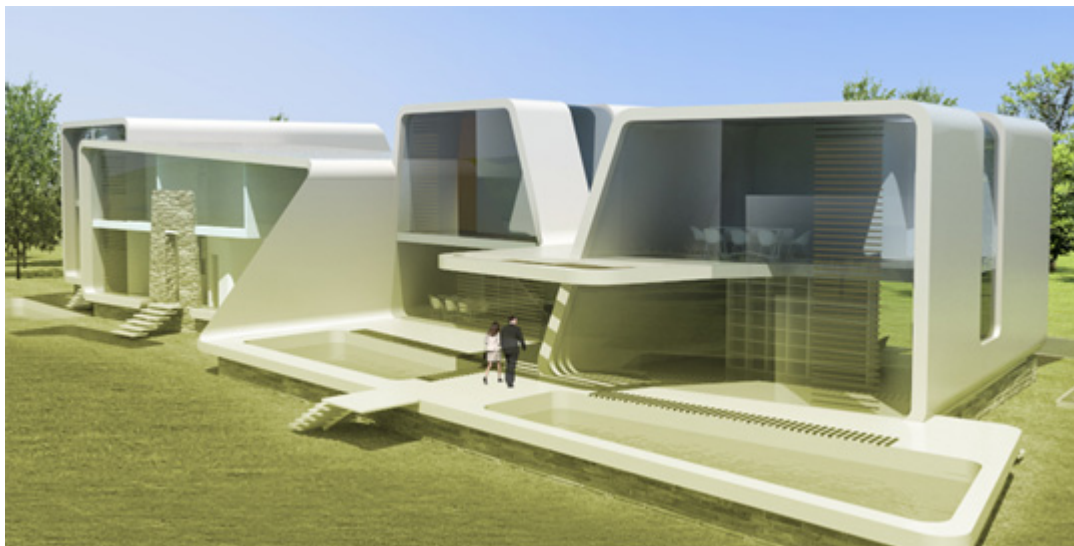


## Smog Eating Eco House in Cyprus

by [Mike Chino](#) May 1, 2008 <http://www.inhabitat.com/2008/05/01/iosa-ghini-cyprus-residence/>



This striking modern structure cuts a profile every bit as sleek as it is streamlined for efficiency. It is composed of four single family units joined by a flowing fusion of glass and [“smog-eating”](#) photo-catalytic concrete, creating a series of separate yet structurally connected spaces. Italian architects [Iosa Ghini Associati](#) designed the residence to integrate seamlessly into its sweeping Mediterranean landscape, and its airy day-lit interiors benefit from a slick set of green features including adjustable [solar panels](#), rainwater recycling, and a heat storage system.



Iosa Ghini says that “the project started with the aim of creating a new residential area alongside Pedieos River, near Nicosia, Cyprus. The makers wanted to realize four one-family luxury houses shaped in an [organic, fluid form](#). They designed the four units in a whole overall

organism hosting four units each one keeping its own morphological features. The building is full of green features that provide for clean energy and also save your bills.”

The residence fuses cutting-edge contemporary materials with traditional ones such as [locally harvested](#) stone. Its smooth structure is composed of photo-catalytic concrete, a material containing an active agent that reacts with light to break down air pollutants such as carbon monoxide, nitrogen oxide, and benzene. Low emissivity glass helps insulate the interior, while adjustable solar panels and a rainwater recycling system cut down on utilities. A heat storage system helps to regulate temperature when day turns to dusk. This stunning residence is currently cleared to be constructed by