

Air_Tower

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Project Information (EN)

Positive presence

Industrial structures often carry a negative reputation; their functionality is usually polluting and harmful, and their appearance seems threatening to some. Carbyon's technology will introduce a new form of industrial structure into the landscape—one you'd actually want around you. With my design proposal, I wish to communicate Carbyon's technology through the structure's appearance and contextualise its image with a positive presence that is here to help. The tower's visual language is inspired by the familiar archetype of water towers, the large-scale structures you'd usually see on a hill near residential areas. This morphology aligns with the technical needs of Carbyon; a thin upward structure makes the carbon-capturing process per square meter more efficient while separating the "dirty" air entering from the sides of the tower and the cleaned air coming out from the top.

Communicating the inner process through visual characteristics

The system's technical elements and functionality are highlighted to communicate the emerging technology by exposing key components. The perforated patterns on the tower's facade indicate the air intake of each of the 50 direct air capture modules while portraying a sense of upward movement. The yellow elements convey the captured CO2 gas, and the tower's upward direction inspires a sense of openness as if it is reaching out to interact with the sky.

Image List

Filename	Caption	Credit
carbyom-tower-renderingbip9587_1728065209.jpg		

The images above are included in the ZIP under /images.