

When we breathe humid air in the forest, we do not think about the fact that the natural ecosystem is an excellent "machine" for water retention, oxygen production, dust filtering etc. Let's come back to our glass and concrete desert. There is a city where there used to be the forest and we cannot stop this process. If we gave the nature hundreds or thousands of years, it would regain this area in the way of natural succession, just like fields of congealed lava turn into the jungle. Landscape architects can speed up the process of succession or simply make it happen. They can "build in" a landscape into the city not in the form of parks or open areas, which still have not yet been developed. Let's look at places, where most of the area does not have access to soil. Let's look at the ceilings of underground car parks and roofs of buildings. Due to the availability of professional green roofs systems we can lay foundations for such ecosystems that will effectively protect the structure of such buildings for years (and it does not involve any digging nor changing the structure of facilities that have functioned without any defects for years; in Poland some developments are almost 20 years old). Professional and reliable drainages, which are a retention buffer, are needed. The evaporation capacity from a roof of over 100m² is 20 litres per day on simple extensive roofs and almost 1000 litres per day on climatic roofs which are designed to maximise evapotranspiration, due to which water comes back to the atmosphere rather than goes down into the sewage system. Green roof systems have to provide aerating of substrate to create natural soil conditions. The examples of our build-in landscapes, which fit into the strategy of adapting cities to climate changes are Agora and the Polish Embassy in Berlin (design phase) (arch. Jems Architekci) - the building with streaks of green, Business Garden Warszawa (arch. JSK Architekci) - where all rainwater remains in the area and is absorbed by the landscape, Topaz office buildings (arch. Jems Architekci) - the forest in pots, 19. Dzielnica residential complex (arch. Jems Architekci) - a grove in the courtyard of a residential area, Galeria Północna (arch. APA Wojciechowski) - multifunctional park on the rooftop.