysis and conceptual-design tool for architects, engineers and developers. This tool revolutionizes the way we create buildings in cities by literally inverting the design-process and allowing it to start from environmental resources. Sun, views, noise, and wind are thus turned into crucial resources of the design process allowing it to address with new means one of the biggest challenges of our time: the design of healthy and sustainable cities.

PROFILE

BA/MS degree in Engineering with training and experience in multi-physics, numerical simulation, building-energy, and environmental analysis. Software development skills. Knowledge in simulation tools and processes related to computational-fluid dynamics, acoustics, solar energy, raytracing, geodata, and building energy demand.

CONTEXT

We offer the typical unstructured and constantly changing environment of a small and young multidisciplinary startup and the possibility to participate in a stimulating project. You will be working on several tasks in close contact with architects, engineers, and software developers. Our office is in Comano, near Lugano, and your work will start in the second half of 2025.



ROLE

- Testing, verification, validation, and constant amelioration of our simulation modules and data sources in collaboration with external consultants.
- Quality Assurance related to the results produced by the software, certifications.
- Identification and integration alternative/additional engines, models and datasets.
- Development and validation of our data filtering, combination, and transformation features.
- Development of methods related to constructive and sustainability regulations and labels.

APPLICATION

Please send a motivation e-mail with CV, portfolio, certificates, and reference letters to jobs@urbanmetrix.com
For more information visit <https://urbanmetrix.com>