

Solar energy rome

"Our master plan experiments with collective city-making processes, new energy-sharing strategies, and inclusive urban transformations that go well beyond the temporal and spatial confines of the event."

Its solar farm would be made up of hundreds of square-shaped "energy trees", incorporated into the dedicated plots of each nation and engineered to open and close their panels throughout the day.

"The solar farm in Rome covers an area of 150,000 square meters and boasts a production capacity of 36 megawatt-peak, making it the largest urban, publicly accessible solar farm in the world," the studio claimed.

Rome's bid for the World Expo 2030 is divided into three districts, named the City, the Boulevard and the Park. Laid out from east to west, they would take visitors on a journey from an urban to a more natural environment.

Dotted between these districts will be five landmark pavilions, each dedicated to a different theme, as well as a series of existing buildings in the area, including Calatrava's Vela sports complex.

The masterplan is hoped to revitalise the Tor Vergata area, with the City district converted into an extension for the University of Tor Vergata and the pavilions transformed into an innovation district for Rome after the event.

Other cities bidding to host include Busan in South Korea, Riyadh in Saudi Arabia and Odesa in Ukraine. The host will be decided with a vote by the 170 members of Bureau International des Expositions (BIE) organisation in November.

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