

Dear Reader,

We are happy to introduce you to the next edition of inSite showcasing our recently delivered project and latest news from the 3D Printing industry. It gives us pleasure to share with you the fact that iKix has stepped into the Middle East Market to add value to contemporary architecture and vastly spread out landscape.

Feedback from the readers will be much appreciated. We look forward to your valuable suggestions and remarks at info@ikix.in

Happy Reading

iKix recently completed projects

Chief Minister of Andhra Pradesh inaugurates the Amara Raja Growth Corridor aided by iKix 3D model.

Andhra Pradesh chief minister Chandrababu Naidu inaugurated the Amara Raja growth Corridor at Yadamari mandal of Chittoor district in the month of May.

iKix 3D Prints was approached by Amara Raja Infra to make a mock-up model of the entire factory with the landscape along with the contours of the surrounding area, for the inauguration. The whole iKix team worked meticulously to deliver the model in 8 days in perfect sync with the architect's perspective.

Incidentally, the memento that was presented to the Chief Minister was also made by iKix.



SNIPPETS FROM THE 3D PRINTING INDUSTRY

Architectural Modeling Firm Builds Scale Model of Stunning Abu Dhabi Edifice with 3D Printing

After building designs have been conceptualized and before ground is broken, real estate developers often transform their two-dimensional blueprints into three-dimensional scale models. For Toronto-based architectural modeling firm, Peter McCann Architectural Models Inc. (PMAMI), replicating some of the world's tallest and most notable buildings on a one hundredth scale prior to construction is all in a day's work. From balsa wood and knives to rapid prototyping, the tools used to create such intricate models have come a long way in the firm's thirty-year history. Can you imagine carving an Abu Dhabi edifice model eight feet in diameter out of balsa wood?

The Challenge

By nature, architectural modeling requires high-level craftsmanship and attention to detail. "Even for our skilled craftsmen and women, amorphic shapes always present the biggest challenge; they are the most difficult to model by hand to the level of precision our type of work demands," says Josh Coulas, manager for PMAMI.

Prior to using 3D Printer, the firm used CNC machines or created parts by hand. However, when chosen to construct the architectural model for Masdar Headquarters, the search began for a tool that would meet the project's standards, requirements and time constraints. A significant win for PMAMI.

Chicago-based Smith+Gill Architects hired the firm to create a large model of Masdar Headquarters, the world's first large-scale positive energy building that generates more energy than it consumes.

CUSTOMER VIEWS



Mr. Ravikumar K R,
Head-Architecture (Cluster IV), L&T Realty

A long standing customer of iKix 3D Prints, shares his views on 3D Printing in Architecture. Here are a few excerpts

The current trends in the infrastructure industry

Currently, the infrastructure sector is in a state of flux, with the sector being hit by slowdown in the economy and strain being faced by various infrastructure developers. Going ahead, the sector is poised to bounce back with new opportunities. But growth of the infrastructure sector is dependent on solving some key challenges related to reducing regulatory uncertainty, developing appropriate financing mechanisms and ensuring efficient project management.

Design communication impediments before procuring the 3D model

When the project design is in the conceptual stage, collaterals will help, but the customer needs to touch, feel experience before they decide on the purchase. Therefore, in spite of good brochures, high definition walk throughs, there is a need for a physical scaled model.

Differences between 3D prototype and conventional models

In case of conventional model, you don't get to see anything till the actual model is finished in all aspects. On the other hand, in 3D Print or prototype, you get to see the design at every stage of production and modify the design to suit the final requirement. Time is another important advantage in 3D Print. Using the latest software and hardware, you can print your model in no time. The impeccable quality finish you get is the added advantage. Unlike the conventional models, which are difficult to shift from one place to another, 3D Prints can be easily carried as it is printed as different modules and comes with customized packing.

Your vision for 3D Printing

For a project to be completed in a short time frame, and in the quest to reduce costs, 3D Printing technology has the potential to be used in real estate for sure and in other industries as well. Any area where there is a need for clarity, visualization can help to simplify and sort out issues that are being challenged today to a larger extent and can help the client achieve consistency in output. Therefore, this service can be extended not only for scaled models but also in other grey areas that require transparency.

At what phase of the project was iKix model useful

A 3D Printed model is useful in every stage of construction as well as marketing. We require 3D Printing technology to go ahead and create a scale model of the finished product, to present to the clients in the pre-spec phase or while making custom homes for prospective buyers.

Your experience with iKix and their working style

Overall experience with iKix during 3D Printing process was good and informative. It was very easy to share information, monitor the progress, convey the comments, etc., from remote location as the team & the process were technologically advanced.

