

Spinelli Pillar

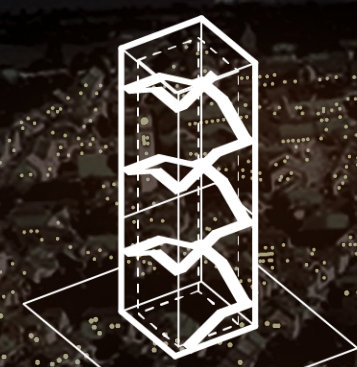
The Spinelli Pillar is a magnificent, energy-generating landmark anchored in the Green Corridor of Mannheim. The soaring obelisk is both a tribute to the past and a promise to the future.

Rising from the ground of the old Spinelli Barracks, the new pillar seeks to cement the memory of World War II hero Pfc. Dominic V. Spinelli. The tower is a memento of the selfless actions of one man's duty to save his endangered comrades - but also a reminder of the collective bravery and courage needed to overcome the dark days of our past. Those same principles - selflessness, bravery, and courage - are called upon again in today's climate war.

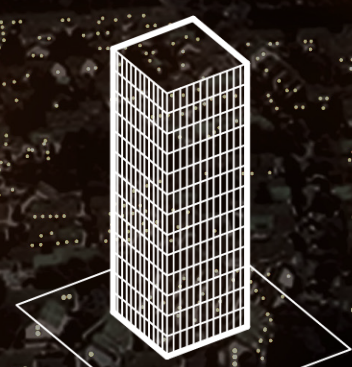
Beginning from a simple form - the design draws focus to its lattice-like facade - an inspiration from small garden trellises used to support plants. The facade is patterned with both PV panels and natural greenery, creating a monument that aids people toward a greener future.



Obelisk



Offset + Circulation



Lattice

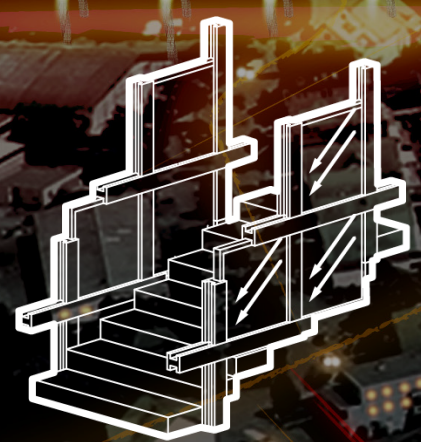


Green Guide

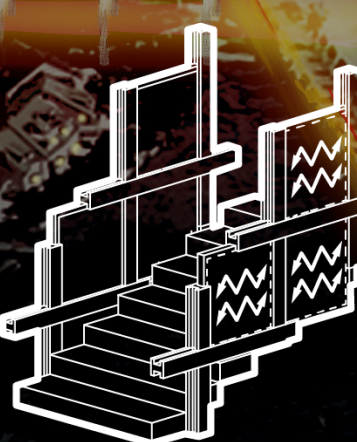


LSC Panelized

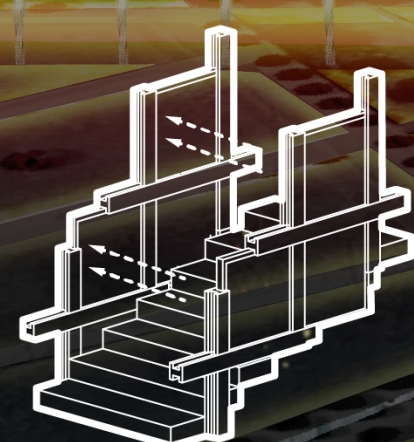
The facade features large luminescent solar concentrator (LSC) panels to generate electricity. By using the pillar's large scale and sizeable panels, solar energy is efficiently converted at high concentration factors - powering 375 households over a year. These panels also double as the colorful facade of the project, creating a vibrant and inviting structure for curious visitors.



Incident Light



Refraction to Edges
to Concentrate Power



Double Layer
Efficiency

Street Lamps
self sufficient -
residual energy
flows to grid

Pillar
generates
1,168 MWh
per Year

Power Grid
powers 375
houses per year

