

URBAN OASIS

Challenge

Mitigate the urban heat island effect

Solution

Urban Oasis is a simple and innovative solution to mitigate the urban heat island effect through a self-sustained solar pergola that provides electricity to create water mist.

Consortium

BIPV Israel (Israel), SIT Technologies (Italy)

Key Features

- An innovative solar-powered pergola (BIPV) that drives a water turbine mist system.
- The pergola provides shading, lighting, and electricity to drive the water turbine, along with an innovative design for the urban area.

Key Benefits

- Did you know that Urban Oasis reduces the ambient temperature by up to 6°C? It can also be customized to fit any design or space, making it a versatile and practical choice for any urban environment.
- Urban Oasis provides an eco-friendly and cost-effective way to reduce the urban heat island effect while enhancing the aesthetic value of any property.
- Reduce energy consumption and promote sustainability.



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