

Shin-toyosu Brillia Running Stadium

The Brillia Running Stadium was conceived as the core facility in the Shin-Toyosu Area, which will be a sanctuary for running.

We had to construct the stadium in a short period of time, paying attention to environmental issues, which led us to adopt innovative building methods and materials.

For the shape of the timber frame, we adopted the jig-system, usually used in the furniture production while the roof was constituted with the two-layered ETFE film.

We printed dots on the film surface to reduce the solar radiation transmittance to about 35% and cool the running space with only ventilation. In winter we can add air into the ETFE tubes and make them bear snow.

First, the Brillia Running Stadium is a training center for top athletes with disabilities, aiming for Paralympians and has a prosthesis research and development laboratory. It is also a completely new type of facility where everyone, both disabled and able-bodied persons as well as children, can enjoy sports and art without separation.

The facility was realized not by the government's initiative but by the support of companies that understood and approved the project.

I believe the facility is the first step towards an ideal.