

Dwelling Shift
Serving the City

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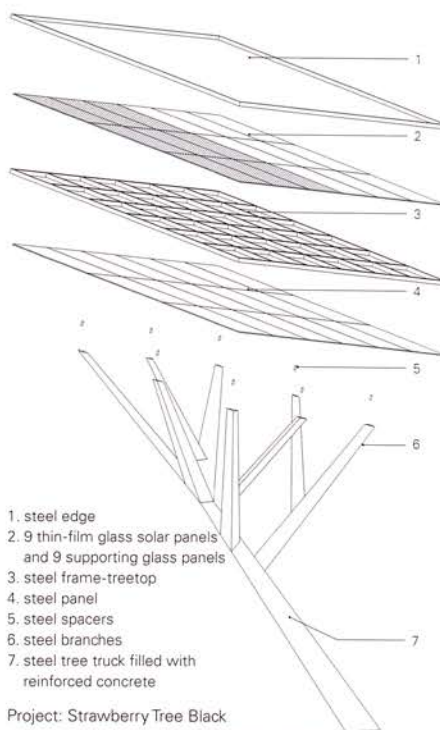
Black Strawberry Tree Solar Charger _ Miloš Milivojević

Serbian architect Miloš Milivojević developed completely new design for public solar charger for mobile devices invented by Strawberry Energy Company. This solar system enables visitors of Tašmajdan Park to recharge the batteries of their mobile phones, tablets and multimedia devices with the energy of sun.

The Strawberry Tree Black is conceived as an artificial tree which transforms solar energy into electricity, thereby joining the surrounding trees in a common struggle for the planet richer in oxygen. As real trees absorb CO₂ and release oxygen which makes our environment cleaner, the Strawberry Tree Black uses clean solar energy and produces no detrimental substances, and this way also contributes to global CO₂ emission reduction and makes Tašmajdan Park greener.

Strawberry Tree Black is user-friendly with the thin and artistic construction which makes it look like a sculpture. The large but elegant steel construction is more than three and a half meters long and four and half meters tall which follows the line of a real tree. The square surface at the top of the solar charger is covered with nine thin-film glass solar panels and nine supporting glass panels which simultaneously acts as a roof, protecting against bad weather conditions. This solar cell structure is held by the artificial treetop consisted of eight steel branches.

The wooden bench, long more than four meters, is positioned in front the Strawberry Tree Black and large enough to host a lot of people. Charging points on stretchy cords hang from the metal bar on the bench. All necessary technique for the functioning of the device is placed in a steel box hidden in a wooden bench. With its function, this Strawberry Tree Black acts as a constant reminder of the insufficiently exploited potential of the Sun's energy.



1. steel edge
2. 9 thin-film glass solar panels and 9 supporting glass panels
3. steel frame-treetop
4. steel panel
5. steel spacers
6. steel branches
7. steel tree truck filled with reinforced concrete

Project: Strawberry Tree Black
 Location: Tašmajdan Park, Belgrade, Serbia
 Architect: Miloš Milivojević
 Structural engineer: Milan Zlatanović
 Client: Strawberry Energy Company
 Completion: 2012.11

태양열 멀티미디어 기기 충전소

세르비아 베오그라드 타스마야단 공원에 태양에너지를 전기로 바꾸는 인공나무, 스트로베리 트리 블랙이 들어섰다. 스트로베리 에너지 회사의 의뢰로 설계된 설치물은 공원 방문자들이 휴대폰, 태블릿을 충전할 수 있는 멀티미디어 기기 충전소다.

실제로 나무가 이산화탄소를 흡수하고 산소를 배출해 공기를 맑게 하는 것처럼 이 충전소도 태양열을 이용해 이산화탄소 배출을 감소시키는데 일조한다.

인공나무는 철골 구조물임에도 예술 조각품 같은 모습이다. 높이는 4.5m로 공원에 있는 나무와 비슷하다. 태양열 패널은 9개의 보조 유리 패널과 얇은 필름의 유리 태양열 패널로 덮여 있고, 8개의 철제 가지가 이 태양전지를 든든히 받치고 있다. 인공나무 아래 놓인 4m가 넘는 나무 벤치는 기기가 충전되는 동안 머물 수 있는 쉼터가 된다.

충전 코드는 벤치 위 낮은 철봉에 설치되어 있으며, 미관상 기기 작동에 필요한 장치는 모두 철봉 안에 숨겨져 있다.

스트로베리 트리 블랙은 잠재된 태양에너지를 활용하는 훌륭한 사례가 될 것이다.