



CANOPEE

by Urban Canopee

Châlons-en-Champagne FR,
Picture taken 10 months from installation date



École des Ponts ParisTech,
Picture taken 12 months from installation date.

GREENING UP OUR CITIES AND COOLING THEM DOWN

Plants are the best natural air-conditioner. They foster biodiversity, enhance well-being, improve livability and the attractiveness of any urban landscape.



Assist in combatting
urban **Heat Islands**



Smart **Water**
management



Plug & Play
solutions

We are all Urban Canopers

Green up to cool down, a deep-rooted commitment

Increasingly long and intense heatwave episodes, worsening air pollution, loss of biodiversity, water resources becoming scarcer... the climate emergency is here. Our planet is in danger, as well as the 7 billion people who call cities home by 2050.

At URBAN CANOPEE, we are committed to cooler, more resilient and more environmentally sustainable cities.

Greening the city is becoming a hot topic. No wonder looking at the long list of associated benefits. Large-scale urban “reforestation” is the most effective strategy to improve wellbeing and livability, reduce heatwaves’ impact and foster local biodiversity. It is time to act!

However, the urban environment wasn’t designed to accommodate more nature. We offer solutions to green urban spaces differently, where planting directly in ground is not possible.

With our low carbon impact and water efficient Canopee range, we aim to cover the city’s landscape with a modular, reversible and light-weight green living canopy to combat the effect of climate change.

Our technology adapts to every urban context providing a rapid and easily implemented alternative to complement existing green spaces.



CANOPEE

Is a disruptive solution to cool cities down through plants' amazing properties, wherever trees cannot be planted. Autonomous and connected, Canopee does not require mains power or water connection. Installed within a day, it doesn't have any impact on underground services and remains easily relocatable.

THE STRUCTURE

Patent pending

- "Gridshell" structure made of composite rods, four time (x4) lighter than steel.
- Patented connection nodes ensuring modularity
- Relocatable and free standing
- Highly resistant to extreme weather conditions
- Maintenance free

PLANTS

- Climbing plants adapted to the structure's unique growth conditions and local climate.
- Personalized plant selection among pre-selected species
- Creates shade and evapotranspiration.
- On-going plants maintenance service available

CONNECTED POT

- Built in substrate pot and water tank
- Built in Sensopee Smart Irrigation System
- Real-time tracking of temperature, humidity, and water level (Sensopee app)

**Designed in France, Manufactured
and Assembled in Australia**



Chocolate vine
Akebia quinata



Chocolate vine 'Silver Bells'
Akebia quinata 'Silver Bells'



Clematis montana 'Mayleen'
Clematis montana 'Mayleen'



Clematis montana 'Grandiflora'
Clematis Montana 'Grandiflora'



Pipe vine
Aristolochia macrophyllia



Silver lace vine
Polygonum aubertii



Blue Passionflower
Passiflora caerulea



Sausage vine
Holboellia coriacea

CLIMBING PLANTS

are shortlisted by our team for their suitability to the urban context as well as their specific anchoring strategy. They become excellent natural air-conditioner cooling the surrounding area through shade and evapotranspiration. Not to mention the beauty of their flowers!

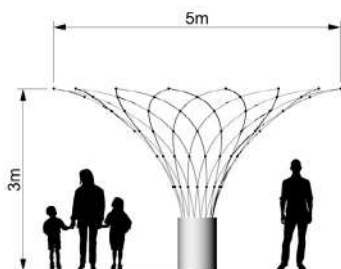
SENSOPEE

The Sensopee connected box makes plant growth conditions data and water tank level continuously available through IoT technology. Data collected can be visualized on a dedicated app for remote monitoring and water tank top ups (email automatically sent when low level is reached).

IRRIGATION

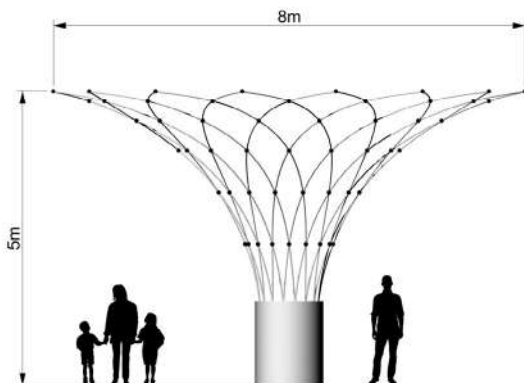
Watering happens automatically according to the plants very water needs (sensors, pump and drip irrigation for the high-tech Canopee or porous materials and capillary action for the mid-tech Canopee). Doing so, we preserve a natural resource becoming increasingly scarce: water.

PRODUCT RANGE



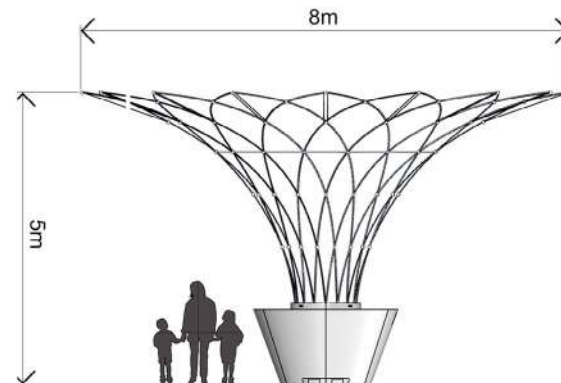
MINI CANOPEE

Shade : **20m²**
 Covering : **Barrel / Steel / Aluminum**
 Irrigation : **Mid Tech**



CANOPEE

Shade : **50m²**
 Covering : **Steel / Aluminum**
 Irrigation : **Mid Tech / High Tech**



CANOPEE OLYMPIA

Shade : **50m²**
 Outer pot : **Freestanding steel pot**
 Irrigation : **Mid Tech / High Tech**

Customize your Canopee



MISTING



BENCH



BAR-TABLE



LIGHTING



And tomorrow...
solutions for all
urban spaces



A SPACE, A PROJECT,
AN IDEA?

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