

iKix-Nurturing Progress, Delivering Value

Dear Reader,

We are pleased to present you this edition of "inSite", the Newsletter of iKix 3D Prints, focusing on our recently completed Projects of both in India and the Middle East, followed by snippets from the 3D Printing Industry and customer views.

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

Happy Reading!!!

OUR RECENT ACCOMPLISHMENTS

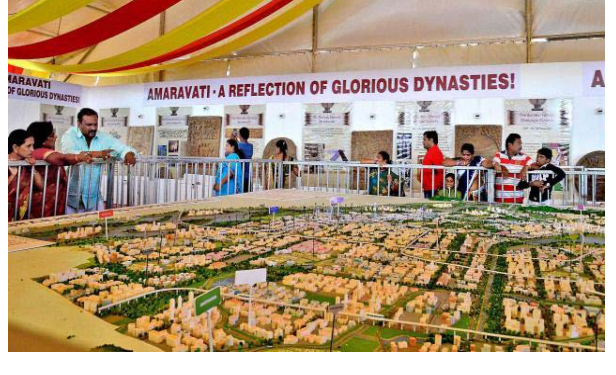
In India:

iKix is part of the prestigious Project Amaravati, Capital City of Andhra Pradesh

iKix took up the challenge of making the entire mock-up model of 'Amaravati', the planned futuristic city of Andhra Pradesh, the foundation stone of which was laid by Mr. Narendra Modi - the honorable Prime Minister, Mr. N. Chandra Babu Naidu - the Chief Minister of AP, Mr. K. Chandrasekhara Rao- the Chief Minister of Telangana, along with the industrial ministers of Japan and Singapore.

The model showcased buildings, roads, railway line, rail/road bridges, flyover bridges, metro network, important land marks like Assembly, Raj Bhavan, Secretariat, High Court, University, Parks and Green Fields, Water bodies, electrical networks and street lights. All important buildings within the capital city boundaries were also modeled in detail, including existing buildings. The whole Project was made painstakingly and with great enthusiasm by the entire iKix team within three weeks.

A team of designers and landscapists went all the way to Vijayawada to install the model at site. The model is on public display till Nov 9th for the common man to understand what the government plans to build.

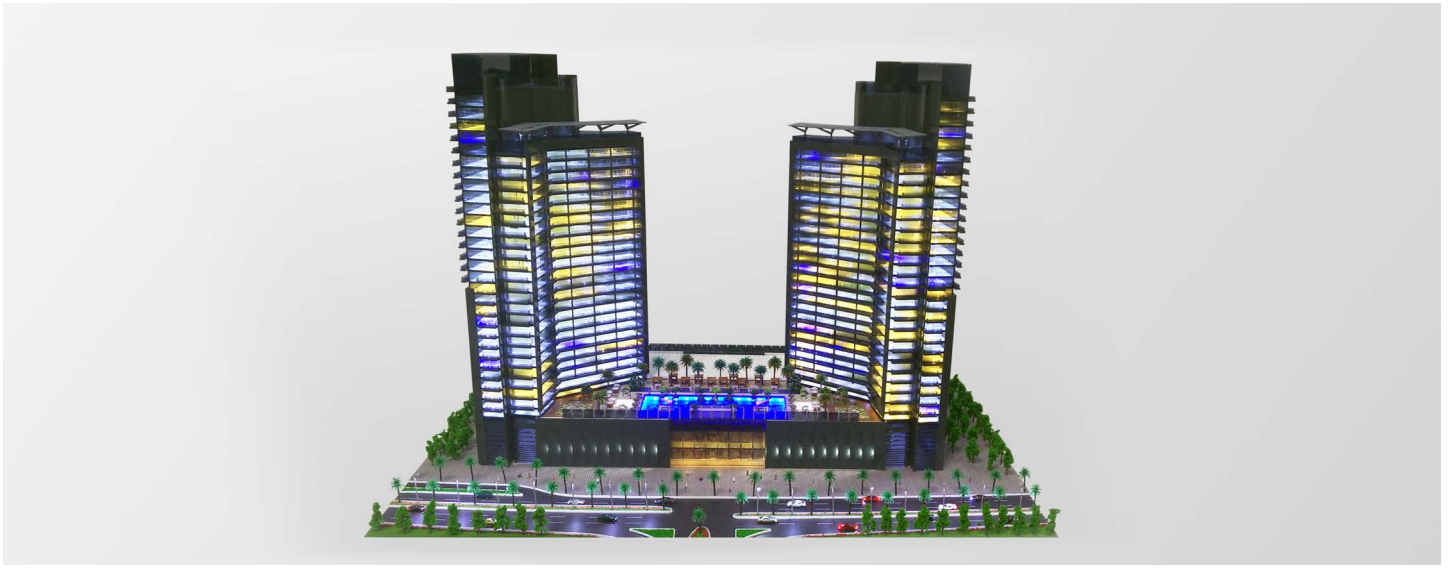


Tanmiyat Residential Development 3D Model

It gives us immense pleasure to proclaim that we have made the first model for Delta International Real Estate after foraying and expanding our operations in the Middle East.

Delta made this model to exhibit at City Scape Dubai held in September 2015.

Both the towers were 3D modeled along with the podium, the model base with the landscape layout and 3D internal lighting. The lit swimming pool was made with real like feel. The model was then packed in a special box for overseas travel for safe transportation. The model was then delivered and installed at Dubai.



SNIPPETS FROM THE 3D PRINTING INDUSTRY

3D Printing with plants to grow into any shape

Source: <http://3dprintingindustrynews.com/>

Yuichiro Takeuchi, a Tokyo based computer scientist at Sony has devised a software system to use for 3D printing with plants, to create gardens that can literally be placed anywhere from roofs of buildings, walls and even integrated into frames to create live murals.

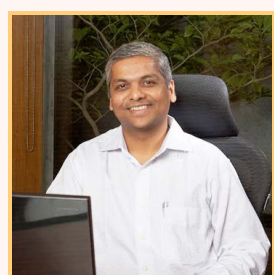
Traditional vertical gardens are ridiculously expensive to plant and maintain in dense urban environments, while Takeuchi's 3D printed offering is much cheaper and practical for people to conceive gardens in limited city areas. 3D printing will ultimately make hydroponic gardening more flexible for city dwellers.

The process entails printing a specific type of yarn that is infused with all the necessary nutrients plants needed to grow and flourish. Once this matrix material is created, it can then be printed in any design or shape imaginable to be matched exactly with the location where it is needed.

After the desired encasement shapes are crafted, tiny seeds are sprinkled on it via an attachment on the printer. These seeds are able to flourish thanks to the integrated hydroponics, which allows the plants to grow without soil, in a synthetic soil, rich with mineral nutrients.



CASE STUDY



Recently, we have made interior models of the 1BHK and 3BHK cross-sectional type for Doshi Housing for their ongoing Karapakkam Project, Risington. Here are the excerpts of the interview with

Mr. Mehul Doshi,
Managing Director of Doshi Housing

The current trends in the infrastructure industry

The real estate industry has been passing through a slowdown for the last couple of years. General sluggishness in the economy, job uncertainty, and high interest rates have led to the customers postponing their home buying decision. But we see the sentiment slowly improving. Companies have started reviving their investment plans, recruitments are up, commercial space absorption has increased, automobile demand has improved- basically the confidence levels have increased. And very importantly for our industry the interest rates have been cut quite significantly this year. We had a very good response for the launch of our new project Risington which indicates that the customers are coming back to the market.

Design communication impediments before procuring the 3D model

In our industry the product is mostly sold at a time when it is still under construction. It is very difficult for the customer to visualize the layout of the apartment on a 2D plan. We do make a model apartment at site. But at the most we may be able to make one or two types of model apartments. Making a 3D model helps us in showcasing several unit types to the customer. For the customer it is really useful in visualizing the apartment, getting a feel of the dimensions, ventilation, furniture layout etc which helps them in deciding which type to go in for.

Differences between 3D prototype and conventional models

The biggest advantage obviously is time. Conventional models have a long lead time while the turnaround time for 3D models is faster. Accuracy is another advantage. Chances of errors are very minimal as all the details are frozen before the printing is taken up.

Your vision for 3D Printing

The potential is enormous. At present in the real estate industry the usage is mainly limited to marketing purposes but with building designs getting more and more complex we see lot of potential for usage during design stage and in fine tuning the same.

As far as Future potential is concerned, we have seen a couple of cases of ACTUAL HOUSES and not scale models being constructed using 3D printing. The day is not far off when you can identify a piece of land, choose a design online, get it constructed using 3D printing and move in- all within a few days !

At what phase of the project was iKix model useful

We had made models of the different unit types available in our project, Risington, OMR, Chennai and used them during the sales launch of our project. It was very useful for the customer to understand the layout and helped them to take an informed and quicker decision.

Your experience with iKix and their working style

The iKix team was very professional in their working and kept up to their timeliness. Progress updates, queries, feedback were all done systematically.

