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A sustainable way to collect water from air. Just freeze your DEW, plant it and let it breed life!

DEW


Water harvester that slowly hydrates your plants by dripping condensed water.
An elegant way to collect water from air. Just freeze your DEW, plant it and let it breed life!

#RecycleNespresso

Consumer

Main characteristic:

Functional Innovative Unique Design Sustainable



Make meaning to customers

Observation:

Home gardening and environmental awareness have gain major relevance within our daily lives. Taking care of our plants consumes an important amount of drinkable water in most cases, and the task of watering them has been almost the same for ages, making this action unconscious and boring. Observing plant's leaves in the morning or a cold glass of water on a sunny afternoon we find that they start to produce plenty of water droplets over their external surface through condensation. How could we connect people with the way nature works to make this experience more sustainable and enjoyable?

Meaning

Conclusion:

There is the need for a solution that changes the interaction between people and their plants, through the use of alternative and more sustainable technologies, resources and practices for taking care of them. It should be a simple task but with high symbolic content, making the person aware that he is in fact fostering life with his actions. Second-life aluminum could help breed life!

Solution:

DEW is a water harvester leaf that makes use of Aluminum's heat transfer properties to condense water from the air on its surface and pours it into the soil to aid watering our indoor small plants. It recreates the action of planting as a symbolic reminder of the importance of your actions in taking care of the environment.


Design concept:

DEW consists of an aluminum body with ice gel inside, which is put inside the freezer so it lowers down its temperature and then it is taken out and "planted" in the soil of the plant. A funnel receives it and helps the leaf stand still. As DEW is colder than the ambient temperature, water in the air starts condensing on its surface and then it slides down and into the soil. Implementing biomimicry inspired in the Namib Beetle, it has little rigs on its surface that help collect the water and generate big drops that can finally irrigate the plant. By the use of a bold and beautiful design inspired on nature, you will have new sustainables and enhanced experiences with your plants!

Insights

Turning customer insights into solutions

Solutions



Solution

Dew is a water harvester leaf made of an aluminum body with ice gel inside that uses Aluminum's heat transfer properties to condense water from the air on its surface and pours it into the soil to aid watering our indoor small plants. Put it inside the freezer so it lowers down its temperature and then take it out. As it's colder than the ambient temperature, water in the air starts condensing on its surface and then slides down and into the soil.

Taking care of our plants consumes an important amount of drinkable water in most cases. By implementing biomimicry inspired in the Namib Beetle, it has little rigs on its surface that help collect the water and generate big drops that can finally irrigate the plant without needing any added amount of water, making DEW efficient and sustainable. Also by blending this natural technology with Second-life aluminum, an artificial material, it helps to breed life!



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What makes your product bold and innovative?

DEW simulates nature using natural technologies found in the Namib Beetle to generate water by condensation making it sustainable and cohesive with the second-life of the aluminum. With nature-inspired geometries it not only is more efficient but elegant and modern, in addition of changing the interaction between people and their plants nowadays enhancing the whole experience.



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Which target group is this product aimed at?

Young people who love to grow their own plants at home. Sustainability, care for the environment and alternative ways of doing things already play an important roll in their daily lives. They believe that there are natural ways of achieving every task, that's why they value solutions which propose more conscious ways of interacting with the world.



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Why is secondary aluminum the perfect material for your idea?

Secondary aluminum has heat transfer properties that help DEW be colder than its surroundings, achieving condensation. It also allows different processing methods that let DEW's design be bold, elegant and sinuous. Aluminum finishes are intrinsically stylish, taking this idea to a new level of sophistication that blends perfectly with natural environments. Being a recycled material makes it a sustainable experience from start to finish.



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There are more, you'll find them in the images.



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Creative's profile



Mauricio Carvajal PRO

Product Designer

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Creative's top 5 skills

Graphic Design, Illustration, Product Design

Collaborators



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