Optimal Light, Natural Air

→ In a Tijuana building, Guillot Arquitectos' light and air chamber improves the health and productivity of occupants by providing natural light and air.

The air light chamber developed by Guillot Arquitectos captures natural air from the base of a tubular element and redirects it to the building's various levels, **reducing the usage of heating, ventilation, and air conditioning** (HVAC) systems. Because the chamber is made of low-E glass and perforated sheet metal, it also allows natural light to permeate. This gives occupants a more natural setting. The chamber increases worker productivity and improves health, and also helps **reduce energy costs by** an average of **25%**.

Why a Sustainia100 solution?
By Mexican standards, the light and air chamber makes an unprecedented impact in energy efficiency and office comfort while still providing good design that, according to the company, stands out to locals as an inspirational glimpse into a more sustainable future.

ENVIRONMENTAL
The light and air chamber minimizes the use of HVAC and electrical systems, reducing the environmental footprint compared to an average building.

SOCIAL
The first of its kind in the region, the building has made an impact socially by being dubbed by locals as the "ecological building," which raised awareness of sustainability.

ECONOMIC
According to the architects, their solution reduces energy costs by an average of 25%.

Developed in Mexico

Deployed in Mexico

"AS PROBLEM SOLVERS, WE MUST ASPIRE TO DESIGN ELEMENTS THAT WILL MAKE A POSITIVE IMPACT ON OUR HEALTH AND NATURAL RESOURCES."

RAMON GUILLOT, ARCHITECT, LEED AP, GUILLOT ARQUITECTOS

Solution by Guillot Arquitectos, Basica, and SEICA