



TWO
WORLDS
COLLIDE

PROJECT 3

CASA CHAMISERO
CHILE



This series looks at how five creative architects are combining the physical with the digital to design some of the world's most beautiful buildings

Architects: GITC Arquitectura

Summary: Chilean studio GITC takes projects from concept to construction, creating buildings that respond to the demands of the environment and the needs of the customer.

Website: www.gitc.cl



Project Location

Santiago, Chile



Casa Chamisero

Casa Chamisero, situated north of Santiago in Chile, is a compelling building. Defined by a piece of reinforced concrete, it dominates the valley it is built into through an impressive use of geometry that is both complex and efficient.

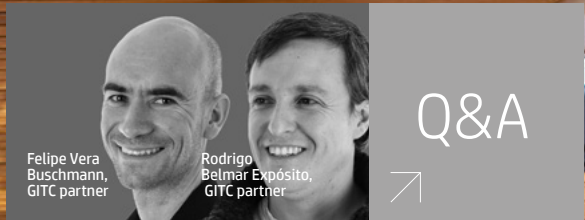
“With this project, we’re most proud of having managed to fulfill the client’s expectations and meet the execution deadlines,” said GITC Arquitectura Partners Felipe Vera Buschmann and Rodrigo Belmar Expósito.

The 750m² building serves as a family home, and features a piano nobile that contains the main access, parking, common areas, backyard and pool. There are also spaces for parties and family gatherings. The bedrooms are on the second level, while the basement contains a multi-use recreational area that includes a movie theatre and aquariums.



>> The design of the project benefitted from a successful combination of physical and digital processes.

Initial sketches were made by hand, with 3D modelling software SketchUp then used to develop those designs through many different variations.



Q&A

What makes this project special?

The client had quite particular requirements, including curved concrete walls, an elevator, and being illuminated from underground through the pool. And in addition to it being immersed in a valley with beautiful views and a good slope, it is a house with many special and unique corners.

How do you use paper in your design process, particularly when reviewing designs and sharing with clients?

Generally renders are taken from the model and shown to clients, along with virtual tours of the model itself and prints on planimetry paper to scratch.

Are there any ways in which you would like to be able to use new technology to make the design process easier?

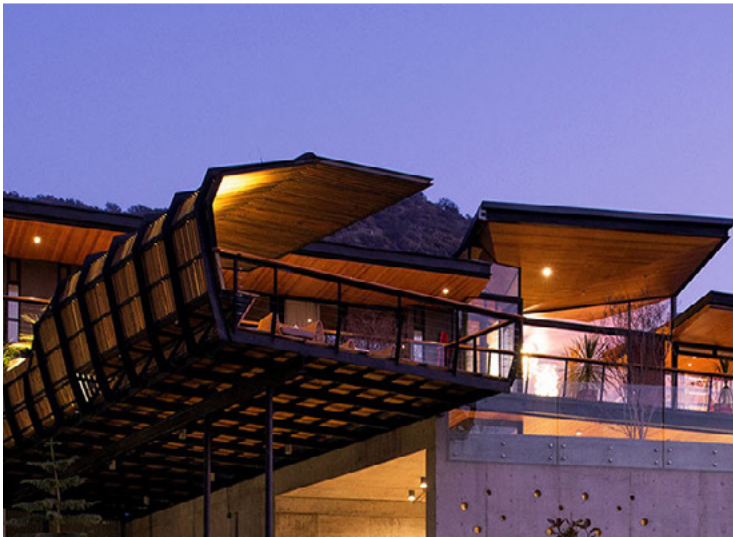
Yes. To be able to scratch on the screen with a special pencil. Or to print, scratch, scan, and have those modifications immediately transferred to the model.

>> Once the main proposals for the building were fully defined, the modelling was done using building information modelling (BIM) software.

But Buschmann and Expósito express a desire to make the blend between physical and digital even more harmonious.

“It would be interesting to be able to integrate both, with the understanding that currently they are separated by the possibilities that each of them delivers,” they said.

“[For example] it would be interesting to be able to draw in colors and have software that can then interpret the sketches, for instance by differentiating colors with depths. ■



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PROJECT 1

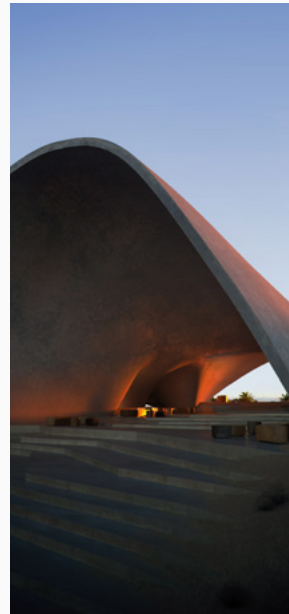
CARBON HOUSE



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PROJECT 2

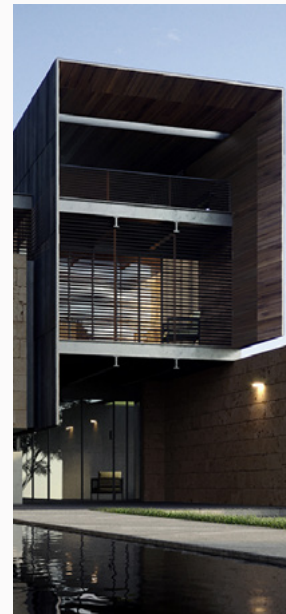
JORDANIAN GOLF CLUB



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PROJECT 4

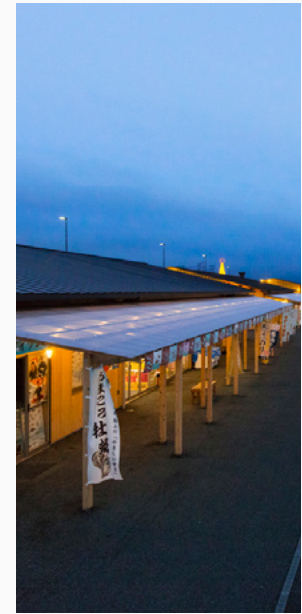
UKRAINIAN HOUSE



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PROJECT 5

JAPANESE SHOPPING VILLAGE



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