

While the designer builds areas where people can socialize with pleasure, investors aim to establish an economic and sustainable job opportunity. People are disturbed by heavy winds when eating with their loved ones in a pleasant outdoor setting on a beautiful spring evening or walking in the open areas in winter. We solve the problems that affect user comfort and security with analytical, numerical, statistical calculations or analyses based on many parameters.



Alkazar; it criticizes the comfort and safety of users based on wind, sun, humidity and temperature with their experience and the climate data it produces. We take you beyond perfection to create sustainable outdoor areas for the comfort and safety of users. **Windy place, is our playground!**

What Can We Do for You?

While working within your criteria and goals, we evaluate the comfort and safety of users in your projects. Alkazar is here for architects, engineers, urban planners, building owners, facility managers and sustainability stakeholders whose design focus is comfort and safety. We use computer modeling to provide user comfort and security in your projects with the climate data we produce with our climate-specific expertise.

For design improvements, we can produce high-precision feedback at reasonable time and costs. We have the experience of quickly evaluating computing capabilities and concepts that enable you to clearly see the effects of various options when making design decisions. We are at your service as an independent consultant to reach the best information.

We will help you with the following and more questions.

- On average, how many days does the wind blow in which direction and at what intensity?
- How many days a year will you experience discomfort in the usage areas determined for the users activities?
- Users; What times of the day, how many days of the year, in which months and in what seasons is it uncomfortable?
- As building owners, can we tell our tenants how many days per year there will be discomfort?
- Can we make warm conditions tolerable by manipulating existing airflows and shadows?
- Can the design improvements be made by simulating the prevailing wind directions during the early design phase of the building?
- Does the increase in the speed of blowing of the side winds in high bridges pose a risk for vehicles?
- In the stadiums, do wind accelerations and prevailing winds affect the spectator ambience and football player performance?

First of all, we answer these questions quantitatively. Then, based on our experience, we go beyond the numbers to provide integrated solutions.

ALKAZAR,
TO BE YOUR MOST VALUABLE
PARTNER...

We Discover Innovations

We always renew ourselves in order to use the latest technology in the best way. We do not stop looking for information to make our analyses better every day.

We Create Opportunities

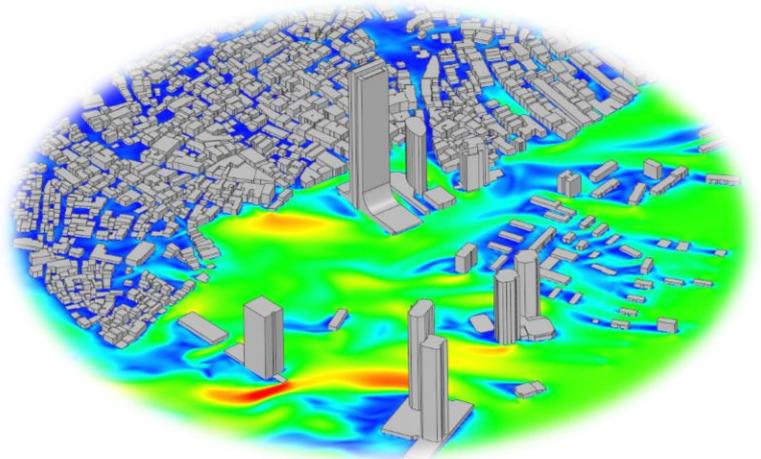
Our knowledge and experience as a result of our analyzes bring you unique designs.

We Resist Difficulty

We will examine different trials with you until you reach the best result for the comfort areas in the project.

We Meet Your Expectations

We try to get you to the most accurate results by analyzing each parameter from the beginning of the study.



How We Work?

The comfort of pedestrians activities in usage areas depends on many factors such as prevailing wind directions, average wind speeds, topograph structure, surrounding buildings, pedestrian interaction in areas of use, landscape arrangements, the position of the sun, temperature trends and speed of shadows.

We consider all these factors in our analyses. In design, we use tools that show the effect of each parameter in real time. We visualize the analyses results in high resolution in an easy-to-understand manner. Our team, who has worked in many projects for many years, is your biggest solution partner with special presentations at every step of the project.

With our team of specialized meteorology and climate analysis, we provide you with a lot of wind-related data such as prevailing wind directions and average wind speeds for any location in the world.

How many days of the year can you offer comfortable sessions for your most important and largest leasable area? Can your architectural masterpiece, whose design you like, become worthless due to the wind? Will you be able to enjoy tea on the balcony of your apartment? When you want to host your guests at the poolside, do you have to assign an attendant so that not all umbrellas fly? Not experiencing these situations can now be checked with us for a structure with draft drawings at the idea stage and we can follow all the development together.